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### SBI Clerk Mains 2020 – Model Question Paper PDF (Set-1)

#### English Language

**Directions(1-5): Read the following passage carefully and answer the questions.(1mark)**

Today's food system produces millions of tiny miracles every day. Never before has food been so plentiful, hunger been so limited and choice been so broad. While many worry about how our planet will feed the growing human population, at the current rate of consumption, the world's food supply will be capable of doing just that until 2040. But if you stop to consider the undesirable outcomes from historical and current practices in the food system. An estimated 820 million people are still under-nourished while almost 2 billion adults are overweight or obese, creating a range of health problems governments and citizens can ill afford.

There is over-exploitation of land and water resources, excessive carbon emissions and an extensive loss of biodiversity. Increasing food prices and low self-sufficiency continue to \_\_\_(A)\_\_\_ food security, especially for low-income countries. And imbalanced development of different communities involved in the food system reinforces global inequality. Without action, these outcomes will only get worse.

While hunger is a way of life in many countries, reducing the surplus of calories in over-consuming countries can eliminate undernourishment and feed an additional 760 million people. Different foods have very different resource footprints and only if we do not optimise \_\_\_(B)\_\_\_ will we run out of resources. In most developed countries, reducing food consumption to guidelines on calorie intake would allow for healthy eating within current spending levels. Taking the US as

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an example, several foods such as grains, starches, beans, nuts and seeds can improve both environmental and nutritional health. Also, if Americans ate a diet in line with government guidelines, they would, by some estimates, use roughly 50% less land and emit about 50% less greenhouse gases from agriculture than they currently do. Consider that red meat, dairy and pork produce over 70% of agriculture's greenhouse gases while contributing just over 10% of calories.

1. With which of the following statements is the author most likely to agree?

1. The fear that we will run out of food in the coming years is justified.
2. The changes that occurred in the practices related to food systems led to undesirable outcomes too.
3. With time, our food choices have gone down.

- a) Only 2
- b) Only 2 and 3
- c) Only 1 and 2
- d) Only 1 and 3
- e) All 1,2 and 3

2. What are the problems that have been caused or reinforced by the current food systems?

1. Exploitation of resources and loss of biodiversity
2. Increase in carbon emissions
3. Global inequality

- a) Only 2
- b) Only 2 and 3
- c) Only 1 and 2
- d) Only 1 and 3

e) All 1,2 and 3

3. Why has the author cited the example of the US in the last paragraph of the passage?

- a) to highlight there is not enough food to feed everyone on Earth
- b) to highlight that we are going to run out of resources to produce food for the future
- c) to highlight that eating healthily costs more
- d) to highlight that environmental health and nutritional health are not at odds with each other
- e) None of the above

4. Which of the following words can fit the blank in (A)?

- a) safeguard
- b) abate
- c) threaten
- d) lessen
- e) None of the above

5. Which of the following words can fit the blank in (B)?

- a) pace
- b) relevance
- c) potential
- d) usage
- e) None of the above

**Directions (6 – 9): The following sentences form a paragraph. The second and fifth sentences of the paragraph are given. The rest are numbered as P, Q, R, S, and T. These five parts are not given in their proper order. Arrange them in the correct order to**

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make the paragraph meaningful and then answer the questions given below. (1mark)

- P. For more than two months, Hong Kong has been beset by protests.
2. With China's government now using rhetoric reminiscent of that which preceded the Tiananmen Square massacre in June 1989, Hong Kong's pro-democracy protesters – and, indeed, its democracy – could well be in grave danger.
- Q. Triggered by a proposed law to allow the extradition of criminal suspects to mainland China, the demonstrations have since developed into broader calls to safeguard – or, perhaps more accurately, restore – the semi-autonomous territory's democracy, including by strengthening state (especially police) accountability.
- R. To drive the point home, a promotional video showing Chinese military officers in action was released along with the statement.
5. As the unrest drags on, the Chinese government's patience is wearing thin – and its warnings are growing more ominous.
- S. The People's Liberation Army (PLA) garrison in Hong Kong is, in the words of its commander Chen Daoxiang, "determined to protect national sovereignty, security, stability, and the prosperity of Hong Kong."
- T. The crisis in Hong Kong appears to be careening toward a devastating climax.
6. Which of the following should be the FIRST sentence in the correct order?
- a) P  
b) Q  
c) R

- d) S  
e) T
7. Which of the following should be the THIRD sentence in the correct order?
- a) P  
b) Q  
c) R  
d) S  
e) T
8. Which of the following should be the SIXTH sentence in the correct order?
- a) P  
b) Q  
c) R  
d) S  
e) T
9. Which of the following should be the SEVENTH or last sentence in the correct order?
- a) P  
b) Q  
c) R  
d) S  
e) T

**Directions (10 – 11):** In each of the given questions, a word has been highlighted in the statement. In the options given below, a pair of words has been given. Find the pair of the word where the first word is the synonym of the highlighted word whereas the second

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word is the antonym of the given word as used in the passage. (1mark)

10. Pollution levels in Delhi peaked to a three-year high on Sunday, **prompting** hundreds of distraught people to take to social media to say they wanted to leave the city because of poor air quality

- a) Naught, Passable
- b) Scepter, Sleight
- c) Persuasion, Impede
- d) Wreath, Timidity
- e) None of these.

11. Data from the 2017 Global Financial Literacy Excellence Center study showed Lower savings and higher needs are **exacerbated** by the lack of financial savviness.

- a) Supplant, Transient
- b) Motif, Precipitous
- c) Extant, Impunity
- d) Aggravate, Ameliorate
- e) None of these.

**Directions (12 – 14): In the question below, three sentences are given, each divided into four parts, which may or may not contain grammatical errors. From the options, choose the one that provides the combination of the part(s) of each sentence that are incorrect. (1mark)**

12. 1. At the same time, the number (A)/ of people seeking private treatment (B)/ are growing, as they seek to (C)/ circumvent long hospital waiting lists. (D)

2. His only significant literary activity (A)/ in 1965 was the editing of the (B)/ three war novels into a single (C)/ volume, published as Sword of Honour. (D)

3. It is also possible that (A)/ volcanic activity on Mars (B)/ will occasionally melting subsurface ice, (C)/ creating large temporary lakes. (D)

- a) 1-A, 2-C, 3-C
- b) 1-C, 2-A, 3-C
- c) 1-D, 2-B
- d) 1-C, 3-C
- e) 1-A, 3-D

13. 1. In many developed areas, (A)/ human activity has change (B)/ the form of river channels, altering (C)/ magnitudes and frequencies of flooding. (D)

2. Ottoman officials informed (A)/ the German government that (B)/ the country needed time (C)/ to prepared for conflict. (D)

3. The government built railroads, (A)/ improved roads, and inaugurated (B)/ a land reform programme to prepare (C)/ the country for farther development. (D)

- a) 1-B, 2-D, 3-D
- b) 1-C, 2-B, 3-A
- c) 1-A, 2-B, 3-D
- d) 1-A, 2-D
- e) 1-A, 2-B, 3-C

14. 1. Patients are to be encouraged to (A)/ check if hospital staff have (B)/ washed there hands in a major drive (C)/ to tackle life-threatening superbugs. (D)

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2. Universities have been encouraged (A)/ to provide more practical (B)/ training and decrease the (C)/ emphasis on academic study. (D)

3. Often the mainstream media (A)/ has did more to mislead (B)/ than to inform the public on the (C)/ issues behind the protests. (D)

a) 1-C, 2-B

b) 1-C, 2-A

c) 1-C, 3-B

d) 1-A, 2-A

e) 1-D, 3-C

**Directions (15 – 19): Read the passage carefully and answer the questions based on the passage. (1mark)**

The crisis brewing within the Indian economy has gained unanimous acceptance by now. Even the latest annual report of the RBI for the fiscal year 2018-19 (or FY19) confirmed that the Indian economy has indeed hit a rough patch. The GDP growth rate of the economy has slipped to 5 per cent in the first quarter of FY20, the lowest in over six years. This is an indication of tougher times ahead. Be it the recent collapse of the automobile sector or the rising number of non-performing assets (NPAs), sluggish consumer demand or failing manufacturing sector; all have a hand in this deceleration of growth rate.

The **spurt** in instances of job losses from automobile manufacturers to biscuit makers has led to the general acceptance of the downturn. This is the third instance of an economic slowdown for India in the past decade after the ones that began in June 2008 and March 2011. The technical term for the same is growth recession. But since India is a large developing economy, contraction is a rarity. The last instance of negative growth for India was in 1979. A growth recession is more commonplace where the economy continues to grow but at a slower

pace than usual for a sustained period, what India has been facing nowadays.

The growth of the Indian economy had been predominated by consumption inclusive of both -- Private Final Consumption Expenditure (PFCE) as well as the Government Final Consumption Expenditure (GFCE). Over the last five years, the total consumption expenditure by Indian households had accelerated with an average growth rate of 7.8 per cent compared to an average of 6.1 per cent in 2011-14. But the recent sharp fall in PFCE in the June quarter to 3.1 per cent compared to 7.2 per cent in the March quarter has significantly contributed to the recent slowdown.

That being said, any fall in consumption expenditure, as and when it would happen, would escalate the crisis even more. If consumption spending falls, then output and employment levels also fall since consumption expenditure directly impacts the other two. As a consequence, the economy would stagnate, and prices deflate. Lower prices, if unable to recover the costs, would halt the operations of any firm and would initiate the layoff process. This, in turn, reduces earnings further. Hence this vicious cycle keeps on repeating itself until the economy slips into a deeper state of shock.

In addition, another major component of India's GDP is investment, induced by both -- private and government sectors. It has been a key driver of growth since the liberalisation of 1991. Though gross fixed capital formation (GFCF), the main constituent of investment in the economy, increased, yet its contribution to growth fell by 6.2 percentage points in 2014-19 than in 2011-14. The slackening of investment lowers the level of infrastructure development, causes hesitation in creating small businesses, stops entrepreneurs from investing in research and development, and thus stagnates technological development. Capital Investments are long-term gains that generate profitability for many years by improving operational efficiency and boosting innovation. It goes without saying that for holistic

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growth of the economy and to gain competitive edge over others, the economy must innovate.

15. As per the given passage 'Growth Recession' is defined as

- a) sudden degradation of GDP growth
- b) slower than usual pace of economic growth
- c) three consecutive quarters of contraction in GDP
- d) Both (a) and (b)
- e) None of these.

16. Which of the following statement is true in context of the given passage?

- a) compared to last 5 years, current slowdown is not the worst.
- b) rise in FDI inflows brought respite for the government
- c) Both (A) and (D)
- d) Lowering the prices will boost the consumption and can rectify the current situation.
- e) None of these.

17. Which of the following is opposite in meaning to the word 'SPURT' as used in the passage?

- a) squirt
- b) dwindle
- c) spout
- d) cascade
- e) None of these.

18. As per the passage which of the following factors has contributed to recent slowdown in the Indian economy?

- (i) plummeting consumption expenditure

- (ii) decline in the savings

- (iii) stagnation in economy

- (iv) unwitting government policies

- a) Only (i)
- b) Only (iv)
- c) Both (ii) and (iv)
- d) Both (i) and (iii)
- e) Both (iii) and (iv)

19. Which of the following best describe the tone of the author in the given passage?

- a) Empathetic
- b) Candid
- c) Evasive
- d) Imploring
- e) None of these.

**Directions (20 – 26): In the given passage, there are seven blanks which are alphabetized. For each blank, choose from the given options that has the correct combination of words which can both fit in the blank grammatically and contextually. (1mark)**

Japan's Hayabusa2 probe made a "perfect" (A) \_\_\_\_\_ on Thursday on a distant asteroid, collecting samples from beneath the surface in an unprecedented mission that could shed light on the origins of the solar system. "We've collected a part of the solar system's history," project manager Yuichi Tsuda said at a/an (B) \_\_\_\_\_ press conference hours after the successful landing was confirmed. Confirmation of the landing came only after Hayabusa2 lifted back up from the asteroid and resumed communications with the control room. Research director Takashi Kubota told

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reporters that the (C) \_\_\_\_\_ was "more than perfect." And Mr. Tsuda, with a grin, said he rated it "1000 points out of 100." The brief landing on Thursday is the second time Hayabusa2 has landed on the (D) \_\_\_\_\_ asteroid Ryugu, some 300 million kilometres from Earth. Ryugu, which means "Dragon Palace" in Japanese, refers to a castle at the bottom of the ocean in an ancient Japanese tale. The complex multi-year Hayabusa2 mission also (E) \_\_\_\_\_ sending rovers and robots down to the surface. Thursday's event was intended to collect pristine materials from beneath the surface of the asteroid that could provide (F) \_\_\_\_\_ into what the solar system was like at its birth, some 4.6 billion years ago. To get at those (G) \_\_\_\_\_ materials, in April an "impactor" was fired from Hayabusa2 towards Ryugu in a risky process that created a crater on the asteroid's surface and stirred up material that had not previously been exposed to the atmosphere.

20. A

- a) Speed - shot
- b) Touchdown - landing
- c) Increase - largesse
- d) Supply - remain
- e) Creation - incline

21. B

- a) Colourful - strong
- b) Native - support
- c) Victory - government
- d) Jubilant - overjoyed
- e) Collective - superior

22. C

- a) Successful - pleading
- b) Operation - manoeuvre
- c) Criticism - platitude
- d) Reasoning - exercise
- e) Article - suppression

23. D

- a) Desolate - uninhabited
- b) Deserted - quest
- c) Emotional - forsaken
- d) Barren - impression
- e) Rest - participant

24. E

- a) Impeded - spoiled
- b) Attracted - retracted
- c) Narrated - repented
- d) Involved - required
- e) Interested - provided

25. F

- a) Intrigue - intake
- b) Creation - rating
- c) Precision - informative
- d) Organisation - hierarchy
- e) Insights - awareness

26. G

- a) Questionable - actionable

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- b) Crucial - critical
- c) Realistic - ordained
- d) Useless - plain
- e) Recorded – submitted

**Directions (27 – 31) :** In the question given below, a set of six sentences is given, which when properly sequenced, form a coherent paragraph. Arrange the sentences in the correct sequence, and answer the questions. (1mark)

P. Cultural eutrophication has had dramatic consequences on freshwater resources, fisheries, and recreational bodies of water and is one of the **leading** causes of aquatic ecosystem degradation.

Q. Low oxygen levels can be further **exacerbated** by water blooms that often accompany nutrient loading of waters and may poison wildlife.

R. In the Black Sea and elsewhere, hypoxic waters from cultural eutrophication have resulted in massive fish kills, with rippling effects throughout the food chain and local economies.

S. Commonly, culturally eutrophic aquatic systems may exhibit extremely low oxygen concentrations in bottom waters, a condition known as hypoxia.

T. Cultural eutrophication occurs when human water pollution speeds up the aging process by introducing sewage, detergents, fertilizers, and other nutrient sources into the ecosystem.

27. Which of the following provides the correct final order of the statements?

- a) RSPQ
- b) RSQT
- c) RSTP

d) TSQP

e) TPSR

28. Which of the following is the central idea of the passage?

- a) Signs of hypoxic water bodies
- b) Pollution in the Black Sea
- c) The effects of cultural eutrophication on water bodies
- d) Kinds of water pollution
- e) The effects of water pollution on water bodies

29. Which of the following statements uses the word **leading** to convey the same meaning as that conveyed by P?

1. The company is developing a new car in partnership with **leading** auto manufacturers in Japan.
2. Multiple changes were made to the bill in the days **leading** up to the festival.
3. The Irish philosopher and theologian Johannes Scotus Eriugena was considered one of the **leading** intellectuals of the early Middle Ages.

- a) Only 1
- b) Only 1 and 2
- c) Only 1 and 3
- d) Only 2 and 3
- e) All 1, 2 and 3

30. Which of the following pairs of words is closest in meaning to the highlighted word in Q?

- a) exasperated
- b) elicited

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- c) annihilated
- d) worsened
- e) enhanced

31. Which of the following sentences do NOT belong to the main theme of the paragraph?

- a) P
- b) Q
- c) T
- d) R
- e) S

**Directions (32 – 36): Read the following passage and answer the following questions. Some words are highlighted to help you answer some of the questions. (1mark)**

A new India has risen from the ashes of old India. This new India is bold and forward-looking, an aspirational country soaring on the hopes and energy of 1.35 billion people. And as this new India rises, it leaves behind the corrupt, discredited practices that bedeviled old India. The stunning rise of new India baffles those left behind. In a recent article, “The fountainhead of India’s economic malaise”, former Prime Minister Dr. Manmohan Singh states that “The tearing of our social fabric of trust is the fountainhead of our current economic malaise.” In fact, the reality of new India is quite the opposite: the restoration of our social fabric of trust by Prime Minister Narendra Modi is the fountainhead of our current economic vitality. And while Dr. Singh writes about a climate of fear, he surely recognises that those living in fear are the wrongdoers who flourished during his time as Prime Minister.

Note that India is the fastest-growing large economy in the world — long-term trend GDP growth rate is steady at about 7%. Inflation, fiscal deficit, and current account

deficit have finally been tamed. Primary employment has grown from 433 million to 457 million in the past five years. India’s foreign exchange reserves are at record levels. The country has vaulted from 142 to 63 in the world in the Ease of Doing Business rankings; corporate tax rates have been slashed and are now among the lowest in the world; and India leads the world in new industries such as renewable energy, fintech, and affordable healthcare. The stock market is at a record high, doubling in the past five years, creating more than ₹50 trillion in investor wealth. Foreign Direct Investment is humming along at \$40-50 billion per year. Venture capital and private equity are booming, with investments running at thrice the rate during the United Progressive Alliance (UPA) years. Our start-up ecosystem is now the third largest in the world. India has been churning out unicorn companies: there are 20 unicorns right now, and another 30 are expected in the next few years.

India has been transformed politically and economically, but most importantly, the social fabric of trust has been restored. During the UPA years, society had lost trust in government and the rule of law. We began to doubt India’s future. Terrorists attacked the country again and again. Wide swathes of the country were controlled by Left-wing extremists and brigands. Shadowy, extra-constitutional figures ran India. The national government was in a shambles with each Ministry pursuing its own agenda. Government permissions were handed out in hotel lobbies and massive loans granted through phone calls. Crony capitalists feasted on government largesse and there was rampant corruption. Economic growth plummeted while inflation and the fiscal deficit mounted. With India on sale, the UPA years have been labelled the Billionaire Raj.

Prime Minister Modi’s government has restored the rule of law, trust in government has been rebuilt, and the country is moving forward with new-found confidence. Banks have been forced to come clean on their bad loans. Rickety business empires based on irresponsible lending

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are collapsing. Crony capitalists, unable to compete, are failing. Skeletons are tumbling out of the closet as investigations proceed, and the guilty are confronting jail sentences. Those who fled the country to avoid prosecution now face extradition. Note that all these investigations have been undertaken while following legal due process and are fully subject to judicial review. The Billionaire Raj has been dismantled and replaced by the People's Raj.

32. Which of the following statement(s) is/are not in line with the second paragraph of the given passage?

- a) India has seen an astonishing reduction in extreme poverty with the total number of such people declining rapidly.
- b) Though modern industrial sectors employ advanced technology, village industries still employ old and hackneyed methods even in the age of modern science and globalized world.
- c) The wide-ranging reforms initiated by current government have transformed the Indian economy and made it more globally competitive.
- d) all of the above
- e) None of these.

33. Which of the following is similar in meaning to 'BEDEVILLED' as used in the passage?

- a) Afflict
- b) Cabal
- c) Hummock
- d) Immure
- e) None of these.

34. Which of the following questions can be answered after reading the given passage?

a) Modi government has implemented various reforms in which areas?

b) There is considerable improvement in the area of primary employment. Why?

c) Both (B) and (D)

d) India has secured what rank in global startup ecosystems?

e) None of these.

35. Which of the following is opposite in meaning to 'TAMED' as used in the passage?

- a) Vanquish
- b) Mitigate
- c) Fierce
- d) Instigate
- e) None of these.

36. Which of the following can be inferred from the statement 'The tearing of our social fabric of trust is the fountainhead of our current economic malaise'?

- a) A nation's state of the economy is also a function and reflection of the state of its society.
- b) There is profound fear and distrust among people which adversely impacts economic transactions which in turn leads to a slowdown of economic activity.
- c) India's fragile economic situation calls for the twin policy actions of boosting demand through fiscal policy.
- d) Both (B) and (C)
- e) None of these.

**Directions (37 – 40): In the question given below, a sentence is given with three blanks. Choose the correct combination of words that fit in the**

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corresponding blanks and mark your answer accordingly. (1mark)

37. Global smartphone sales are on a downward \_\_\_\_\_, component suppliers are \_\_\_\_\_ out less product, and the iPhone faces arguably \_\_\_\_\_ pressure than ever from Samsung's top-end phones.

- a) Curve, pumping, greater
- b) Spiral, jerking, greatest
- c) Trend, distributing, mountable
- d) Course, manufacturing, mountainous
- e) Shift, carving, severest

38. Data and analytics are already \_\_\_\_\_ up multiple industries, and the effects will only become more \_\_\_\_\_ as adoption reaches critical mass - and as machines gain unprecedented capabilities to \_\_\_\_\_ problems and understand language.

- a) Helping, profound, negate
- b) Quivering, lasting, outsmart
- c) Summing, sophisticated, combat
- d) Conjuring, surprising, subdue
- e) Shaking, pronounced, solve

39. Organizations that can \_\_\_\_\_ these capabilities effectively will be able to create \_\_\_\_\_ value and differentiate themselves, while others will find themselves increasingly at a \_\_\_\_\_.

- a) Exploit, immense, mercy
- b) Pivot, outstanding, backfoot
- c) Harness, significant, disadvantage
- d) Resurrect, lasting, loss

e) Levitate, immeasurable, displeasure

40. The Competition Commission with a \_\_\_\_\_ to protect the consumer from industry \_\_\_\_\_ has been fully functional for eight years now and has \_\_\_\_\_ a good reputation for itself.

- a) goal, monsters, performed
- b) command, monopoly, priced
- c) mandate, cartelization, earned
- d) score, growth, reached
- e) gangsters, havoc, succeed

### Reasoning Ability

**Direction (41 – 45): Study the following information and answer the questions given below: (2mark)**

Input:

48 All 72 Salt 83 Nose 27 Sky 36 Watch

Step 1-

25 48 72 Salt 83 Nose Sky 36 Watch All

Step 2-

9 25 48 72 Salt 83 Sky Watch All Nose

Step 3-

16 9 25 72 Salt 83 Sky All Nose Watch

Step 4-

25 16 9 25 83 Sky All Nose Watch Salt

Step 5-

25 16 9 25 25 All Nose Watch Salt Sky

Step 5 is the last step of the rearrangement. As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input. Input for the questions

Input: 26 Ask 50 Car 71 Pen 45 Sun 31 Bike

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41. What is the 6th element from the left end in Step 5?

- a) 16
- b) Bike
- c) Ask
- d) 4
- e) Car

42. What is the difference between the 5th & 4th element in step 3?

- a) 16
- b) 18
- c) 19
- d) 20
- e) 21

43. Which is the last element in step 2?

- a) Sun
- b) Bike
- c) Ask
- d) Car
- e) Pen

44. If 'Pen' is replaced with 'Car', then what will be the element that is 7th to the left of 'Car' in step 4?

- a) 1
- b) 4
- c) 16
- d) 25
- e) 7

45. "1 4 16 71 50 Pen Sun Bike Ask Car"

the above output is of which Step?

- a) Step 1
- b) Step 2
- c) Step 3
- d) Step 4
- e) No such Step

**Directions (46 – 50): In the following questions, the symbols @, =, \$, % and & are used with the following meaning as illustrated below: (1mark)**

'X @ Y' means 'X is neither greater than nor equal to Y'.

'X = Y' means 'X is neither smaller than nor greater than Y'.

'X \$ Y' means 'X is not greater than Y'.

'X % Y' means 'X is greater than Y'.

'X & Y' means 'X is either greater than or equal to Y'.

Now in each of the following questions assuming the given statements to be True, find which of the conclusion/s given below them is/are definitely True?

46. Statements:

U \$ M, M & K, I % K, L @ U

Conclusions:

I. K \$ M

II. U % K

III. I @ L

a) All the conclusions are True.

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- b) Both Conclusions I and II are True.
- c) Only conclusion I is True.
- d) Both conclusion II and III are True.
- e) None of the conclusion is True.

47. Statements:

$J \% P, S \& J, A = S, K @ A$

Conclusions:

- I.  $A = S$
- II.  $P @ A$
- III.  $K \$ J$

- a) All the conclusions are True.
- b) Both Conclusions I and II are True.
- c) Only conclusion I is True.
- d) Both conclusion II and III are True.
- e) None of the conclusion is True.

48. Statements:

$P = T, M @ L, O \% K, M \& T$

Conclusions:

- I.  $O \% M$
- II.  $T @ L$
- III.  $K \$ O$

- a) Only Conclusion III is True.
- b) Both Conclusions I and II are True.
- c) Either Conclusion II or III is True.
- d) Only conclusion II is True.

- e) All I, II and III are True.

49. Statements:

$K \$ L, T @ K, U = T, V \% U$

Conclusions:

- I.  $L \% T$
- II.  $T @ V$
- III.  $K \$ V$

- a) Only Conclusion I is True.
- b) Both Conclusions I and II are True.
- c) Either Conclusion II or III is True.
- d) Neither Conclusion I nor III is True.
- e) Both Conclusions II and III are True.

50. Statements:

$I \$ W, B = A, I \& A, G \% W$

Conclusions:

- I.  $B = I$
- II.  $I \% B$
- III.  $G \$ W$

- a) Only Conclusion I is True.
- b) Both Conclusions I and II are True.
- c) Either Conclusion I or II is True.
- d) Neither Conclusion I nor III is True.
- e) Both Conclusions II and III are True.

**51. Study the information below and answer the following questions: (2mark)**

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X & Y – X is north of Y.

X @ Y – X is west of Y.

X \$ Y – X is south of Y.

X ^ Y – X is east of Y.

Point J is 5m\$ point I, which is 20m@ point H. Point A is 8m& point B, which is 5m^ point C. Point F is 2m@ point G, which is 11m\$ point H. Point D is 13m@ point E, which is 6m\$ point F. Point D is 4m\$ point C. What is the direction of point F with respect to point C?

- a) South east
- b) None of these
- c) South west
- d) North west
- e) North east

**52. Study the information below and answer the following questions: (2mark)**

A # B – A is west of B.

A @ B – A is east of B.

A % B – A is north of B.

A \* B – A is south of B.

Point U is 9m# point T, which is 4m% point S. Point P is 8m\* point Q, which is 7m# point R. What is the shortest distance between point U and point P, if point S is 2m@ point R?

- a) 13m
- b) 10m
- c) 14m
- d) 12m

e) None of these

**53. Directions: In the question below, a premise is given, followed by statements that may or may not strengthen/ weaken the assertion made in the premise. Read the question and answer it as per the individual direction mentioned. (1mark)**

The supply of coal has been steadily declining in India. It is one of the major components in steelmaking. This has forced the government to import coal from Australia, which has led to a significant increase in transportation costs, which has led to a considerable rise in the selling price of steel. This has led to a rise in the price of essential articles like utensils, etc. This has nudged people into spending less on things that are not considered essential like watches and decorative items made from steel. As a result there has been a decline in the price of such items.

Which of the following statements strengthen the argument that the sale of items that are considered non-essential will continue to decline in future?

- a) The housing sector has not recovered from the financial crisis of 2008.
- b) After the opening of a new port in one of the southern states, the transportation costs will be halved.
- c) The supply of coal from Australia will go down in the future because of the rise in its domestic demands.
- d) The youth are more likely to buy smartwatches than conventional watches
- e) None of the above

**54. Directions: In the question below is a passage followed by three courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. Considering the information given in the passage to**

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be true, decide which of the suggested courses of action logically follow(s) for pursuing. (2mark)

**Passage:** The government has announced a new department to be built in the campus of a college and the site selected for the same turns out to be a swamp. The college authority claims that it cannot provide any other land within the campus since it will affect the green cover and its reputation of maintaining eco-friendly infrastructure will be endangered. The government does not promote this reason and asks the college to provide a suitable land area for the new department.

**Courses of action:**

- I. The college authority should file a case against the government's enforcement.
  - II. The government should provide the land for the new department outside the campus.
  - III. The college authority should agree with the government's demands without objections.
- a) Only I follows.
  - b) Only II follows.
  - c) Both I and III follow.
  - d) All of them follow.
  - e) None of them follow.

**55. Directions:** In the question below are given a statement followed by three courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. Consider the information given in the statement to be true, decide which of the suggested courses of action logically follow(s) for pursuing. (1mark)

**Statement:** More than 200 cases have been filed by the public against a company selling noodles that turned out to be harmful for health causing severe damage to the stomach and intestine.

**Courses of action:**

- I. The public should be made aware about this fact and discouraged from buying the noodles.
  - II. The government should investigate and take strict actions against the company.
  - III. The production permit of the company should be terminated and the sale should be immediately stopped.
- a) Only I follows.
  - b) Only III follows.
  - c) Both I and II follow.
  - d) None of the above follow.
  - e) All of the above follow.

**56. Question:-** In the following questions, two statements numbered I and II are given. There may be cause and effect relationship between the two statements. These two statements may be the effect of the same cause or independent causes. These statements may be independent causes without having any relationship. Read both the statements in each question and mark your answer. (1mark)

**Statements:**

- I. A major accident happened in the middle of the road last night.
  - II. The entire road is blocked by police barricades and has resulted in a huge traffic jam.
- a) Statement I is the cause and Statement II is its effect
  - b) Statement II is the cause and statement I is its effect

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- c) Both statements I and II are independent causes
- d) Both statement I and II are the effects of some independent causes
- e) Both statement I and II are the effect of some common cause

**Directions (57 – 60): The question given below consists of two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read all the statements and give answer. (1mark)**

57. Six persons P, Q, R, S, T and U are sitting in a row facing north. Who among the following sits at the extreme left end?

I. U sits to the immediate left of P, who sits third to the right of Q. S sits to the immediate left of T, who is not adjacent to Q.

II. R sits third to the left of S, who sits adjacent to T. Q sits second to the left of U. P does not sit at any end.

- a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- b) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- c) The data either in statement I alone or in statement II alone are sufficient to answer the question
- d) The data given in both statements I and II together are not sufficient to answer the question
- e) The data in both statements I and II together are necessary to answer the question

58. There are six persons A, B, C, D, E and F are sitting on a circular table facing towards the centre. Who among the following sits to the immediate left of E?

I. D sits opposite to one, who sits to the immediate right of B. A sits second to the right of E, who is not adjacent to D.

II. C sits second to the left of E. A sits to the immediate right of F. D is not adjacent to E.

- a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question
- b) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question
- c) The data either in statement I alone or in statement II alone are sufficient to answer the question
- d) The data given in both statements I and II together are not sufficient to answer the question
- e) The data in both statements I and II together are necessary to answer the question

59. Six persons A, B, C, D, E and F live on each floor of a six-storey building. The bottommost floor is numbered as 1 while the topmost floor is numbered as 6. Who lives just above E's floor?

I. F lives two floors above C's floor. E lives on the bottommost floor. D lives just above A's floor.

II. A lives three floors above C's floor. B lives two floors above E's floor. E and A do not live on adjacent floors. There is at most one floor between D's and F's floor.

- a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question

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b) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question

c) The data either in statement I alone or in statement II alone are sufficient to answer the question

d) The data given in both statements I and II together are not sufficient to answer the question

e) The data in both statements I and II together are necessary to answer the question

60. There are six members namely, P, Q, R, S, T and U in the family of three generations. There is a couple in each generation. How is Q related to U?

I. P is father of T, who is mother-in-law of S. Q's and T's gender is same.

II. T is mother of R, who is wife of S. P has a daughter and P is not married to T. Q is wife of P.

a) The data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question

b) The data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question

c) The data either in statement I alone or in statement II alone are sufficient to answer the question

d) The data given in both statements I and II together are not sufficient to answer the question

e) The data in both statements I and II together are necessary to answer the question

**Directions (61 – 65): In each of the questions below are given some statements followed by some conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and**

**then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer(1mark)**

61. Statements:

Only a few Cow is Dog.

All Dog is Elephant

No Tiger is Cow.

Conclusions:

I. Some Tiger is Dog

II. No Dog is Tiger

III. All Cow being Dog is a possibility

a) Both I and III follows

b) Either I or II follows

c) Only II follows

d) None follows

e) Only I follows

62. Statements:

Only Academic is Technical.

Only a few Academic is Operation.

No Operation is Education.

Conclusions:

I. Some Technical being Operation is a possibility

II. All Education being Academic is a possibility

III. No Technical is Education

a) Both I and III follows

b) Either I or II follows

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c) Only II follows

d) None follows

e) Both II and III follows

63. Statements:

Only a few Copy is Register.

All Sketch is Register.

Only Copy is Pencil.

Conclusions:

I. Some Register being Pencil is a possibility

II. All Copy being Register is a possibility

III. Some Sketch is Copy.

a) Both I and III follows

b) Either I or II follows

c) Only II follows

d) None follows

e) Only I follows

64. Statements:

Some Sun is Moon

All Jupiter is Moon

Only a few Earth is Moon

Conclusions:

I. Some Sun being Earth is a possibility

II. All Moon being Earth is a possibility

III. All Earth being Moon is a possibility

a) Both I and III follows

b) Both I and II follows

c) Only II follows

d) None follows

e) Only I follows

65. Statements:

Only a few Almonds are Peanuts

Only a few Peanuts are Cream

No Cream is Dairy

Conclusions:

I. All Dairy can be peanuts

II. All Almond can be Peanuts

III. Some Peanuts is not Cream

a) Only I and II follows

b) Only II and III follows

c) All follows

d) None follows

e) Only I and III follows

**Directions (66 – 70): Study the following information carefully and answer the given questions. (1mark)**

Sixteen persons are sitting around two circular table as one is inscribed in another one. All of them are facing towards the center. Persons sitting at outer circle sit exactly behind the persons sitting at inner circle.

A,B,C,D,E,F,G,H are eight persons sitting around inner circular table.

P,Q,R,S,T,U,V,W are eight person sitting around outer circular table.

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A sits second to the right of E. P sits immediate right of T who sits behind C. V sits second to the left of the one who sits behind B. W sits behind the one who faces B. B is an immediate neighbor of E. F and G are immediate neighbours of each other. W and V are not sitting behind G. Two persons sit between R and T. S sits behind H who is an immediate neighbor of D. V does not sit behind D. F and G are not immediate neighbor of A. Q does not sit behind B.

Note- X sits behind Y means X (who sits at outer circle) sits exactly behind Y (who sits at inner circle).

66. How many persons are sitting between P and the one sitting behind E, when counting from left of P?

- a) None
- b) One
- c) Three
- d) Two
- e) Four

67. Who sits behind the one who faces F?

- a) P
- b) Q
- c) R
- d) U
- e) T

68. Four of the following five are alike in certain way and hence form a group, which of the following does not belong to the group?

- a) A-T
- b) E-U
- c) G-V

d) H-R

e) D-P

69. Which of the following is true regarding F?

- a) R sits behind F
- b) E faces F
- c) F is immediate neighbor of H
- d) P sits behind the one sitting second right of F
- e) None is true

70. If F is related to T, A is related to R, then in same manner B is related to whom?

- a) S
- b) P
- c) Q
- d) W
- e) U

**Directions (71 – 75): Answer the questions based on the information given below. (1mark)**

There are eight persons A, B, C, D, E, F, G and H belong to a family having three generations. The birthday of each member of the family fall on either 12<sup>th</sup> or 25<sup>th</sup> of the four months i.e. January, February, June and July of the same year(which is not a leap year). Only one birthday falls on one date. There are two couples in the family and only three members in the third generation. Also, there is no single parent in the family.

The birthday of A, who is the father-in-law of E, falls on 12<sup>th</sup> of the month, which has odd number of days.

Only three birthdays are between the birthdays of A and C, who is the sister-in-law of B, who does not have any sibling.

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Only one birthday is between the birthdays of C and F, who has birthday in the month, which has odd number of days.

G, whose birthday falls on 12<sup>th</sup> of the month, is daughter of B, who is a female member in the family. The birthday of G falls between the birthday of D and the birthday of G's brother (such that birthdays of all fall in consecutive order).

Number of birthdays after H, whose birthday is not in January, is one more than the birthdays before B, who is the daughter of D.

E is the father of three children and only one of them is female.

71. Who among the following is the daughter of E?

- a) H
- b) One whose birthday falls on 12<sup>th</sup> January
- c) F
- d) One whose birthday falls on 12<sup>th</sup> June
- e) None of these

72. How many birthdays fall between the birthday of F and G?

- a) Two
- b) Three
- c) Four
- d) Five
- e) None of these

73. Whose birthday is on July 25<sup>th</sup>?

- a) The one who is mother of G
- b) The one who is the grandfather of H

c) The one who is the father of F

d) The one who is the mother of B

e) None of these

74. Four of the following five are related to each other in some way and thus formed a group. Choose the one which does not belong to that group.

- a) The one whose birthday is on 12<sup>th</sup> January
- b) The one whose birthday is on 25<sup>th</sup> January
- c) The one whose birthday is on 25<sup>th</sup> June
- d) The one whose birthday is on 12<sup>th</sup> July
- e) The one whose birthday is on 25<sup>th</sup> July

75. How the person's birthday fall on February 25<sup>th</sup> related to E?

- a) Mother
- b) Mother-in-law
- c) Father
- d) Father-in-law
- e) Grand Mother

**Directions (76 – 80): Study the following information and answer the given questions. (1mark)**

Ten people are seated in two parallel rows, containing five people in each. People seated in row 1 are facing the South while people seated in row 2 are facing the North. People seated in row-1 and row-2 are facing each other. They have different hobbies.

The person, whose hobby is Singing, sits third to the right of the one, whose hobby is Reading Novels. C sits immediate left of E, whose hobby is Cooking. P, who faces North, sits third to the right of the one whose hobby is Dancing. B sits second to the right of the

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person, whose hobby is Watching TV. D, whose hobby is Knitting, faces South. S, who faces North, sits in the middle of the row. T sits third to the left of the one, whose hobby is Painting. Neither R nor P likes Martial Arts. Q, who faces North, sits second to the left of the one, whose hobby is doing Martial arts. The one who likes Football sits second to the right of the one whose hobby is Writing. A, whose hobby is Reading Novels, sits at an extreme end of the row facing South. R, who faces North, sits at an extreme end of the row.

76. Whose hobby is Singing?

- a) B
- b) T
- c) D
- d) R
- e) A

77. Who among the following faces the person whose hobby is Martial Arts?

- a) E
- b) C
- c) Q
- d) R
- e) None of the above

78. Four of the following are alike in a certain way and thus forms a group. Find the one that doesn't belong to that group.

- a) R
- b) Q
- c) A
- d) D

e) E

79. Whose hobby is Cooking?

- a) A
- b) D
- c) S
- d) E

e) None of the above

80. Martial Art is the hobby of \_\_\_\_\_.

- a) S
- b) T
- c) Q
- d) B

e) None of the above

**Directions : Study the following information and answer the given questions. (1mark)**

Seven persons - A, B, C, D, E, F and G are sitting in a linear row facing north. No two persons are of the same age and the age of all persons lies in the range 15-30.

Three persons sit between D and the one whose age was a perfect square, who sits at the extreme right end. B sits second to the left of C. One person sits between D and the one whose age is 21. The difference between the ages of A and the one who sits at the extreme right end is six. The number of persons who sit to the right of the one whose age is 21 is one more than the number of persons who sit to the left of A. B's age is equal to the average age of A and G. The number of persons sits between E and the one whose age is 19 is same as between C and the one whose age is 27. F's age was in multiple of three. Sum of the ages of C and F is the same as the sum of the ages of B and E. Not more than two persons sit between

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A and the one whose age is 21. The difference between the ages of F and G is more than five. The difference between the ages of A and B is three.

81. What is the age of C?

- a) 30
- b) 29
- c) 28
- d) 26
- e) 22

82. Sum of the ages of A and E is \_\_\_\_\_

- a) 50
- b) 48
- c) 46
- d) 43
- e) 40

83. Four of the following were in a certain group, which of the following that does not belong to that group?

- a) B
- b) F
- c) E
- d) A
- e) C

84. What is the difference between the ages of the one who sits at the extreme ends?

- a) More than 10
- b) 10
- c) 9

d) 8

e) 7

85. Which of the following combination(s) is/are false?

- a) Difference between the ages of C and D is one
- b) Two persons sit between B and F
- c) E sits second to the left of the one whose age is 28 years
- d) A and the one whose age is 15 are immediate neighbours
- e) Both (a) and (c)

**Directions (86 – 90): Read the following information carefully and answer the question that follow: (1mark)**

There are some boxes of different colours kept one above other. Each box contains a number of either a single or a double digit.

1. The sum of numbers of yellow and green is LCM of White and Blue box. Also, the number on the green box is greater than the number on the yellow box.
2. There are twice the boxes are above blue than there are below orange.
3. The box which is at top position contains number which is three more than thrice of the number of the box which is at bottom.
4. White box is exactly above the yellow box.
5. There are even number of boxes above and below yellow box but not more than four.
6. Three boxes are between Black and Orange and also between Green and Yellow.

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7. There are two perfect squares and one perfect cube in these boxes. None of them is even.

8. Blue, Black and White boxes contain, number that are in Arithmetic Sequence (In that order), total of which is 54.

9. The yellow box contains a number which is four more than twice of the number in orange box. The box which contains a number that is perfect cube is exactly in the middle.

86. What is the sum of numbers on all of the boxes?

- a) 79
- b) 88
- c) 89
- d) 108
- e) 109

87. Which box is at the bottom?

- a) Yellow
- b) Black
- c) Orange
- d) Green
- e) Cannot be determined

88. How many boxes are there which contains odd number?

- a) 3
- b) 4
- c) 5
- d) 7
- e) 6

89. How many boxes are there between Blue and Yellow coloured box?

- a) 6
- b) 2
- c) 5
- d) 1
- e) None

90. Which box is at the position second from top?

- a) White
- b) Blue
- c) Black
- d) Yellow
- e) Orange

### Quantitative Aptitude

**Directions (91 – 95): Find the wrong number which does not follow the pattern that other numbers follow in the following number series: (1mark)**

91. 132, 182, 272, 380, 552, 870

- a) 182
- b) 272
- c) 380
- d) 552
- e) 870

92. 112, 140, 190, 294, 502, 918

- a) 140
- b) 190

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c) 294

d) 918

e) 502

93. 180, 336, 468, 578, 668, 760

a) 180

b) 336

c) 578

d) 668

e) 760

94. 132, 186, 372, 558, 1116, 1674

a) 132

b) 186

c) 1674

d) 1116

e) 372

95. 185, 198, 172, 214, 159, 224

a) 198

b) 214

c) 159

d) 185

e) 224

96. A birthday party was organized, for which 150 people were invited, such that the average cost of food per person was Rs. 1840. But, due to the absence of some people at the party, the average cost of food per person increased by Rs. 160. How many of the invited people did not attend the party? **(1mark)**

a) 12

b) 22

c) 10

d) 20

e) None of these

97. Inside a square park there are two pools: one is circular and other is in the shape of equilateral triangle. If the side of square park, side of triangular pool and radius of circular pool is 40 m, 20 m and 14 m respectively, then what is the total cost of gardening that park if cost of gardening is Rs.15/m<sup>2</sup>? (Take  $\sqrt{3} = 1.72$ ) **(1mark)**

a) Rs.13460

b) Rs.10280

c) Rs.12180

d) Rs.14460

e) None of these

98. The ages of A and her cousin B are in the ratio 2:3 respectively. One year ago, the ages of A and B's sister, C was in the ratio 5:7 respectively. Six years ago, the ages of B and C were in the ratio 11:10 respectively. What is the difference in the ages between the oldest and the youngest person? **(1mark)**

a) 13 years

b) 10 years

c) 9 years

d) 12 years

e) 8 years

99. Abhishek and Bacchan entered into a partnership and Bacchan invested Rs 1400 more than Abhishek. The ratio of time periods of investments of Abhishek and

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Bacchan was 5:4. If Bacchan's share out of profit was  $57\frac{1}{7}\%$  of the profit, what was the investment of Abhishek? (1mark)

- a) Rs 1800
- b) Rs 700
- c) Rs 1400
- d) Rs 2100
- e) Rs 2800

100. The respective ratio of the cost price of items A and B is 3:5. If item A and B are marked by 20% and 40% above on cost price respectively and a discount of 10% and 25% is provided on the marked price of A and B respectively and the sum of their selling prices is Rs 1698, what is the sum of their cost prices?

- a) Rs 1500
- b) Rs 1600
- c) Rs 1800
- d) Rs 2000
- e) Rs 1400

**Direction (101-102).** In the question, two quantities I and II are given. You have to solve both the quantities to establish the correct relation between Quantity-I and Quantity-II and choose the correct option.(1mark)

Quantity I: Amit bought an article for Rs. 1200 and spent Rs. x on its repairing. Amit marked it 20% above its effective cost price and sold it to Aman after giving a discount of 25%. Aman sold this article to Bitti for Rs. 2070 and made a profit of 15%. Find the value of x.

Quantity II: A and B entered into a business investing Rs. (y + 150) and (y - 150) respectively and the ratio of time for which they made their investment is 3:2

respectively. If profit share of A out of total profit of Rs. 1408 is Rs. 960. Find the value of y.

- a) Quantity-I > Quantity-II
- b) Quantity-I < Quantity-II
- c) Quantity-I  $\leq$  Quantity-II
- d) Quantity-I = Quantity-II or No relation
- e) Quantity-I  $\geq$  Quantity-II

102.

Quantity I: In an election between two candidates, 25% of voters did not cast their vote and 10% of the votes cast were invalid. If the winner got 45% of votes out the total number of voters in the voter list and won by 360 votes then find the total number of voters in the voter list.

Quantity II: The ratio of number of males to number of females in a town is 16:15. If the number of males is increased by 25% and number of females is increased by 1000 then the ratio of number of male to number of female becomes 12:13. Find the total increase in the population of town.

- a) Quantity-I > Quantity-II
- b) Quantity-I < Quantity-II
- c) Quantity-I  $\leq$  Quantity-II
- d) Quantity-I = Quantity-II or No relation
- e) Quantity-I  $\geq$  Quantity-II

**Directions (103 – 105):** What approximate value will come in place of the question mark (?) in the following question?(Note: You are not expected to calculate the exact value.) (1mark)

103.  $12.06 \times 19.02 + 12.94 \times 14.87 + 152.09 = ?\%$  of 498.98

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- a) 65
- b) 115
- c) 215
- d) 325
- e) 535

104.  $177.05 = 25.06\%$  of  $3631.97 + 16.02\%$  of  $3750.08 - ?^3$

- a) 91
- b) 69
- c) 43
- d) 29
- e) 11

105.  $25.04 \times 22.03 + 383.92 \div ? + 23.78\%$  of  $1499.98 = 926.08$

- a) 92
- b) 42
- c) 24
- d) 104
- e) 136

**Directions (106 - 110): Answer the questions based on the information given below. (1mark)**

Five organizations publish books. Each organization has three departments: publishing, editing and design. The following table gives the difference between the number of employees in publishing and editing, the ratio of the number of employees in editing and design respectively and the percentage of employees in design out of total employees in each organization.

Organization	Publishing - Editing	Editing: Design	Percentage of employees in Design
V	2700	3:5	..
W	- 1080	..	40%
X	..	2:1	30%
Y	..	..	35%
Z	- 540	..	..

Total number of employees = number of employees in the publishing department + number of employees in the editing department + number of employees in Design department

106. If the percentage of employees in Design of Organization V is 25% and the total number of employees in Design of Organizations V and W together is 3180, then what is the respective ratio of the number of employees in Editing to that in Design of organization W?

- a) 5:4
- b) 8:7
- c) 5:2
- d) 15:14
- e) 25:21

107. The total number of employees in organization X is 1860. The average number of employees in the Publishing of Organizations X and Z is 498. If 37.5% of the employees in organization Z are working in Editing, then what percent of employees of organization Z are working in Design?

- a) 35%
- b) 40%
- c) 48%
- d) 25%

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e) 50%

108. The difference between the number of employees in Publishing and Editing of organization X is 1375. The difference between the number of employees in the Publishing of organizations X and Y is 25. If 40% of the employees of organization Y are in Editing, then what is the total number of employees in organization Y?

- a) 1200
- b) 1000
- c) 1250
- d) 1500
- e) Either (a) or (b)

109. The average number of employees in Publishing and Editing of organization Z is 1080. The respective ratio of the number of employees in Editing of organization V to that of organization Z is 4:9. What is the number of employees in organization V who are working in Design?

- a) 1200
- b) 600
- c) 1000
- d) 1400
- e) 1500

110. The total number of employees of Organization W is 6300. The average number of employees in Editing of organizations W and Y is 1815 and 25% of the employees of organization Y work in Publishing. What is the number of employees who work in Design in Organization Y?

- a) 420
- b) 1995

c) 1050

d) 1575

e) 980

**Directions (111 – 115): Answer the questions based on the information given below. (1mark)**

Four shopkeepers namely, Rajiv, Rajat, Rahul and Ratan sold different numbers of two types of notebooks i.e. tapebound and steno. The ratio of number of tapebound to number of steno notebooks sold by Rajiv is 8:5 respectively. Number of tapebound and steno notebooks sold by Rajat is 35% more and 40% more respectively than the same by Rajiv. Total number of notebooks sold by Rajat is 25% more than the same by Rahul, and the number of steno notebooks sold by him is 168 more than the number of tapebound notebooks sold by him. Number of tapebound and steno notebooks sold by Ratan is 150 more and 87 more than the same by Rahul, respectively. Total number of notebooks sold by Ratan is 1305.

111. What is the ratio of number of tapebound notebooks sold by Rajat to that by Rahul?

- a) 9:5
- b) 7:5
- c) 6:5
- d) 9:8
- e) None of these

112. What is the total number of notebooks sold by Rajiv?

- a) 1075
- b) 1105
- c) 845

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- d) 975
- e) None of these

113. Number of steno notebooks sold by Ratan is how much percent more/less than the same by Rajiv?

- a) 85%
- b) 88%
- c) 75%
- d) 80%
- e) None of these

114. What is the average of number of tapebound notebooks sold by Rajat and Ratan together?

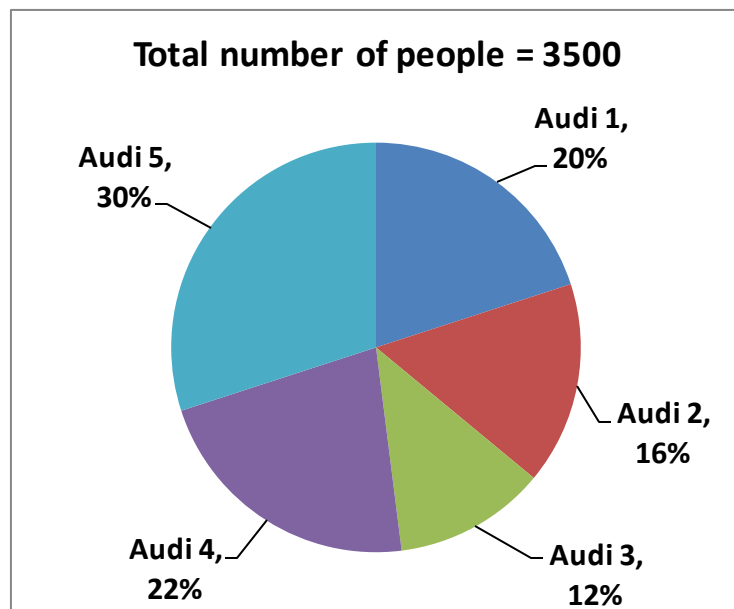
- a) 685
- b) 725
- c) 705
- d) 715
- e) None of these

115. What is the difference between number of tapebound notebooks sold by Rahul and number of steno notebooks sold by Rajat?

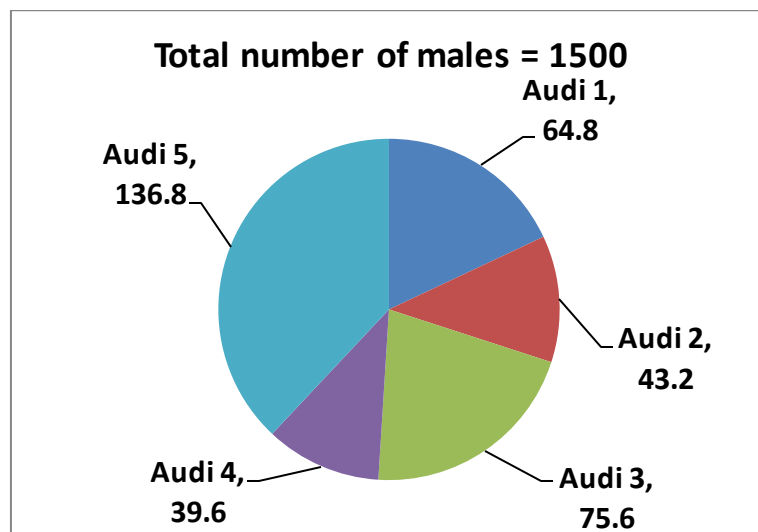
- a) 65
- b) 70
- c) 75
- d) 80
- e) None of these

**Directions (116 – 120): Study the following pie-charts carefully to answer the questions that follow: (1mark)**

Pie-chart 1 shows the percentage of people visiting to 5 different Audi of a cinema hall.



Pie-chart 2 shows the number of males (in degrees) visiting to 5 different Audi of same cinema hall



116. What is the total number of females visited to Audi 2 and Audi 1 together?

- a) 1050
- b) 810
- c) 1120

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d) 980

e) None of these

117. What is the ratio of the number of males visited to Audi 5 to the number of females visited in Audi 4?

a) 114 : 213

b) 23 : 36

c) 114 : 121

d) 53 : 65

e) None of these

118. The total number of males visited in Audi 4 and Audi 3 together is approximately what percent of total people in Audi 5 and Audi 1?

a) 35%

b) 49%

c) 45%

d) 27%

e) 40%

119. If 20% of the males visiting in Audi 4 decided to visit Audi 2 instead of Audi 4, then what will be the new number of people visiting Audi 2 altogether?

a) 593

b) 733

c) 453

d) 1003

e) None of these

120. The total number of females visited in Audi 5, Audi 4 and Audi 3 together is what per cent of total number of peoples in the cinema hall?

a) 25

b) 40

c) 60

d) 75

e) 34

121. A box contains 10 red, 8 green and some white balls. If two balls are taken out at random then the probability of getting exactly two white balls is  $\frac{7}{100}$ . Find the number of white balls in the bag.

a) 12

b) 9

c) 8

d) 7

e) 6

122. A 500 ml mixture contains milk and water in the ratio of 13:x, respectively. If 20% of the mixture is taken out and 32 ml of milk and 18 ml of water is added into the resultant mixture then the ratio of milk and water changes to 8:7 respectively. Find the quantity of water in the mixture initially. **(1mark)**

a) 360 ml

b) 180 ml

c) 260 ml

d) 240 ml

e) None of these

123. A boat covers 64 km upstream and same distance downstream in 5 hours 20 minutes with its usual speed. If speed of boat increased by 4 times and speed of stream becomes thrice then new upstream speed is 600% more than the usual upstream speed. Find the time taken by

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boat to cover 456 km in downstream with usual speed.

(1mark)

- a) 9 hours
- b) 9.5 hours
- c) 8 hours
- d) 7.5 hours
- e) None of these

124. A student finds the average of five two digits numbers. If one of the numbers is reversed and the average is taken again then the average is increased by 7.2. If all five digit numbers are consecutive multiples of twelve, then find the number which is reversed?

- a) 36
- b) 84
- c) 48
- d) 96
- e) None of these

125. Present average age of Aman and Raman is  $(X/2)$  years. Raman is 'Y' years elder than Aman. Which of the following options is correct according to the given information? (1mark)

- A. Present age of Aman is  $(X - Y)/2$ .
  - B. Present age of Raman is  $(X + Y)/2$ .
  - C. Product of present age of Aman and Raman is  $0.25 \times (X^2 - Y^2)$
- a) Only A
  - b) Only B
  - c) Only A and B
  - d) Only B and C

e) All A, B and C

**Directions (126 – 130): the following questions are accompanied by three statements (I), (II), and (III). You have to determine which statements(s) is/are sufficient/necessary to answer the questions. (1mark)**

126. Find Virat's income?

- I. Virat's income is 30% less than his wife, whose provident fund deduction at the rate of 5% is Rs. 975 per month.
- II. Rohit spends 30% of his income on house rent, 15% of which is accessory bill and Virat's expenditure on house rent is Rs. 4500 more than that of Rohit's.
- III. Dhoni's income is 10% more than Rohit's income.

- a) Only I
- b) Only II
- c) Only III
- d) Only I and II
- e) Only II and III

127. Two trains A and B are travelling towards each other on the same track. The initial distance between them is 91 km. Find the time, when the two trains will collide.

- I: The speed of train A is 65 km/h and the speed of B is 104 km/h more than that of train A.
- II: The ratio of speeds of the two trains is 5: 13.
- III. Faster train can travel 312 km in 3 hr.

- a) Only I
- b) Only II
- c) Only III

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d) Only I and II

e) Only II and III

128. Find the amount of money invested by Jamnalal in the scheme?

I. An increase in simple interest from  $44\frac{1}{3}\%$  to  $58\frac{1}{3}\%$  per annum increases his yearly income by 2800.

II. The sum invested get doubled, when invested at 20% per annum for 5 years.

III. Amount on sum is twice in 5 years.

a) Only I

b) Only II

c) Only III

d) Only I and II

e) Only II and III

129. Pipe A and B can fill a tank at the rate of 12 and 10 litre per minute respectively. What is the capacity of the tank?

I. Pipe C can empty tank in 5 hours.

II. If A and B are opened simultaneously, the tank is filled in 5 hours 45 minutes and a leakage hole drains the pipe at the rate of 6 litres/minute.

III. If A and B are opened simultaneously, the tank is filled in 5 hours 45 minutes and due to a leakage, the filled tank drains in 15 hours 20 minutes.

a) Only I

b) Only II

c) Only III

d) Only I and II

e) Either II or III

130. Two partners, P and Q entered in a business, what profit will Q get at the end of 2 years?

I. Q joined the business with an amount of Rs. 875000

II. P and Q started the business by investing in the ratio 4 : 7 and After 2 years, P's share is Rs. 95000.

III. P joined the business with an amount of Rs. 500000

a) Only I

b) Only II

c) Only III

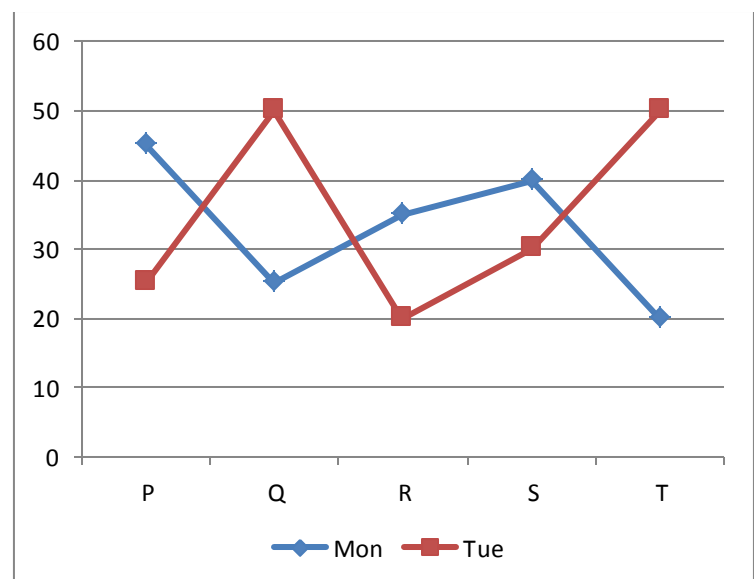
d) Only I and II

e) Only II and III

**Directions (131 – 135): Read the data given below carefully and answer the following questions. (1mark)**

Line graph given below shows the number of bikes sold by five different stores P, Q, R, S and T on two different days Mon and Tue.

Note: All the values are multiple of 5.



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Table given below shows the percent of Black colour bikes sold out of total (Black + Red) colour bikes sold.

Days/Stores	Mon	Tue
P	60%	52%
Q	72%	46%
R	40%	75%
S	55%	40%
T	35%	36%

131. What is the difference between total Black colour bikes sold by store P and Q together on Mon and total Red colour bikes sold by those two stores together on Tue?

- a) 8
- b) 12
- c) 9
- d) 6
- e) None of these

132. Total Black colour bikes sold by store Q on both the days together is what per cent of Red colour bikes sold by S and T together on Tue?

- a) 76%
- b) 82%
- c) 78%
- d) 72%
- e) None of these

133. What is the ratio of total Red colour bikes sold by stores R, S and T together on Mon to the total Red colour bikes sold by Q and R together on Tue?

- a) 13: 8
- b) 12: 5
- c) 19: 6
- d) 21: 8
- e) None of these

134. What is the difference between average number of black colour bikes sold on Mon and average number of black colour bikes sold on Tue by all the five stores together?

- a) 2.6
- b) 1.4
- c) 3.2
- d) 4.5
- e) None of these

135. What is the difference between total number of Red colour bikes sold on Mon and total number of Red colour bikes sold on Tue by all the five stores together?

- a) 17
- b) 23
- c) 13
- d) 19
- e) None of these

**Directions (136 – 140): Read the given information carefully and answer the following questions. (1mark)**

The given table shows the information about five different toys. These toys are of different shapes and have different dimensions.

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Shape of toys	Volume(cm <sup>3</sup> )	C.S.A(cm <sup>2</sup> )
Spherical	----	----
Cylindrical	4752	----
Conical	----	3080
Cubical	----	1764
Hemispherical	----	----

136. CSA of spherical toy is  $49\pi$  cm<sup>2</sup> more than the CSA of hemispherical toy. Find difference between total surface areas of these two toys if radius of spherical toy is 50% of side of cubical toy?

- a)  $70\pi$  cm<sup>2</sup>
- b)  $140\pi$  cm<sup>2</sup>
- c)  $119\pi$  cm<sup>2</sup>
- d)  $98\pi$  cm<sup>2</sup>
- e)  $147\pi$  cm<sup>2</sup>

137. Cylindrical toy and cubical toy are melted together. If  $2\frac{2}{49}$ % of volume of the given cubical toy is wasted from the molten volume and remaining molten volume is re-casted into a new cubical toy then find the total surface area of new cubical toy?

- a) 3240 cm<sup>2</sup>
- b) 3672 cm<sup>2</sup>
- c) 3456 cm<sup>2</sup>
- d) 3336 cm<sup>2</sup>
- e) 3576 cm<sup>2</sup>

138. Find the difference between volume of cubical toy and volume of hemispherical toy if radius of

hemispherical toy is equal to the height of cylindrical toy which is 87.5% of radius of cylindrical toy?

- a) 6570.5 cm<sup>3</sup>
- b) 6896.5 cm<sup>3</sup>
- c) 6745.5 cm<sup>3</sup>
- d) 6835.5 cm<sup>3</sup>
- e) 6805.5 cm<sup>3</sup>

139. Both cylindrical toy and conical toy are melted together and after removing  $x$  cm<sup>3</sup> from the molten liquid, remaining molten liquid is used to form 8 small hemispherical toys of radius 10.5 cm. Find value of 'x' if radius and height of conical toy are in the ratio of 4 : 3.

- a) 2570 cm<sup>3</sup>
- b) 2596 cm<sup>3</sup>
- c) 2550 cm<sup>3</sup>
- d) 2410 cm<sup>3</sup>
- e) 2690 cm<sup>3</sup>

140. If CSA of spherical toy is 2464 cm<sup>2</sup> more than CSA of conical toy, then find the difference between volume of cubical toy and volume of a new spherical toy whose radius is 50% of radius of given spherical toy?

- a) 4270 cm<sup>3</sup>
- b) 4340 cm<sup>3</sup>
- c) 4550 cm<sup>3</sup>
- d) 4410 cm<sup>3</sup>
- e) 4690 cm<sup>3</sup>

**General Awareness (1mark)**

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141. Where will Indian Olympic Association (IOA) withdraws boycott call for 2022 Commonwealth Games. 2022 Commonwealth Games take place?

- a) Victoria
- b) Kuala Lumpur
- c) Birmingham
- d) Perth
- e) Rome

142. Which State Road Transport Corporation has recently launched women's special helpline Damini?

- a) Uttar Pradesh
- b) Delhi
- c) Maharashtra
- d) Tamil Nadu
- e) Madhya Pradesh

143. Axis Bank and ICICI Bank will close their operations in which of the following country?

- a) Singapore
- b) Indonesia
- c) Bhutan
- d) Pakistan
- e) Srilanka

144. According to Eurasia's annual 'Top 10 Risks', India has been declared as the \_\_\_\_\_ biggest Geopolitical Risk of 2020?

- a) 3<sup>rd</sup>
- b) 5<sup>th</sup>

c) 7<sup>th</sup>

d) 2<sup>nd</sup>

e) 6<sup>th</sup>

145. RBI amends KYC norms, allows banks to use V-CIP. V in V-CIP stands for \_\_\_\_\_.

- a) Video
- b) Virtual
- c) Valid
- d) Visual
- e) Voice

146. Which state accounted for the maximum number of economic offences in 2018 as per the National Crime Record Bureau's (NCRB) report ?

- a) Rajasthan
- b) Uttarakhand
- c) Punjab
- d) Uttar Pradesh
- e) Odisha

147. Who received the 1st Muppavarapu Venkaiah Naidu National Award for Excellence?

- a) MS Swaminathan
- b) Vergese Kurien
- c) Abdul Kalam
- d) Mohammed Rafiq
- e) None

148. Which country becomes 54<sup>th</sup> member of the Commonwealth family?

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- a) Australia
- b) Canada
- c) London
- d) South Africa
- e) Maldives

149. Which state bags first position for the implementation of PMMVY?

- a) Maharashtra
- b) Tripura
- c) Uttar Pradesh
- d) Madhya Pradesh
- e) Himachal Pradesh

150. What is the name of the world's 1<sup>st</sup> Deaf person to row Atlantic Ocean?

- a) Chris Martin
- b) Mad Brien
- c) Mo O' Brien
- d) Ho O' Brien
- e) Haris Martin

151. What does the first 'C' stands for in 'FCCB'?

- a) Convertible
- b) Currency
- c) Current
- d) Concurrent
- e) Code

152. Which is the Winter Capital of Himachal Pradesh?

- a) Manali

- b) Shimla
- c) Mandi
- d) Dharamshala
- e) None

153. Where was the first supercomputer installed in India?

- a) IIT-BHU
- b) IISER-Pune
- c) IIT-Kharagpur
- d) IISc-Pune
- e) IISc- Bangalore

154. Who is the President of the International Olympic Committee (IOC)?

- a) Jacques Rogge
- b) Thomas Bach
- c) Juan Antonio Samaranch
- d) Olaf Breidbach
- e) None of the above

155. Which Indian institute secured the third rank in the global list of Top Business Schools of 2020 by MOOCLab?

- a) Indian Institute of Management, Kolkatta
- b) Indian Institute of Technology, Madras
- c) Indian Institute of Management, Ahmedabad
- d) Indian Institute of Science, Bangalore
- e) Indian Institute of Management, Bangalore

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156. Which system are card swiping machines through which banks can remotely connect to their core banking system?

- a) PoS Terminals
- b) Brown Label ATM
- c) Micro ATM
- d) Business Correspondents
- e) Lead Bank Scheme

157. Which Airport is adjudged as the best airport in ASQ Arrivals award 2019?

- a) Kempegowda Airport
- b) Dabolim Airport
- c) Cochin Airport
- d) Chattrapathi Sivaji International Airport
- e) Indira Gandhi International Airport

158. When is the World Consumer Rights Day observed?

- a) March 11
- b) February 13
- c) January 16
- d) March 15
- e) January 28

159. Where is the headquarters of the South Asian Association for Regional Cooperation (SAARC) located?

- a) Phillipines
- b) Nepal
- c) Japan
- d) Washington DC

e) France

160. Where was Khelo India University Games 2020 held?

- a) Bhubaneshwar
- b) Chennai
- c) Hyderabad
- d) Mumbai
- e) Haryana

161. Which among these is a risk that occurs when a financial institution takes risks knowing that someone will have to face the burden of those risks?

- a) Reputational Risk
- b) Systemtaic Risk
- c) Moral Hazard
- d) Market Risk
- e) Operational Risk

162. Whose Birthday is celebrated as National Women's Day on February 13?

- a) Dr Muthulakshmi Reddy
- b) Selvi Jayalalitha
- c) Mother Therasa
- d) Kalpana Chawla
- e) Sarojini Naidu

163. Which country holds the chair of the G20?

- a) UAE
- b) Saudi Arabia

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- c) Spain
- d) India
- e) South Africa
164. What is the revised PPF interest rate for 1st quarter of FY21?
- a) 7%
- b) 7.5%
- c) 8%
- d) 7.3%
- e) 7.1%
165. Who sets world record at Glasgow Indoor Grand Prix in Pole Vaulter ?
- a) Sergey Bupka
- b) Armand Duplatis
- c) Renaud Lavillenie
- d) Sam Kendrick
- e) Sandi Morris
166. Innovate for an Accessible India campaign is to empower \_\_\_\_\_.
- a) women
- b) persons with disabilities
- c) start-up
- d) students
- e) Self Help Groups
167. When is the new deadline for Income Tax filing?
- a) July 31
- b) June 30
- c) March 31
- d) April 30
- e) May 31
168. Philip Warren Anderson who passed away in April 2020 is the Nobel laureate in which field?
- a) Physics
- b) Economics
- c) Chemistry
- d) Literature
- e) Peace
169. In which city, government of India will set up India's 1st war memorial for service animals such as dogs, horses, mules ?
- a) Chennai
- b) Hyderabad
- c) Meerut
- d) Shimoga
- e) Nellore
170. How much MCR reduced for new Payment aggregators (PAs) from 100 crore?
- a) Rs10crore
- b) Rs50crore
- c) Rs25crore
- d) Rs15crore
- e) Rs70crore
171. What term did PM Narendra Modi use to urge people of India to stay indoors on March 22, 2020 amid Coronavirus scare?

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- a) Janta Curfew
- b) Public Distancing
- c) Peace on Roads
- d) Bharat Band
- e) Social Distancing

172. Which country provided three new school buildings in Nepal?

- a) India
- b) Pakistan
- c) Indonesia
- d) Iran
- e) Singapore

173. Which bank introduces prepaid card 'Enkasu'?

- a) SBI
- b) Karur Vysya Bank
- c) City Union Bank
- d) Indian Overseas Bank
- e) IndusInd Bank

174. Who was appointed as the Chief Executive of Indian Banks' Association ?

- a) Arundati Bhattacharya
- b) NS Viswanathan
- c) R Gandhi
- d) Sunil Arora
- e) Sunil Mehta

175. What is the name of the young Indian Grandmaster emerged as champion in the 34<sup>th</sup> Cannes open 2020 chess?

- a) Vidit Gujrathi
- b) D Gukesh
- c) Mukesh Krishnan
- d) Krishnan Sasikiran
- e) Baskaran Adhiban

176. Rajyogini Dadi Janki who passed away recently was the brand ambassador of which of the following scheme?

- a) Swachh Bharat Abhiyan
- b) POSHAN Abhiyan
- c) Jal Jeevan Mission
- d) PRASAD Scheme
- e) Standup India Scheme

177. Name the app which was tested by the Government to locate Quarantine violators?

- a) COVID-19
- b) Quarantine19
- c) Cowin-19
- d) Social Distancing
- e) Geo Fencing

178. Where is the Headquarters of UNICEF Located?

- a) New york, US
- b) Washington DC
- c) Paris, France
- d) Rome, Italy

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

e) Switzerland

179. Who is the chief guest of the 71st Republic Day of India ?

a) Gotabaya Rajapaksha

b) Boris Johnson

c) Jair Bolsanaro

d) Donald Trump

e) Khalifa Bin Zayed Al Nahyan

180. Which state accounted for the maximum number of economic offences in 2018 as per the National Crime Record Bureau's (NCRB) report ?

a) Delhi

b) Uttarakhand

c) Uttar Pradesh

d) Madhya Pradesh

e) Maharashtra

181. Which country hosts FIFA U-17 Women's Football World cup 2020?

a) England

b) Germany

c) Thailand

d) India

e) Italy

182. The centre has announced how much insurance cover for healthcare professionals?

a) Rs10 lakh

b) Rs15 lakh

c) Rs25 lakh

d) Rs50 lakh

e) Rs75 lakh

183. Along with US which troop launches Major Exercise 'Native Fury'?

a) India

b) UK

c) France

d) Russia

e) UAE

184. Who is appointed as the chairman of PFRDA after Pankaj Jain ?

a) Suresh Mathur

b) Harish Uphyodhyay

c) Harihara Krishnan

d) Supratim Bandyopadhyay

e) Krishnamoorthy

185. Which is the percentage of total deposits that bank need to park with the RBI?

a) SLR

b) Repo Rate

c) MSF

d) Bank Rate

e) CRR

186. Which of these derivatives types are traded between financial institutions and not retail investors?

a) Futures

b) Forward

c) Options

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d) Swaps

e) None

187. Who was sworn in as the Chief Information Commissioner?

a) Sanjay Kothari

b) Bimal Julka

c) Sudhir Bhargava

d) Surinder Patel

e) Bimal Jalan

188. When was the Beti Bachao Beti Padhao Scheme launched?

a) 2014

b) 2013

c) 2016

d) 2017

e) 2015

189. Who is elected as the chief vigilance commissioner?

a) Sanjay Kumar

b) Sanjeev Kothari

c) Sanjay Kothari

d) Sanjeev Kumar

e) Ajay Pal singh

190. What is the maximum limit of on-lending allowed for NBFCs for 'term lending' component under agriculture per borrower as per revised norms of RBI?

a) Rs10 lakh

b) Rs15 lakh

c) Rs20 lakh

d) Rs25 lakh

e) Rs30 lakh

### Solution and Detailed Explanations

#### English Language

##### 1. Answer: A)

(a) is the right answer. Refer to the lines: *But we should stop to consider the undesirable outcomes from historical and current practices in the food system. An estimated 820 million people are still under-nourished while almost 2 billion adults are overweight or obese, creating a range of health problems governments and citizens can ill afford.* The passage explicitly states that starvation and obesity are two of the undesirable outcomes of the changes that occurred in the food systems.

(1) is incorrect. Refer to the lines: *While many worry about how our planet will feed the growing human population, at the current rate of consumption, the world's food supply will be capable of doing just that until 2040.* The author believes that the fear is unwarranted and not justified.

(3) is incorrect. Refer to the lines: *Never before has food been so plentiful, hunger been so limited and choice been so broad.* Our food choices have become broad rather than being limited.

##### 2. Answer: E)

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(e) is the right answer. All 1,2 and 3 are correct. Refer to the lines: *There is over-exploitation of land and water resources, excessive carbon emissions and an extensive loss of biodiversity. ....And imbalanced development of different communities involved in the food system reinforces global inequality.* Thus, all the problems that have been mentioned have either been caused or reinforced by the current food systems.

### 3. Answer: E)

(e) is the right answer. The author has cited the example of the US to highlight the environmental benefits that can be drawn from following a nutritional diet that has been prescribed by the government. With the help of this example, the author has highlighted that we do not need to compromise on our nutritional health in order to save our environment. The other options are not related to the point that the author is trying to make with the example of the US.

### 4. Answer: C)

(c) is the right answer. We need a verb in the base form to fit in the infinitive construction of TO+VERB. The sentence seeks to convey that the rise in food prices and low self-sufficiency of low income countries has put them in a vulnerable position. Thus, these factors THREATEN their food security. THREATEN means to pose a risk.

SAFEGUARD- to protect; ABATE- to decrease in force; LESSEN- to decrease in quantity.

### 5. Answer: D)

(d) is the right answer. We need a noun to act as the object of the verb OPTIMISE. The sentence seeks to convey that different foods have different impact on the environment. Thus, we need to balance their consumption to make sure that our resources do not run out. USAGE fits contextually. USAGE is the degree to which something is used or the way in which it is used.

PACE- The pace of something is the speed at which it happens or is done.

RELEVANCE- Something's relevance to a situation or person is its importance or significance in that situation or to that person.

POTENTIAL- ability

### (6 – 9): Common Expansion:

The first sentence of a paragraph introduces a topic. The second sentence usually provides more information about the first.

Here, the second sentence mentions 'the Tiananmen massacre of 1989' and only sentence T talks about the crisis in Hong Kong heading towards a devastating climax – reminiscent of the Tiananmen massacre of 1989.

So, **T must be the first sentence.**

The third sentence must logically follow from the second sentence. Only sentence Q mentions that the events in Hong Kong were 'triggered' by certain actions of the Chinese government.

So, **Q must be the third sentence.**

The fourth sentence must follow from the third. Only sentence P mentions the time frame of protests in Hong Kong – two months – and sentence 5 begins with 'As the unrest drags on.'

So, **P must be the fourth sentence.**

Sixth and seventh sentences would follow the earlier sentences, with the last giving some kind of conclusion to the above sentences. Out of the remaining sentences, R continues on the same theme as sentence 5 - which is 'ominous warnings'- with 'Chinese military officers in action' and S concludes the paragraph by stating the views of the PLA – Hong Kong's sovereignty and prosperity are to be protected.

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So, R must be the sixth sentence while S is the last sentence of the paragraph. The correct order is: TQPRS or T2QP5RS

The complete paragraph is: *The crisis in Hong Kong appears to be careening toward a devastating climax. With China's government now using rhetoric reminiscent of that which preceded the Tiananmen Square massacre in June 1989, Hong Kong's pro-democracy protesters – and, indeed, its democracy – could well be in grave danger. Triggered by a proposed law to allow the extradition of criminal suspects to mainland China, the demonstrations have since developed into broader calls to safeguard – or, perhaps more accurately, restore – the semi-autonomous territory's democracy, including by strengthening state (especially police) accountability. For more than two months, Hong Kong has been beset by protests. As the unrest drags on, the Chinese government's patience is wearing thin – and its warnings are growing more ominous. To drive the point home, a promotional video showing Chinese military officers in action was released along with the statement. The People's Liberation Army (PLA) garrison in Hong Kong is, in the words of its commander Chen Daoxiang, "determined to protect national sovereignty, security, stability, and the prosperity of Hong Kong."*

6. Answer: E)

7. Answer: B)

8. Answer: C)

9. Answer: D)

10. Answer: C)

Naught means nothing.

Passable means just good enough to be acceptable; satisfactory.

Scepter means an ornamented staff carried by rulers on ceremonial occasions as a symbol of sovereignty

Sleight means the use of dexterity or cunning, especially so as to deceive.

Persuasion means the action or process of persuading someone or of being persuaded to do or believe something

Impede means delay or prevent (someone or something) by obstructing them; hinder.

Wreath means a ring made of or resembling soft, twisted material.

Timidity means lack of courage or confidence.

11. Answer: D)

Supplant means supersede and replace.

Transient means lasting only for a short time; impermanent.

Motif means a decorative image or design

Precipitous means dangerously high or steep.

Extant means still in existence, surviving.

Impunity means exemption from punishment or freedom from the injurious consequences of an action.

Aggravate means make (a problem, injury, or offence) worse or more serious

Ameliorate means make (something bad or unsatisfactory) better.

12. Answer: D)

The incorrect parts are 1-C and 3-C.

1-C: replace the plural verb ARE with the singular IS as the subject NUMBER is singular. 2- no error. 3-C: replace the continuous form verb MELTING with MELT as the modal verb WILL will take the base form of the main verb. Thus, (d) is the right answer.

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### 13. Answer: A)

The incorrect parts are 1-B, 2-D, 3-D.

1-B: replace the base form verb CHANGE as the present perfect tense construction HAS + VERB will take the past participle form of the verb. 2-D: replace the second form verb PREPARED with PREPARE as the infinitive construction TO + VERB will take the base form of the verb. 3-D: replace the adjective FARTHER with FURTHER as the former is used with respect to an increase in physical distance not progress.

Thus, (a) is the right answer.

### 14. Answer: C)

The incorrect parts are 1-C and 3-B. Thus, (c) is the right answer.

1-C: replace the adverb THERE with the possessive pronoun THEIR as the sentence talks about the hospital staff's hands. 2 - no error. 3-B: replace the second form verb DID with DONE as the present perfect tense construction HAS + VERB will take the past participle form of the verb.

### 15. Answer: B)

Evidence in support of the given argument can be found from the second paragraph of the given passage in which it is stated that, 'A growth recession is more commonplace where the economy continues to grow but at a slower pace than usual for a sustained period, what India has been facing nowadays. .' From the given statement it can be clearly seen that option (b) is the most suitable answer choice.

### 16. Answer: E)

From the given options, (a) is definitely false as can be seen from the statement 'The GDP growth rate of the economy has slipped to 5 per cent in the first quarter of FY20, the lowest in over six years' as mentioned in the

first paragraph of the passage. Also, there is no mention of statement (b) in the given passage. Statement (d) is also incorrect as can be seen from the statement 'Lower prices, if unable to recover the costs, would halt the operations of any firm and would initiate the layoff process. This, in turn, reduces earnings further. Hence this vicious cycle keeps on repeating itself until the economy slips into a deeper state of shock.' Hence, the correct answer choice would be option (e)

### 17. Answer: B)

Spurt means a sudden marked burst or increase of activity or speed.

Dwindle means diminish gradually in size, amount, or strength.

From the given options, only (b) is opposite in meaning to the given word remaining are its synonyms. Hence, the correct answer choice would be option (b)

### 18. Answer: A)

Plummeting means decrease rapidly in value or amount.

So, from the given options, only (i) is mentioned in the passage. Also, (iii) is the outcome of the economic slowdown not its factor. Hence, the correct answer choice would be option (a)

### 19. Answer: B)

Empathetic means understanding; kind; sensitive

Candid means truthful, straightforward; honest; unreserved

Evasive means ambiguous; cryptic; unclear

Imploring means pleading; begging

Hence, the correct answer choice would be option (b)

### 20. Answer: B)

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The sentence talks about a spacecraft landing on an asteroid. So, 'touchdown' and 'landing' are the words which can fit in the blank. Touchdown - The moment at which an aircraft's wheels or part of a spacecraft make contact with the ground during landing. None of the other words can make the sentence meaningful. Option B is the right answer.

### 21. Answer: D)

The previous sentence says that the landing was successful. So, we can infer that the following press conference would be one of a 'happy' mood. 'Jubilant' and 'overjoyed' are the words that can describe this. Jubilant - Feeling or expressing great happiness and triumph. 'Government' can make the sentence grammatically correct, but 'victory' will not fit, as it is not an adjective (which is here required to modify the noun 'press conference'). The other words do not fit in the context or make the sentence grammatically correct. Option D is the right answer.

### 22. Answer: B)

Since the entire discussion is about a space probe landing on an asteroid, the pair 'operation' and 'manoeuvre' can fit in the context. Manoeuvre - A movement or series of moves requiring skill and care. 'Exercise' can fit, but its pair 'reasoning' cannot fit. The other words cannot fit in the context or make the sentence grammatically correct. Option B is the right answer.

### 23. Answer: A)

Desolate - (of a place) uninhabited and giving an impression of bleak emptiness. 'Desolate' can also mean 'feeling or showing great unhappiness or loneliness', but this is not the meaning employed in the context of the passage. Since the sentence talks about a faraway asteroid, 'desolate', 'uninhabited', 'forsaken' and 'barren' can all fit in the blank. But only option A has the pair that can both fit. None of the other words can make the sentence meaningful or grammatically correct.

### 24. Answer: D)

The sentence tells us what was done as part of the mission. 'Involved' and 'required' can fit in the blank, making the sentence meaningful. None of the other words can fit in the context. Option D is the right answer.

### 25. Answer: E)

The sentence tells us about the aim of the probe, i.e. what it wants to accomplish. So, 'insights' and 'awareness' can fit in the blank. None of the other options can make the sentence meaningful in the current context. Option E is the right answer.

### 26. Answer: B)

The sentence tells us what was done to get the materials from beneath the surface of the asteroid. Since such a complex operation is being undertaken, 'crucial' and 'critical' are the words which can describe the materials. None of the other words can fit in the context. Option B is the right answer.

### 27. Answer: E)

TPSR is the final order. T begins the passage by introducing the main topic that is discussed - cultural eutrophication. It tells us when this occurs - water pollution by humans. P follows by telling us the effect of this on aquatic systems. S follows by focusing on one specific effect of this - decrease in oxygen levels. R concludes by giving an example of a water body where this has caused low-oxygen levels. Thus, (e) is the right answer.

Q is the odd sentence as it talks about what else causes low oxygen levels in water bodies, which is out of scope.

### 28. Answer: C)

The passage talks about cultural eutrophication, how it is caused and the effects it has on water bodies. Thus, (c) is

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the right answer, as it best sums up the main idea of the passage.

A is incorrect as the passage does not describe signs of hypoxic water bodies. B is incorrect as the passage does not focus on discussing pollution in the Black Sea. D is incorrect as it is mentioned briefly in the passage, but does not form the main idea. E is incorrect as the passage does not focus on the effects of pollution, rather talks about the effects of cultural eutrophication on water bodies.

**29. Answer: C)**

P uses the word LEADING to mean prominent; the sentence talks about the prominent causes of aquatic ecosystem degradation. 1 and 3 use the word similarly - 1 talks about prominent auto manufacturers of Japan, and 3 talks about the prominent intellectuals of the early Middle Ages. Thus, (c) is the right answer.

2 is incorrect as it uses LEADING to mean progressing towards something.

**30. Answer: D)**

EXACERBATED means aggravated or made worse. Q uses this word to tell us how low oxygen levels are made worse. WORSENERD is closest in meaning to the given word. Thus, (d) is the right answer.

Exasperated - annoyed. Elicited - evoked. Annihilated - destroyed completely. Enhanced - improved.

**31. Answer: B)**

TPSR is the final order. T begins the passage by introducing the main topic that is discussed - cultural eutrophication. It tells us when this occurs - water pollution by humans. P follows by telling us the effect of this on aquatic systems. S follows by focusing on one specific effect of this - decrease in oxygen levels. R concludes by giving an example of a water body where this has caused low-oxygen levels.

Q is the odd sentence as it talks about what else causes low oxygen levels in water bodies, which is out of scope. Thus, (b) is the right answer.

**32. Answer: B)**

Going through the given passage it can be clearly seen that author is bolstering current government by highlighting its achievements. So, from the given options, option (a) and (c) are in accordance with the given idea whereas option (b) is not. Also, option (d) is neutral. Hence, the correct answer choice would be option (b)

**33. Answer: A)**

Bedevilled means cause great and continual trouble to.

Afflict means cause pain or trouble to; affect adversely.

Cabal means a secret political clique or faction.

Hummock means a hillock or knoll.

Immure means enclose or confine (someone) against their will.

Going through the meaning of the given words it can be clearly seen that the appropriate answer choice would be option (a)

**34. Answer: D)**

From the given questions, only (d) can be answered after reading the given passage. And answer to the question asked in option (d) can be found in last two lines of the second paragraph. Also, there are facts presented in support of the improvement in the area of primary employment but reason for the given improvement is not mentioned. Hence, the correct answer choice would be option (d)

**35. Answer: D)**

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Here Tamed is used a verb which means make less powerful and easier to control.

Vanquish means defeat thoroughly

Mitigate means make (something bad) less severe, serious, or painful.

Fierce means having or displaying an intense or ferocious aggressiveness.

Instigate means bring about or initiate (an action or event).

So going through the meaning of the given words it can be clearly seen that the correct answer choice would be option (d)

**36. Answer: B)**

In the given statement speaker is implying that lack of trust among people is the main reason for the current economic situation. Same thing is said in option (b) and hence the correct answer choice.

**37. Answer: A)**

The options are such that only option A has the appropriate set of words that will seamlessly fit into their respective blanks. In the third blank, a comparative form of an adjective is required (comparison is indicated by the use of 'than'). 'Greater' is the only comparative form of an adjective among the given options; hence, the answer is option a). 'Pumping' forms a phrasal verb with 'out'; 'pump out' means 'produce or emit something in large quantities or amounts'.

**38. Answer: E)**

'Summing up' (give a brief summary) as well as 'conjuring' (magic or illusion) cannot be the required answer option as per the context which talks about Data analytics and its effect on industries; hence, options C & D can be ruled out. Now, 'solving problems' pretty

clearly is a better word for the respective blank than 'negate' or 'outsmart'; hence, the answer will be option E.

**39. Answer: C)**

'Pivot' which means axis or turn, 'resurrect' which means revive and 'levitate' which means rise are all irrelevant to the context at hand and hence these all can be eliminated leaving around only options A & C. Now, although both the options seem increasingly likely to be the answer, one thing that sets them apart is the better usage of 'disadvantage' as compared to 'mercy' for the respective blank and hence option C is what we're looking for.

**40. Answer: C)**

mandate – give (someone) authority to act in a certain way.

cartelization- Cartelisation means a group of industry participants coming together to fix pricing of products and services, limiting supply, or other restrictive practices.

### Reasoning Ability

**(41 – 45): Common Explanation:**

Given:

Input: 26 Ask 50 Car 71 Pen 45 Sun 31 Bike

The logic followed is:

Numbers: First the smallest number is taken and the difference is found.

Example: In step 1, the smallest number in the input is 26

Therefore,  $(26 \Rightarrow 6 - 2 = 4)$

Then,  $4^2 = 16$  is written at the extreme left of Step 1

Similarly for other numbers:

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Numbers in ascending order	26	31	45	50	71
Square of the digits difference	16	4	1	25	36

$$31 \Rightarrow 3 - 1 = 2 \Rightarrow 2^2 = 4$$

$$45 \Rightarrow 5 - 4 = 1 \Rightarrow 1^2 = 1$$

$$50 \Rightarrow 5 - 0 = 5 \Rightarrow 5^2 = 25$$

$$71 \Rightarrow 7 - 1 = 6 \Rightarrow 6^2 = 36$$

Words: The first & last alphabetical values are added, then the words having the smallest value is arranged at the extreme right.

Example: ASK - 1 + 11 = 12

BIKE - 2 + 5 = 7

CAR - 3 + 18 = 21

PEN - 16 + 14 = 30

SUN - 19 + 14 = 33

Therefore, BIKE is written at the right extreme in step 1 and after that each number and word are written according to the rules & previously added items are shifted inwards.

Now,

Input: 26 Ask 50 Car 71 Pen 45 Sun 31 Bike

Step 1- 16 Ask 50 Car 71 Pen 45 Sun 31 Bike

Step 2- 4 16 50 Car 71 Pen 45 Sun Bike Ask

Step 3- 1 4 16 50 71 Pen Sun Bike Ask Car

Step 4- 25 1 4 16 71 Sun Bike Ask Car Pen

Step 5- 36 25 1 4 16 Bike Ask Car Pen Sun

41. Answer: B)

42. Answer: E)

43. Answer: C)

44. Answer: B)

45. Answer: E)

46. Answer: C)

Given Statement: U \$ M, M & K, I % K, L @ U

On converting:  $U \leq M, M \geq K, I > K, L < U$

On combining:  $L < U \leq M \geq K < I$

Conclusions:

1)  $K \$ M \rightarrow K \leq M \rightarrow$  True (as  $M \geq K$ )

2)  $U \% K \rightarrow U > K \rightarrow$  False (as  $U \leq M \geq K$ )

3)  $I @ L \rightarrow I < L \rightarrow$  False (as  $L < U \leq M \geq K < I \rightarrow$  Relation between I and L can't be established)

Hence, Only conclusion I is True.

47. Answer: B)

Given Statement: J % P, S & J, A = S, K @ A

On converting:  $J > P, S \geq J, A = S, K < A$

On combining:  $K < S = A \geq J > P$

Conclusions:

1)  $A = S \rightarrow A = S \rightarrow$  True (as  $S = A$ )

2)  $P @ A \rightarrow P < A \rightarrow$  True (as  $A \geq J > P$ )

3)  $K \$ J \rightarrow K \leq J \rightarrow$  False (as  $K < S = A \geq J$  there is no fixed relation between K and J)

Hence, Both Conclusions I and II are True.

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### 48. Answer: D)

Given Statement:  $P = T, M @ L, O \% K, M \& T$

On converting:  $P = T, M < L, O > K, M \geq T$

On combining:  $P = T \leq M < L; O > K$

Conclusions:

I.  $O \% M \rightarrow O > M \rightarrow$  False (as  $P = T \leq M < L; O > K \rightarrow$  no relation between O and M can be established)

II.  $T @ L \rightarrow T < L \rightarrow$  True (as  $T \leq M < L$ )

III.  $K \$ O \rightarrow K \leq O \rightarrow$  False (as there is no relationship between K and O)

Hence, Only conclusion II is True.

### 49. Answer: B)

Given Statement:  $K \$ L, T @ K, U = T, V \% U$

On converting:  $K \leq L, T < K, U = T, V > U$

On combining:  $V > T = U < K \leq L$

Conclusions:

I.  $L \% T \rightarrow L > T \rightarrow$  True (as  $L \geq K > U = T$ )

II.  $T @ V \rightarrow T < V \rightarrow$  True (as  $V > T$ )

III.  $K \$ V \rightarrow K \leq V \rightarrow$  False (as  $V > T = U < K \rightarrow$  relation between K and V can't be established)

Hence, Both Conclusions I and II are True.

### 50. Answer: C)

Given Statement:  $I \$ W, B = A, I \& A, G \% W$

On converting:  $I \leq W, B = A, I \geq A, G > W$

On combining:  $B = A \leq I \leq W < G$

Conclusions:

1)  $B = I \rightarrow B = I \rightarrow$  False (as  $B = A \leq I$ )

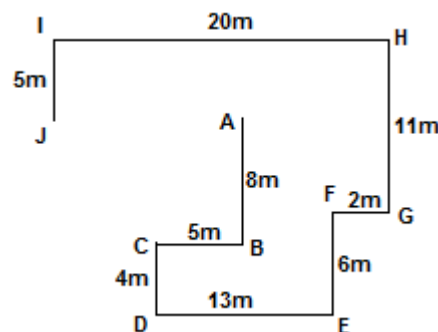
2)  $I \% B \rightarrow I > B \rightarrow$  False (as  $B = A \leq I$ )

3)  $G \$ W \rightarrow G \leq W \rightarrow$  False (as  $G > W$ )

Note: Conclusion I and II are complementary pair.

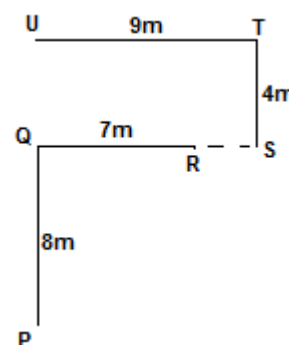
Hence, Either Conclusion I or II is true.

### 51. Answer: E)



Point F is north east of point C.

### 52. Answer: D)



Point S is 2m @ point R means Point S is 2m east of point R.

Shortest distance between point U and point P is  $(8 + 4)m = 12m$ .

### 53. Answer: D)

(d) is the right answer. The root cause of decline in the sale of non-essential items is the decline in the supply of

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coal in India. If the supply keeps on decreasing, there will be a decline in the sale of non-essential items too. Thus, D strengthens the argument that the sale of items that are considered non-essential will continue to decline.

(a) is incorrect. The passage does not discuss the link between the housing sector and supply of coal.

(b) is incorrect. The statement weakens the argument.

(c) is incorrect. The statement is concerned with the preference of the youth, which is not important in this context.

**54. Answer: E)**

Filing a case against the government would not be feasible or viable because the government must have certain reasons to ask the college to allot suitable land for the new department. So, the course of action I does not follow.

Since the new department is part of the college it is inadequate to build it outside the campus and will cause a lot of trouble in management. So, the course of action II also does not follow.

Agreeing to the government's demands without objection is also incorrect because the college authority does have a shortfall of land. So, the course of action III also does not follow.

**55. Answer: E)**

If the public is made aware and stopped from buying the noodles then the damage caused due to the noodles can be reduced in the future, hence course of action I follows. The company is selling harmful eatables, so it is necessary that this case be investigated and actions should be taken against the company accordingly; hence course of action II also follows. To stop the damage that may be caused due to the noodles it is beneficial that its production and sale be discontinued. Therefore, course of action III follows.

**56. Answer: A)**

**Statement I is the cause and statement II is its effect.**

Because of the fact that police is investigating the accident which occurred last night the road is blocked. Hence, it is very clear that statement I is the cause and statement II its effect.

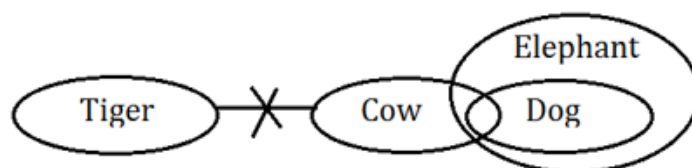
**57. Answer: C)**

**58. Answer: C)**

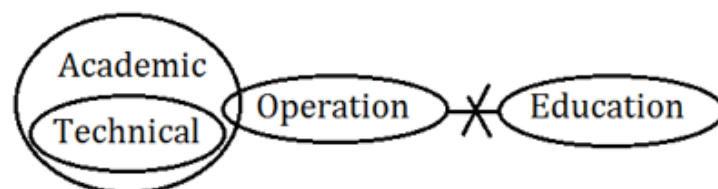
**59. Answer: B)**

**60. Answer: B)**

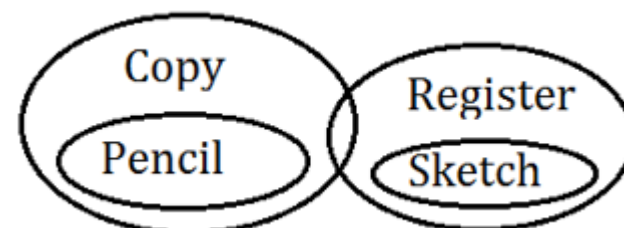
**61. Answer: B)**



**62. Answer: E)**

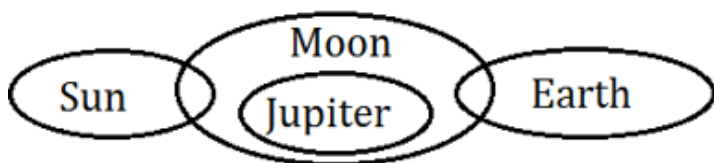


**63. Answer: D)**

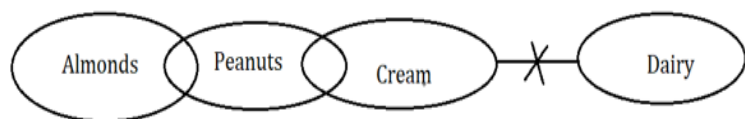


**64. Answer: B)**

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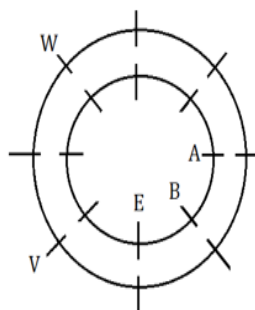
65. Answer: E)



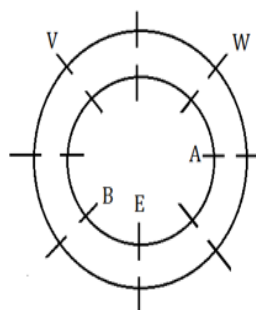
(66 – 70): Common Explanation:

A sits second to the right of E. B is an immediate neighbor of E. V sits second to the left of the one who sits behind B. W sits behind the one who faces B.

So we have two possible cases:

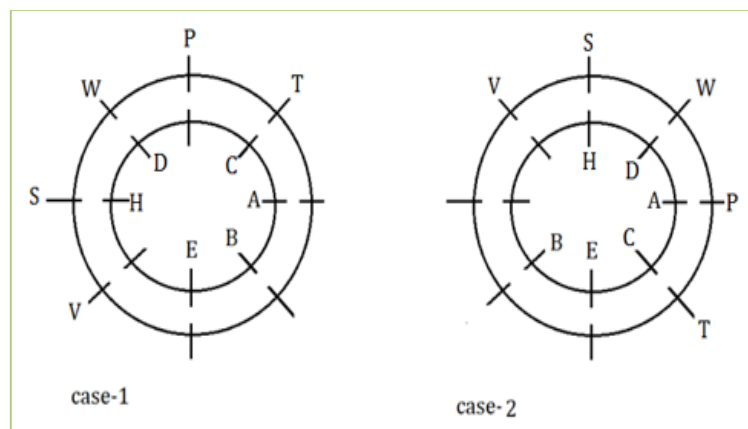


case-1

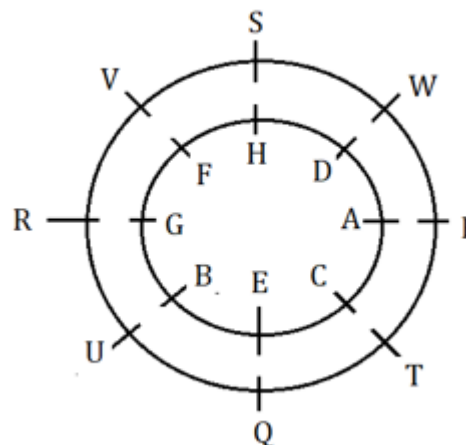


case-2

S sits behind H who is an immediate neighbor of D. V does not sit behind D. F and G are not immediate neighbor of A. P sits immediate right of T who sits behind C.



F and G are immediate neighbours of each other. So case-1a is eliminated. W and V are not sitting behind G. So case-1 is eliminated. Q does not sit behind B. Two persons sit between R and T. So final arrangement:



66. Answer: B)

67. Answer: E)

68. Answer: D)

69. Answer: C)

70. Answer: D)

(71 – 75): Common Explanation:

The birthday of A, who is the father in law of E, falls on 12th of the month, which has odd number of days means birthday of A falls either on January or July.

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Only three birthdays are between the birthdays of A and C, who is the sister in law of B, who does not have any sibling means C is the sister of either husband or wife of B.

Only one birthday is between the birthdays of C and F, who has birthday in the month, which has odd number of days which means F has birthday in January or July.

Case I: When birthday of A falls in January.

Month/Date	Person
January 12th	A
January 25th	
February 12th	
February 25th	
June 12th	C
June 25th	
July 12th	F
July 25th	

Case II: When birthday of A falls in July.

Month/Date	Person
January 12th	F
January 25th	
February 12th	C
February 25th	
June 12th	
June 25th	
July 12th	A
July 25th	

G, whose birthday falls on 12th of the month, is daughter of B, who is a female member in the family. The birthday of G falls between the birthday of D and the birthday of G's brother.

Case I:

Month/Date	Person
January 12th	A
January 25th	D/G's brother
February 12th	G
February 25th	G's brother/D
June 12th	C

June 25th	
July 12th	F
July 25th	

Case II:

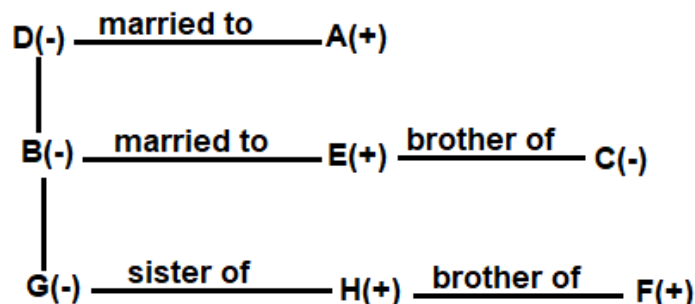
Month/Date	Person
January 12th	F
January 25th	
February 12th	C
February 25th	D/G's brother
June 12th	G
June 25th	G's brother/D
July 12th	A
July 25th	

Number of birthdays after H, whose birthday is not in January, is one more than the birthdays before B, who is the daughter of D.

So, the case I is invalid and H is the brother of G.

The final arrangement is as follows:

Month/Date	Person
January 12th	F
January 25th	B
February 12th	C
February 25th	D
June 12th	G
June 25th	H
July 12th	A
July 25th	E



The one, whose birthday falls on 12<sup>th</sup> June i.e. G is the daughter of E.

71. Answer: D)

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72. Answer: B)

73. Answer: C)

74. Answer: B)

75. Answer: B)

### (76 – 80): Common Explanation:

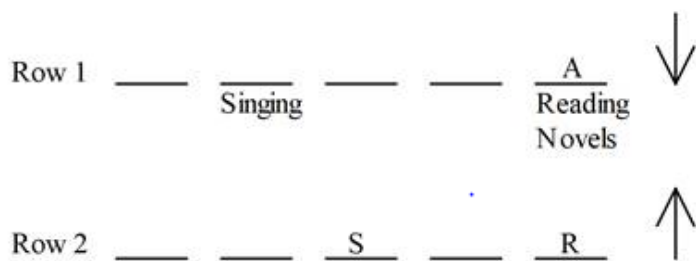
A, whose hobby is Reading Novels, sits at an extreme end of the row facing South.

The person, whose hobby is Singing, sits third to the right of the one, whose hobby is Reading Novels.

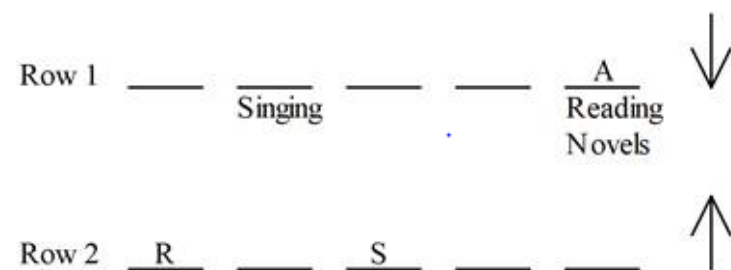
S, who faces North, sits in the middle of the row.

R, who faces North, sits at an extreme end of the row.

Case I:



Case II:

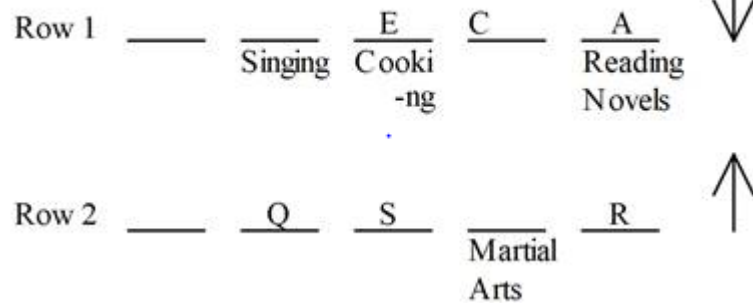


Q, who faces North, sits second to the left of the one, whose hobby is doing Martial arts.

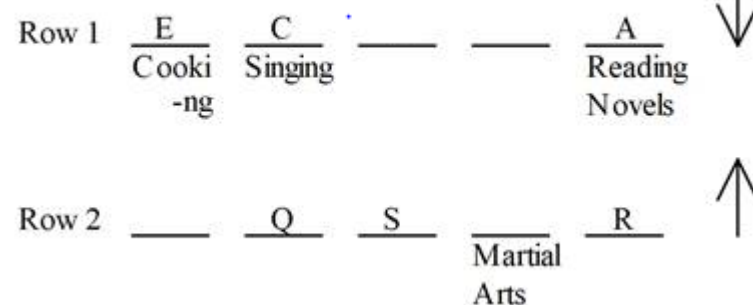
Neither R nor P likes Martial Arts.

C sits immediate left of E, whose hobby is Cooking.

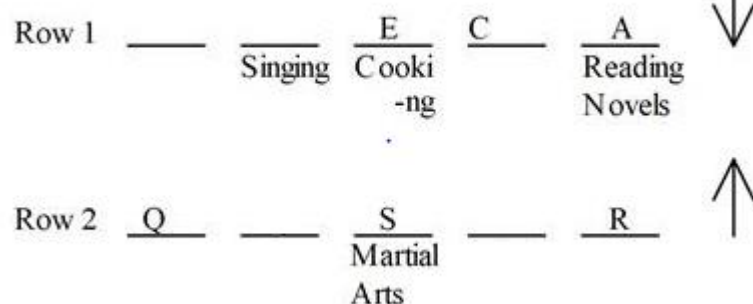
Case IA:



Case IB:



Case IC:



Case ID:

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

Row 1  $\frac{E}{\text{Cooki}} \frac{C}{\text{Singing}}$  — —  $\frac{A}{\text{Reading}} \frac{R}{\text{Novels}}$

Row 2  $\frac{Q}{\text{Danci}}$  — —  $\frac{S}{\text{Martial}} \frac{P}{\text{Arts}}$   $\frac{R}{\text{Arts}}$

Case IIA:

Row 1 —  $\frac{C}{\text{Singing}}$   $\frac{E}{\text{Cooki}}$   $\frac{A}{\text{Reading}}$   $\frac{R}{\text{Novels}}$

Row 2  $\frac{R}{\text{Arts}}$   $\frac{Q}{\text{Arts}}$   $\frac{S}{\text{Arts}}$  — —

Case IIB:

Row 1  $\frac{E}{\text{Cooki}} \frac{C}{\text{Singing}}$  — —  $\frac{A}{\text{Reading}} \frac{R}{\text{Novels}}$

Row 2  $\frac{R}{\text{Arts}}$   $\frac{Q}{\text{Arts}}$   $\frac{S}{\text{Arts}}$  — —

Row 1 —  $\frac{C}{\text{Singing}}$   $\frac{E}{\text{Cooki}}$   $\frac{A}{\text{Reading}}$   $\frac{R}{\text{Novels}}$

Row 2  $\frac{Q}{\text{Danci}}$  — —  $\frac{S}{\text{Martial}} \frac{P}{\text{Arts}}$   $\frac{R}{\text{Arts}}$

Case ID:

Row 1  $\frac{E}{\text{Cooki}} \frac{C}{\text{Singing}}$  — —  $\frac{A}{\text{Reading}} \frac{R}{\text{Novels}}$

Row 2  $\frac{Q}{\text{Danci}}$  — —  $\frac{S}{\text{Martial}} \frac{P}{\text{Arts}}$   $\frac{R}{\text{Arts}}$

Case IIA:

Row 1 —  $\frac{C}{\text{Singing}}$   $\frac{E}{\text{Cooki}}$   $\frac{A}{\text{Reading}}$   $\frac{R}{\text{Novels}}$

Row 2  $\frac{R}{\text{Arts}}$   $\frac{Q}{\text{Danci}}$   $\frac{S}{\text{Arts}}$  — —  $\frac{P}{\text{Arts}}$

Case IIB:

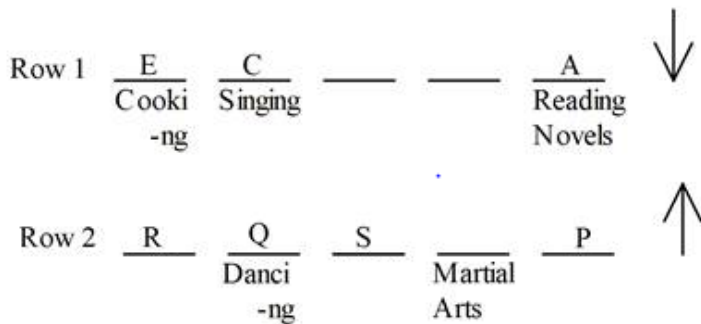
P, who faces North, sits third to the right of the one whose hobby is Dancing.

Neither R nor P likes Martial Arts.

Therefore, case IA and Case IB are not valid.

Case IC:

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

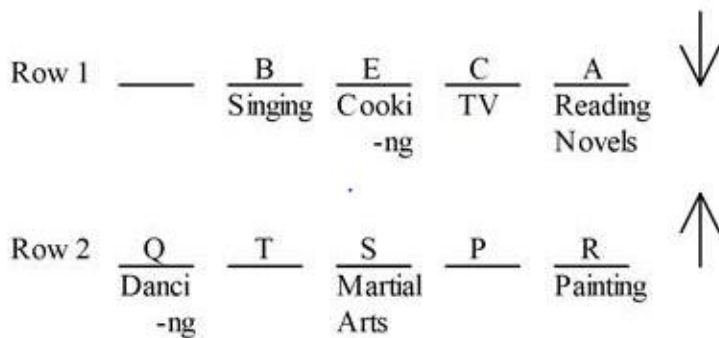


B sits second to the right of the person, whose hobby is Watching television.

It is clear that B faces South.

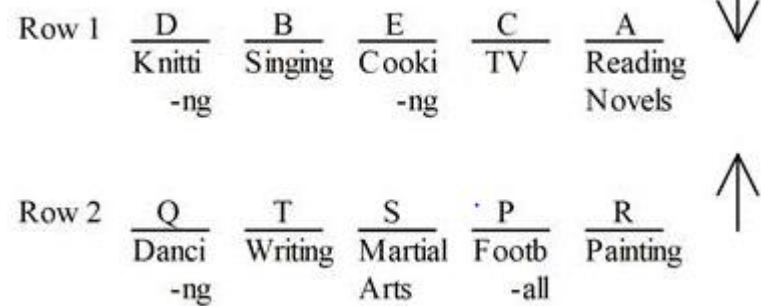
Now, Case ID and Case IIB are invalid as there is no such place for B to be seated.

T sits third to the left of the one, whose hobby is Painting. So, Case IIA become invalid



D, whose hobby is Knitting, faces South.

The one who likes Football sits second to the right of the one whose hobby is Writing.



76. Answer: A)

77. Answer: A)

78. Answer: E)

79. Answer: D)

80. Answer: A)

(81 – 85): Common Explanation:

Three persons sit between D and the one whose age was a perfect square, who sits at the extreme right end.

Case 1    —    —     $\frac{D}{—}$     —    —    —     $\frac{—}{25}$

Case 2    —    —     $\frac{D}{—}$     —    —    —     $\frac{—}{16}$

One person sits between D and the one whose age is 21. The number of persons who sit to the right of the one whose age is 21 is one more than the number of persons who sit to the left of A. Difference between the ages of A and the one who sits at the extreme right end is six. Not more than two persons sit between A and the one whose age is 21.

Case 1    —     $\frac{A}{19}$      $\frac{D}{—}$     —     $\frac{—}{21}$     —     $\frac{—}{25}$

Case 2    —     $\frac{A}{22}$      $\frac{D}{—}$     —     $\frac{—}{21}$     —     $\frac{—}{16}$

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

The difference between the ages of A and B is three. B's age is equal to the average age of A and G. B sits second to the left of C.

Case 1  $\frac{\quad}{\quad} \quad \frac{A}{19} \quad \frac{D}{\quad} \quad \frac{B}{22} \quad \frac{\quad}{21} \quad \frac{C}{\quad} \quad \frac{G}{25}$

Case 2a  $\frac{\quad}{\quad} \quad \frac{A}{22} \quad \frac{D}{\quad} \quad \frac{B}{19} \quad \frac{\quad}{21} \quad \frac{C}{\quad} \quad \frac{G}{16}$

Case 2b  $\frac{G}{28} \quad \frac{A}{22} \quad \frac{D}{\quad} \quad \frac{B}{25} \quad \frac{\quad}{21} \quad \frac{C}{\quad} \quad \frac{\quad}{16}$

The number of persons sits between E and the one whose age is 19 is the same as between C and the one whose age is 27. F's age was in multiple of three. Sum of the ages of C and F is the same as the sum of the ages of B and E. Difference between the ages of F and G is more than five.

Case 1  $\frac{F}{15} \quad \frac{A}{19} \quad \frac{D}{27} \quad \frac{B}{22} \quad \frac{E}{21} \quad \frac{C}{28} \quad \frac{G}{25}$

Case 2a  $\frac{E}{\quad} \quad \frac{A}{22} \quad \frac{D}{27} \quad \frac{B}{19} \quad \frac{F}{21} \quad \frac{C}{\quad} \quad \frac{G}{16}$

Case 2b  $\frac{G}{28} \quad \frac{A}{22} \quad \frac{D}{\quad} \quad \frac{B}{25} \quad \frac{F}{21} \quad \frac{C}{\quad} \quad \frac{E}{16}$

Case 2a is invalid because the difference between the ages of F and G is more than five.

Case 2b is invalid because the number of persons sits between E and the one whose age is 19 is the same as between C and the one whose age is 27.

So, the final arrangement is

$\frac{F}{15} \quad \frac{A}{19} \quad \frac{D}{27} \quad \frac{B}{22} \quad \frac{E}{21} \quad \frac{C}{28} \quad \frac{G}{25}$

81. Answer: C)

82. Answer: E)

83. Answer: D)

84. Answer: B)

85. Answer: C)

(86 – 90): Common Explanation:

- 1) There are even number of boxes above and below yellow box but not more than four.
- 2) Three boxes are between Black and Orange and also between Green and Yellow.
- 3) White box is exactly above the yellow box.

Case 1:	
SL. No	Colors
7	Green
6	
5	
4	White
3	Yellow
2	
1	

Case 2:	
SL. No	Colors
7	
6	White
5	Yellow
4	
3	
2	
1	Green

Case 3:	
SL. No	Colors
9	Green/other
8	
7	
6	White
5	Yellow
4	
3	
2	
1	other/Green

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

4) There are two perfect squares and one perfect cube in these boxes. None of them is even.

5) The yellow box contains a number which is four more than twice of the number in orange box. The box which contains a number that is perfect cube is exactly in the middle.

(2-digit perfect cube odd number must be 27 which is exactly in the middle)

But, Yellow box,  $27 = 2 \times \text{Orange} + 4$  that is not possible so case 3 is eliminated.

Case 1:		
SL. No	Colors	Numbers
7	Green	
6		
5		
4	White	27
3	Yellow	
2		
1		

Case 2:		
SL. No	Colors	Numbers
7		
6	White	
5	Yellow	
4		27
3		
2		
1	Green	

6) There are twice the boxes are above blue than there are below orange. Three boxes are between Black and Orange and also between Green and Yellow.

Now from statement 2 we cannot place orange and blue colour in case 2 so that is also eliminated so we continue with case 1 and placing orange & blue colours as below and then from statement 6 we can be placing black colour.

Case 1:		
SL. No	Colors	Numbers
7	Green	
6	Black	
5	Blue	
4	White	27
3	Yellow	
2	Orange	
1		

7) Blue, Black and White boxes contains, number that are in Arithmetic Sequence (in that order), total of which is 54.

Now from statement 8 blue ( $a - x$ ), black ( $a$ ) & white ( $a + x$ ) colours are in arithmetic series with their sum 54, which gives  $a = 18$  from white colour box  $a + x = 27$  gives  $x = 9$ .

Thus, blue box contains 9 & black box contains 18.

Case 1:		
SL. No	Colors	Numbers
7	Green	
6	Black	18
5	Blue	9
4	White	27
3	Yellow	
2	Orange	
1		

8) The sum of numbers of yellow and green is LCM of White and Blue box. Also, the number on the green box is greater than the number on the yellow box.

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

9) The box which is at top position contains number which is three more than thrice of the number of the box which is at bottom.

9) The yellow box contains a number which is four more than twice of the number in orange box.

Case 1:		
SL. No	Colors	Numbers
7	Green	$3m + 3$
6	Black	18
5	Blue	9
4	White	27
3	Yellow	$2n + 4$
2	Orange	n
1		m

Now green + yellow = 27 so green must be less than 27 and is multiple of 3 so pairing (green, yellow) = (24, 3) (21, 6) (18, 9) (15, 12) but yellow =  $2n + 4$  so (24, 3) & (18, 9) are eliminated.

SL. No.	Colors	Numbers	Numbers Case 1 (a)	Numbers Case 1 (b)
7	Green	$3m + 3$	21	15
6	Black	18	18	18
5	Blue	9	9	9
4	White	27	27	27
3	Yellow	$2n + 4$	6	12
2	Orange	n	1	4
1		m	6	4

Here case 1(b) is not possible as it has three perfect square. So, solution would be,

SL. No.	Colors	Numbers
7	Green	21
6	Black	18
5	Blue	9
4	White	27

3	Yellow	6
2	Orange	1
1		6

86. Answer: B)

87. Answer: E)

88. Answer: B)

89. Answer: D)

90. Answer: C)

### Quantitative Aptitude

91. Answer: B)

$$11^2 + 11 = 132$$

$$13^2 + 13 = 182$$

$$17^2 + 17 = 306$$

$$19^2 + 19 = 380$$

$$23^2 + 23 = 552$$

$$29^2 + 29 = 870$$

So, 306 should come in place of 272.

92. Answer: A)

$$112 + 13 \times 2 = 138$$

$$138 + 13 \times 4 = 190$$

$$190 + 13 \times 8 = 294$$

$$294 + 13 \times 16 = 502$$

$$502 + 13 \times 32 = 918$$

So, 138 should come in place of 140.

93. Answer: E)

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

$$180 + 13 \times 12 = 336$$

$$336 + 12 \times 11 = 468$$

$$468 + 11 \times 10 = 578$$

$$578 + 10 \times 9 = 668$$

$$\mathbf{668 + 9 \times 8 = 740}$$

So, 740 should come in place of 760.

**94. Answer: A)**

$$\mathbf{124 \times 1.5 = 186}$$

$$186 \times 2 = 372$$

$$372 \times 1.5 = 558$$

$$558 \times 2 = 1116$$

$$1116 \times 1.5 = 1674$$

So, 124 should come in place of 132.

**95. Answer: B)**

$$185 + 13 \times 1 = 198$$

$$198 - 13 \times 2 = 172$$

$$\mathbf{172 + 13 \times 3 = 211}$$

$$211 - 13 \times 4 = 159$$

$$159 + 13 \times 5 = 224$$

So, 211 should come in place of 214.

**96. Answer: A)**

Number of people invited to the party = 150

Average cost of food per person = Rs. 1840

Total cost of food = 150 x 1840 = Rs. 276000

Let 'n' people attended the party

The average cost of food increased by Rs. 160,

Average cost of food per person after increase = 1840 + 160 = Rs. 2000

$$2000n = 276000$$

$$n = 276000/2000 = 138$$

Number of invited people that did not attend the party = 150 - 138 = 12

**97. Answer: C)**

Total area of the park = 40 \* 40 = 1600 m<sup>2</sup>

Area of the triangular pool = ( $\sqrt{3}/4$ ) \* (20)<sup>2</sup> = 172 m<sup>2</sup>

Area of the circular pool = (22/7) \* 14<sup>2</sup> = 616 m<sup>2</sup>

Total area of the park where gardening will be done = 1600 - 172 - 616 = 812 m<sup>2</sup>

Total cost of gardening = 812 \* 15 = Rs.12180

**98. Answer: A)**

Let the ages of A, B and C be 2a, 3a and c respectively.

$$(2a - 1):(c - 1) = 5:7$$

$$14a - 7 = 5c - 5$$

$$14a = 5c + 2 \text{ .. (i)}$$

$$(3a - 6):(c - 6) = 11:10$$

$$30a - 60 = 11c - 66$$

$$30a = 11c - 6 \text{ .. (ii)}$$

Solving (i) and (ii),

$$a = 13, c = 36$$

So, the ages of A, B and C are 26, 39 and 36 years respectively.

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

So, the difference between the oldest and the youngest =  
 $39 - 26 = 13$  years

**99. Answer: D)**

Let the investment by Abhishek be Rs 'x'

Investment by Bacchan = Rs (x + 1400)

Ratio in which profit will be divided between Abhishek and Bacchan

$$= 5x:4(x + 1400) = 5x:(4x + 5600)$$

Sum of parts of the ratio =  $9x + 5600$

$$57(1/7)\% = (400/700) = 4/7$$

$$\text{So, } (4x + 5600)/(9x + 5600) = 4/7$$

$$\Rightarrow 36x + 22400 = 28x + 39200$$

$$\Rightarrow 8x = 16800$$

$$\Rightarrow x = 2100$$

**100. Answer: B)**

Let the Cost Price of items A and B be Rs 3x and Rs 5x respectively.

$$\text{Marked Price of item A} = 3x \times (120/100) = \text{Rs } 3.6x$$

$$\text{Marked Price of item B} = 5x \times (140/100) = \text{Rs } 7x$$

$$\text{Selling Price of item A} = 3.6x \times (90/100) = \text{Rs } 3.24x$$

$$\text{Selling Price of item B} = 7x \times (75/100) = 5.25x$$

$$\text{So, } 3.24x + 5.25x = 1698$$

$$8.49x = 1698$$

$$x = 200$$

Sum of their Cost prices = Rs 8x = Rs 1600

**101. Answer: B)**

Quantity I:

$$\text{Cost price of article for Bitti} = 2070/1.15 = \text{Rs. } 1800$$

$$\text{Cost price of article for Aman} = 1800/0.75 = \text{Rs. } 2400$$

$$\text{Marked price of the article} = 2400/1.2 = \text{Rs. } 2000$$

$$\text{So, } x = 2000 - 1200 = \text{Rs. } 800$$

$$\text{Quantity I} = 800$$

Quantity I:

$$\text{Ratio of profit share of A and B} = 3(y + 150):2(y - 150)$$

According to question;

$$3(y + 150)/2(y - 150) = 960/(1408 - 960) = 15/7$$

$$21y + 3150 = 30y - 4500$$

$$9y = 7650$$

$$y = 850$$

$$\text{Quantity II} = 850$$

$$\text{Quantity II} > \text{Quantity I}$$

**102. Answer: D)**

Quantity I:

Let total number of voters in the voter list be 100x

$$\text{Number of votes obtained by winner} = 0.45 \times 100x = 45x$$

$$\text{Total number of valid votes} = 0.75 \times 0.90 \times 100x = 67.5x$$

$$\text{Number of votes obtained by loser} = 67.5x - 45x = 22.5x$$

According to question;

$$45x - 22.5x = 360$$

$$x = 360/22.5 = 16$$

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Total number of voters in the voter list =  $16 \times 100 = 1600$

Quantity I = 1600

Quantity II:

Let number of males and females in the town is  $16x$  and  $15x$  respectively.

According to question;

$$(1.25 \times 16x)/(15x + 1000) = 12/13$$

$$5x/(15x + 1000) = 3/13$$

$$x/(3x + 200) = 3/13$$

$$13x = 9x + 600$$

$$4x = 600$$

$$x = 150$$

$$\text{Desired increase} = 0.25 \times 16 \times 150 + 1000 = 600 + 1000 = 1600$$

Quantity II = 1600

Quantity I = Quantity II

**103. Answer: B)**

$$12.06 \times 19.02 + 12.94 \times 14.87 + 152.09 = ?\% \text{ of } 498.98$$

$$12 \times 19 + 13 \times 15 + 152 \sim ?\% \text{ of } 500$$

$$228 + 195 + 152 \sim ?\% \text{ of } 500$$

$$575 \sim ?\% \text{ of } 500$$

$$? \sim 575/5 \sim 115$$

**104. Answer: E)**

$$177.05 = 25.06\% \text{ of } 3631.97 + 16.02\% \text{ of } 3750.08 - ?^3$$

$$177 \sim 25\% \text{ of } 3632 + 16\% \text{ of } 3750 - ?^3$$

$$177 \sim 908 + 600 - ?^3$$

$$?^3 \sim 1508 - 177 \sim 1331$$

$$? \sim 11$$

**105. Answer: C)**

$$25.04 \times 22.03 + 383.92 \div ? + 23.78\% \text{ of } 1499.98 = 926.08$$

$$25 \times 22 + 384 \div ? + 24\% \text{ of } 1500 \sim 926$$

$$384 \div ? \sim 926 - 550 - 360$$

$$384 \div ? \sim 16$$

$$? \sim 384/16 \sim 24$$

**106. Answer: D)**

Let for each organization, total number of employees and the number of employees in publishing, editing and design be denoted by T, P, E and D respectively.

**For V:**

$$P - E = 2700$$

$$D = 25\% \text{ of total employees} = 0.25T$$

$$E : D = 3:5$$

$$E = 0.15T$$

$$\text{So, } P = T - 0.25T - 0.15T = 0.6T$$

$$\text{Hence, } 0.6T - 0.15T = 2700$$

$$T = 6000$$

$$\text{So, } D = 0.25 * 6000 = 1500$$

**For W:**

$$D = 3180 - 1500 = 1680$$

$$\text{Also, } 1680 = 40\% \text{ of } T$$

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

$$T = 4200$$

$$P - E = -1080 \dots (i)$$

$$P + E = 60\% \text{ of } T = 2520 \dots (ii)$$

From (i) and (ii), we get

$$E = 1800, P = 720$$

So, the required ratio =  $E:D = 1800:1680 = 15:14$

**107. Answer: B)**

Let for each organization, total number of employees and the number of employees in publishing, editing and design be denoted by T, P, E and D respectively.

**For X:**

$$D = 0.3 * 1860 = 558$$

$$E = 2D = 1116$$

$$P = 186$$

**For Z:**

$$\text{Number of employees in Publishing of organization Z} = 2 * 498 - 186 = 810$$

$$P - E = -540$$

$$E = 1350$$

$$T = 1350/0.375 = 3600$$

$$\text{So, } D = 3600 - 810 - 1350 = 1440$$

$$\text{Required percentage} = (1440/3600) * 100\% = 40\%$$

**108. Answer: E)**

Let for each organization, total number of employees and the number of employees in publishing, editing and design be denoted by T, P, E and D respectively.

**For X:**

$$D = 0.3T$$

$$E = 2D = 0.6T$$

$$\text{So, } P = 0.1T$$

$$\text{Now, } P - E = 1375 \text{ or } P - E = -1375$$

$$0.1T - 0.6T = -1375 \text{ (as } 0.1T < 0.6T)$$

$$T = 2750$$

$$P = 0.1 * 2750 = 275$$

**For Y:**

Difference between the number of employees in the Publishing of organizations X and Y = 25

$$\text{Case 1: } P = 275 + 25 = 300$$

$$\text{Case 2: } P = 275 - 25 = 250$$

$$E = 40\% \text{ of } T \text{ and } D = 35\% \text{ of } T$$

$$\text{So, } P = 25\% \text{ of } T$$

$$\text{Case 1: } T = 300/0.25 = 1200$$

$$\text{Case 2: } T = 250/0.25 = 1000$$

**109. Answer: C)**

Let for each organization, total number of employees and the number of employees in publishing, editing and design be denoted by T, P, E and D respectively.

**For Z:**

$$P + E = 2 * 1080 = 2160$$

$$P - E = -540$$

$$\text{So, } P = 810 \text{ and } E = 1350$$

**For V:**

$$E = 1350 * (4/9) = 600$$

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

$$D = (5/3) * 600 = 1000$$

**110. Answer: C)**

Let for each organization, total number of employees and the number of employees in publishing, editing and design be denoted by T, P, E and D respectively.

**For W:**

$$P - E = -1080$$

$$P + E = 60\% \text{ of } 6300 = 3780$$

$$\text{So, } E = 2430$$

**For Y:**

$$E = 2 * 1815 - 2430 = 1200$$

$$\text{As } P = 25\% \text{ of } T \text{ and } D = 35\% \text{ of } T$$

$$\text{So, } E = 40\% \text{ of } T$$

$$T = 1200/0.4 = 3000$$

$$\text{And } D = 35\% \text{ of } 3000 = 1050$$

**(111 – 115): Common Explanation:**

Let the number of tapebound and steno notebooks sold by Rajiv be  $8x$  and  $5x$  respectively.

$$\text{Number of tapebound notebooks sold by Rajat} = 1.35 \times 8x = 10.8x$$

$$\text{Number of steno notebooks sold by Rajat} = 1.4 \times 5x = 7x$$

$$\text{Total number of notebooks sold by Rajat} = 10.8x + 7x = 17.8x$$

$$\text{Total number of notebooks sold by Rahul} = 17.8x/1.25 = 17.8 \times 4/5 = 14.24x$$

According to question;

$$14.24x = 1305 - 150 - 87 = 1068$$

$$14.24x = 1068$$

$$x = 1068/14.24 = 75$$

$$\text{Number of steno notebooks sold by Rahul} = (1068 + 168)/2 = 618$$

$$\text{Number of tapebound notebooks sold by Rahul} = 1068 - 618 = 450$$

$$\text{Number of steno notebooks sold by Ratan} = 618 + 87 = 705$$

$$\text{Number of tapebound notebooks sold by Ratan} = 450 + 150 = 600$$

Shopkeepers	Tapebound	Steno	Total
Rajiv	$8 \times 75 = 600$	$5 \times 75 = 375$	$600 + 375 = 975$
Rajat	$10.8 \times 75 = 810$	$7 \times 75 = 525$	$810 + 525 = 1335$
Rahul	450	618	1068
Ratan	600	705	1305

**111. Answer: A)**

$$\text{Desired Ratio} = 810:450 = 9:5$$

**112. Answer: D)**

$$\text{Total number of notebooks sold by Rajiv} = 975$$

**113. Answer: B)**

$$\text{Desired Percentage} = [(705 - 375)/375] \times 100 = 88\%$$

**114. Answer: C)**

$$\text{Desired Average} = (810 + 600)/2 = 705$$

**115. Answer: C)**

$$\text{Desired difference} = 525 - 450 = 75$$

**116. Answer: B)**

$$\text{Total number of people in Audi 2 and Audi 1} = (16 + 20)\% \text{ of } 3500 = 36\% \text{ of } 3500 = 1260$$

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Central angle = Given number/ (total number  $\times$   $360^\circ$ )

Total number of males in Audi 2 and Audi 1 =  $(43.2 + 64.8)^\circ/360^\circ \times 1500 = 108/360 \times 1500 = 450$

$\therefore$  Total number of females =  $1260 - 450 = 810$

### 117. Answer: C)

Number of females visited in Audi 4 = Total people visited in Audi 4 – Total males visited in Audi 4 = 22% of 3500 –  $39.6/360 \times 1500 = 770 - 165 = 605$

Number of males visited in Audi 5 =  $136.8^\circ/360^\circ \times 1500 = 570$

$\therefore$  Required Ratio =  $570 : 605 = 114 : 121$

### 118. Answer: D)

Total number of males visited in Audi 4 and Audi 3 =  $(39.6 + 75.6)^\circ/360^\circ \times 1500$

=  $115.2/360 \times 1500 = 480$

Total peoples in Audi 5 and Audi 1 =  $(30 + 20)\%$  of 3500 = 1750

$\therefore$  Required % =  $480/1750 \times 100 = 27\%$  (approx)

### 119. Answer: A)

Number of males visiting Audi 4 =  $(39.6^\circ/360^\circ \times 1500) = 165$

20% of 165 = 33

Number of people visiting Audi 2 = 16% of 3500 = 560

$\therefore$  New Number of Audi 2 people =  $33 + 560 = 593$

### 120. Answer: E)

Total number of females in Audi 5, Audi 4 and Audi 3 = Total number of people – number of males =  $(30 + 22 + 12)\%$  of 3500 –  $(75.6 + 39.6 + 136.8)/360 \times 1500 = 2240 - 1050 = 1190$

$\therefore$  Required % =  $1190/3500 \times 100 = 34\%$

### 121. Answer: D)

Let the number of white balls in the bag be 'x'

According to question,

$${}^x C_2 / ({}^{18+x} C_2) = 7/100$$

$$x(x-1)/(18+x)(17+x) = 7/100$$

$$100(x^2 - x) = 7(x^2 + 35x + 306)$$

$$100x^2 - 100x = 7x^2 + 245x + 2142$$

$$93x^2 - 345x - 2142 = 0$$

$$93x^2 - 651x + 306x - 2142 = 0$$

$$93x(x-7) + 306(x-7) = 0$$

$$x = 7, -306/93$$

So, the number of white balls in the bag = 7

### 122. Answer: D)

Quantity of milk in the original mixture =  $500 \times 13/(13+x) = 6500/(13+x)$  ml

Quantity of water in the original mixture =  $500 \times x/(13+x) = 500x/(13+x)$  ml

According to question,

$$[0.8 \times 6500/(13+x) + 32]/[0.8 \times 500x/(13+x) + 18] = 8/7$$

$$7 \times [5200/(13+x) + 32] = 8 \times [400x/(13+x) + 18]$$

$$36400/(13+x) + 224 = 3200x/(13+x) + 144$$

$$(3200x - 36400)/(13+x) = 80$$

$$3200x - 36400 = 1040 + 80x$$

$$3120x = 37440$$

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

$$x = 12$$

Quantity of water in original mixture =  $13/25 \times 500 = 240$  ml

**123. Answer: B)**

Let speed of boat and stream be 'x' km/h and 'y' km/h respectively.

According to question,

$$(5x - 3y) = 7 \times (x - y)$$

$$5x - 3y = 7x - 7y$$

$$2x = 4y$$

$$x = 2y$$

$$\text{So, } 64/(x + y) + 64/(x - y) = 16/3$$

$$64/3y + 64/y = 16/3$$

$$4/3y + 4/y = 1/3$$

$$\text{So, } y = 16 \text{ km/h}$$

$$x = 32 \text{ km/h}$$

$$\text{Desired time} = 456/(16 + 32) = 456/48 = 9.5 \text{ hours}$$

**124. Answer: C)**

Let the number which is reversed be  $(10a + b)$ .

If the number is reversed then the number becomes =  $(10b + a)$

According to question,

$$10b + a - 10a - b = 7.2 \times 5$$

$$9(b - a) = 36$$

$$b - a = 4$$

So, the numbers can be 15, 26, 37, 48 and 59.

Since the numbers are multiple of 12.

Therefore, the number should be 48.

**125. Answer: E)**

Let present age of Aman and Raman be 'A' years and 'R' years respectively.

According to question,

$$(A + R)/2 = X/2$$

$$A + R = X \dots\dots\dots(1)$$

$$\text{And, } R = A + Y$$

$$R - A = Y \dots\dots\dots(2)$$

Adding equation (1) and (2), we get

$$2R = (X + Y)$$

$$R = (X + Y)/2$$

Subtracting equation (2) from equation (1), we get

$$2A = (X - Y)$$

$$A = (X - Y)/2$$

$$\text{And, } A \times R = (X + Y) \times (X - Y) \times (1/4) = 0.25 \times (X^2 - Y^2)$$

**126. Answer: A)**

**From statement I:**

Let the income of Virat's wife be Rs. x per month.

∴ According to the statement

$$\Rightarrow 0.05x = 975$$

$$\Rightarrow x = 19500/-$$

$$\therefore \text{Virat's income is } 70\% \text{ of } x = 19500 \times 70/100 = \text{Rs. } 13650$$

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

But Rohit's income can't be calculated from statement II and III.

∴ Statement I is sufficient to answer the question.

**127. Answer: A)**

Let distance travelled by slow train be x km in time 't',

**From statement I:**

Speed, 65 = distance/time = x/t

$$\Rightarrow t = x/65 \quad \text{----(1)}$$

for faster train, in same time 't',

Speed, 169 = distance/time = x/t

$$\Rightarrow t = (91 - x)/169 \quad \text{----(2)}$$

Equating (1) & (2),

$$\Rightarrow x/65 = (91 - x)/169$$

$$\Rightarrow 169x = 5915 - 65x$$

$$\Rightarrow 104x = 5915$$

$$\Rightarrow x = 56.875 \text{ km}$$

Putting in (1),

$$\Rightarrow t = x/65 = (5915/104)/65 = 35/(8 \times 5)$$

$$= 35/40 = 0.875 \text{ hr} = 0.875 \times 60 = 52.5 \text{ minutes.}$$

∴ only statement I is sufficient to answer the question.

**128. Answer: A)**

Let the invested amount be Rs. x

**From statement I:**

$$\Rightarrow SI = P \times r \times n/100$$

$$\text{Increase in rate of interest} = 58/3 - 44/3 = 14/3\%$$

Increase in SI because of increased rate of interest:

$$\Rightarrow x \times 14/3 \times 1/100$$

This increase = Increase in income = 2800

$$\Rightarrow x \times 14/3 \times 1/100 = 2800$$

$$\Rightarrow x = 280000 \times 3/14$$

$$\Rightarrow x = 60,000$$

**From statement II:**

$$\Rightarrow P = x$$

$$\Rightarrow SI = 2X$$

$$\Rightarrow 2x = x \times 20 \times 5/100$$

X cannot be calculated.

**From statement III:**

Since rate of interest is not given, we cannot calculate

From here x cannot be calculated

∴ Statement I alone is sufficient while statement II and III are not sufficient to answer the question.

**129. Answer: E)**

**From statement I:**

Nothing can be concluded from I.

**From statement II:**

If both pipes and a leak operate simultaneously, then 12 + 10 - 6 = 16 litre per minute.

$$\Rightarrow \text{Capacity of the tank} = 16 \times (5 \times 60 + 45) = 5520 \text{ litres}$$

**From statement III:**

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Let the leak drain out at the rate of  $x$  litre per minute.  
Then if both pipes and a leak operate simultaneously,  $12 + 10 - x = 22 - x$  litres per minute.

$$\Rightarrow \text{Capacity of the tank} = (22 - x)(5 \times 60 + 20)$$

$$\text{And again, capacity of the tank} = x(15 \times 60 + 20)$$

Equal both above equations to obtain the value of  $x$  i.e. 6 litre per minute. Now put it any of the above equation to obtain the capacity of the tank.

$\therefore$  Either of statements II or III would be sufficient to answer the question.

**130. Answer: B)**

**From statement II:**

Share of profit of P and Q will be in the ratio of 4 : 7

After two years,

Let the share of profit of Q be Rs.  $y$

$$\therefore 4/7 = 95000/y$$

$$\Rightarrow y = 95000 \times 7/4$$

$$\Rightarrow y = \text{Rs. } 166250$$

$\therefore$  Statement II alone is sufficient to answer.

**(131 – 135): Common Explanation:**

Table given below shows the Black and Red colour bikes sold by five different stores on two days:

Days/ Stores	Mon		Tue	
	Black	Red	Black	Red
<b>P</b>	60% of 45 = 27	45 - 27 = 18	52% of 25 = 13	25 - 13 = 12
<b>Q</b>	72% of 25 = 18	25 - 18 = 7	46% of 50 = 23	50 - 23 = 27
<b>R</b>	40% of 35 = 14	35 - 14 = 21	75% of 20 = 15	20 - 15 = 5
<b>S</b>	55% of 40	40 - 22	40% of 30	30 - 12

	= 22	= 18	= 12	= 18
<b>T</b>	35% of 20 = 7	20 - 7 = 13	36% of 50 = 18	50 - 18 = 32

**131. Answer: D)**

Total Black colour bikes sold by store P and Q together on Mon =  $27 + 18 = 45$

Total Red colour bikes sold by those two stores together on Tue =  $12 + 27 = 39$

$$\text{Required difference} = 45 - 39 = 6$$

**132. Answer: B)**

Total Black colour bikes sold by store Q on both the days together =  $18 + 23 = 41$

Red colour bikes sold by S and T together on Tue =  $18 + 32 = 50$

$$\text{Required per cent} = (41/50) * 100 = 82\%$$

**133. Answer: A)**

Total Red colour bikes sold by stores R, S and T together on Mon =  $21 + 18 + 13 = 52$

Total Red colour bikes sold by Q and R together on Tue =  $27 + 5 = 32$

$$\text{Required ratio} = 52 : 32 = 13 : 8$$

**134. Answer: B)**

Average number of black colour bikes sold on Mon by all the five stores together =  $(27 + 18 + 14 + 22 + 7)/5 = 17.6$

Average number of black colour bikes sold on Tue by all the five stores together =  $(13 + 23 + 15 + 12 + 18)/5 = 16.2$

$$\text{Required difference} = 17.6 - 16.2 = 1.4$$

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### 135. Answer: A)

Total number of Red colour bikes sold on Mon by all the five stores together =  $18 + 7 + 21 + 18 + 13 = 77$

Total number of Red colour bikes sold on Tue by all the five stores together =  $12 + 27 + 5 + 18 + 32 = 94$

Required difference =  $94 - 77 = 17$

### 136. Answer: E)

Let the radius of hemispherical toy be R cm.

Radius of the spherical toy = 10.5 cm

ATQ

$$4\pi(10.5)^2 - 2\pi R^2 = 49\pi$$

$$R = 14$$

$$\text{Required difference} = 3\pi(14)^2 - 4\pi(10.5)^2 = 147\pi \text{ cm}$$

### 137. Answer: C)

Volume of the given cubical toy =  $9261 \text{ cm}^3$

$$\text{Wasted volume} = \frac{100}{49} \times \frac{1}{100} \times 9261 = 189 \text{ cm}^3$$

$$\text{Volume left to make new cubical toy} = 9261 - 189 = 9072 \text{ cm}^3$$

Side of the new cubical toy = 24 cm

$$\text{Total surface area of the new cubical toy} = 3456 \text{ cm}^2$$

### 138. Answer: D)

Let the radius of cylindrical toy be 8x cm

Then height of cylindrical toy = 7x cm

$$\text{Volume of cylindrical toy} = \pi r^2 h = 4752 \text{ cm}^3$$

$$x = 1.5$$

Radius of cylindrical toy = 12 cm and height of cylindrical toy = 10.5 cm

$$\text{Volume of hemispherical toy} = \frac{2}{3}\pi r^3 = 2425.5 \text{ cm}^3$$

$$\text{CSA of cubical toys} = 4a^2 = 1764$$

$$a = 21 \text{ cm}$$

$$\text{Volume of cubical toy} = 9261 \text{ cm}^3$$

$$\text{Required difference} = 6835.5 \text{ cm}^3$$

### 139. Answer: B)

Let the radius and height of the conical toy be 4x cm and 3x cm respectively.

Then slant height = 5x cm

ATQ

$$\text{CSA of conical toy} = \pi r l$$

$$\text{Now, } \frac{22}{7} \times 4x \times 5x = 3080$$

$$x = 7$$

Radius and height of the conical toy are 28 cm and 21 cm respectively

$$\text{Volume of conical toy} = 17248 \text{ cm}^3$$

$$\text{Total molten volume} = 22000 \text{ cm}^3$$

$$\text{Total volume of 8 small hemispherical toys} = 8 \times \frac{2}{3} \times \pi \times 10.5 \times 10.5 \times 10.5 = 19404 \text{ cm}^3$$

$$\text{Required value of } x = 22000 - 19404 = 2596 \text{ cm}^3$$

### 140. Answer: D)

$$\text{CSA of spherical toy} = 5544 \text{ cm}^2$$

$$\text{Radius of spherical toy} = 21 \text{ cm}$$

$$\text{Radius of a new spherical toy} = 10.5 \text{ cm}$$

$$\text{Volume of the new spherical toy} = 4851 \text{ cm}^3$$

$$\text{CSA of the cubical toy} = 4(\text{side})^2 = 1764 \text{ cm}^2$$

$$\text{Side of the cubical toy} = 21 \text{ cm}$$

$$\text{Volume of the cubical toy} = 9261 \text{ cm}^3$$

$$\text{Required difference in volume} = 4410 \text{ cm}^3$$

141. C

Indian Olympic Association (IOA) has withdrawn its threat to boycott the 2022 Commonwealth Games in Birmingham over Shooting's exclusion.

142. A

The Uttar Pradesh State Road Transport Corporation (UPSRTC) has launched a dedicated women helpline, 'Damini'

143. E

The Central Bank of Sri Lanka has permitted Indian private sector lenders Axis Bank and ICICI Bank to close their operations in the island nation

144. B

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

India under Narendra Modi is the fifth biggest geopolitical risk of 2020, said Eurasia Group, world's leading political risk consultancy

145. A

The RBI has amended the KYC norms allowing banks and other lending institutions regulated by it to use Video based Customer Identification Process (V-CIP), a move which will help them onboard customers remotely

146. D

National Crime Record Bureau's (NCRB) report on Crime in India for the year 2018 was released. The report stated that Uttar Pradesh(UP) accounted for the maximum number of economic offences in 2018 with 22,822 cases recorded. It was followed by Rajasthan (21,309 cases), Maharashtra (14,854 cases), Telangana (10,390 cases) and Bihar (9,209 cases) in the 2nd, 3rd, 4th and 5th rank respectively.

147. A

Eminent Agricultural Scientist Dr M S Swaminathan has been selected as the 1st recipient of the Muppavarapu Venkaiah Naidu National Award for Excellence.

148. E

Ibrahim Mohamed Solih, President of the Maldives announced that Maldives has once again become a member of the Commonwealth family after the meeting between Abdullah Shahid, Foreign Minister of Maldives & Patricia Scotland, Secretary General of the Commonwealth. The Maldives became the 54th family member of the Commonwealth family.

149. D

Madhya Pradesh has bagged the first position for the implementation of Pradhan Mantri Matru Vandana Yojana.

150. C

60-year-old pharmacy worker Mo O'Brien has become the first deaf person on record to row across the Atlantic Ocean by finishing a 3,000-mile journey, with her daughter Bird Watts, and their friend Claire Allinson and reached finish line.

151. B

FCCB- Foreign Currency Convertible Bond

152. D

Dharamshala is the winter capital of Himachal Pradesh. Dharamshala is a city in the Indian state of Himachal Pradesh. Surrounded by cedar forests on the edge of the Himalayas, this hillside city is home to the Dalai Lama and the Tibetan government-in-exile.

153. A

As per the revised plan, the first supercomputer assembled indigenously, called Param Shivay, was installed in the Indian Institute of Technology (BHU). It was inaugurated by the Prime Minister.

154. B

Thomas Bach was elected President of the IOC on 10 September 2013, as the successor to Jacques Rogge, at the 125th IOC Session in Buenos Aires.

155. E

Indian Institute of Management (IIM) Bangalore or IIMB has claimed the third spot in MOOCLab's Business School Rankings 2020 for its provision, design and delivery of Massive Open Online Courses (MOOCs).

156. C

Micro ATM are card swiping machines through which banks can remotely connect to their core banking system

157. A

158. D

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

World Consumer Rights Day is observed on 15 March. The consumer movement marks 15 March with World Consumer Rights Day every year. The day aims to raise global awareness about consumer rights and needs.

159. B

The headquarters of the South Asian Association for Regional Cooperation (SAARC) located in Kathmandu, Nepal.

160. A

Khelo India University Games 2020 was held for the first time at Kalinga Institute of Industrial Technology (KIIT) University, Bhubaneswar, Odisha. The games were held from 22 February to 1 March 2020.

161. C

Moral Hazard is a risk that occurs when a bank or large financial institution takes risks knowing that someone will have to face the burden of those risks

162. E

To commemorate the birth anniversary of independence activist, Sarojini Naidu (also named Nightingale of India), every year India observes February 13 as its National Women's day. She was born in 13 February 1879 in Hyderabad British India (now in Telangana, India). It should be noted that the International Women's Day is observed on 8th March annually.

163. B

The Kingdom of Saudi Arabia assumed the G20 Presidency in December 2019. G20 Riyadh Summit will be chaired by the Saudi King, Salman bin Abdulaziz.

164. E

The Interest rate on public provident fund (PPF) scheme has been lowered to 1% (revised to 7.1%) for Q1FY 20-

21 which is the lowest interest rate offered since 1977 or lowest in 43 years.

165. B

A 20-year-old US born Swedish based Pole vaulter Armand Duplantis has broken his own pole vault world record(6.17m) by clearing 6.18 m at the Indoor Grand Prix in Glasgow, Scotland. Prior to that French vaulter Renaud Lavillenie(2014) has set a record of 6.16 m.

166. B

Microsoft India and NASSCOM Foundation announced an "Innovate for an Accessible India campaign" to empower persons with disabilities (PwDs).

167. B

168. A

Philip Warren Anderson, a Nobel Prize- winning physicist who expanded the world's understanding of magnetism, superconductivity and the structure of matter, passed away at the age of 96 in Princeton, New Jersey, US (United States).

169. C

The govt has announced to set up country's 1st war memorial for service animals such as dogs, horses, mules in Meerut, Uttar Pradesh(UP).

170. D

171. A

Prime Minister Narendra Modi appealed to the people of the country to stay in the house with self observance of Janta Curfew. It was not a ban imposed by the government or the administration, but a decision taken by the people, for the people. The impact of this appeal was seen across the country on March 22, 2020.

172. A

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

Indian government will provide 107.01 million Nepali Rupees for three new school buildings in Nepal. Embassy of India and Nepal's Ministry of Federal Affairs and General Administration signed Memorandum of Understandings (MoUs) with Mahakali Municipality, Darchula, and Mukhiyapatti Musharniya Rural Municipality, Dhanusha in Kathmandu today for the construction of two new school buildings.

173. B

Karur Vysya Bank has launched Enkasu, a pre-paid card in Karur. In response to the digital initiative of the Government of India, the bank undertook a Quit Cash Movement in Karur - a movement to reduce the usage of cash in the district of Karur.

174. E

Former managing director (MD) and chief executive officer(CEO) of Punjab National Bank (PNB), Sunil Mehta, took over as the Chief Executive Officer (CEO) of the Indian Banks' Association (IBA). Mehta will replace VG Kannan, who resigned from office as chief executive of IBA on December 31, 2019.

175. B

The 13-year old Young Indian Grandmaster (Youngest GM of India) Dommaraju Gukesh emerged as champion in the 34th Cannes Open 2020 chess tournament held at Cannes, France by beating Harutyun Bargeshyan from France in the Final round and secured a total of 7.5 points.

176. A

The chief of Brahmakumaris Sansthan, Rajyogini Dadi Janki, passed away at the age of 104 due to prolonged illness on 27 March. GoI appointed Janki as the brand ambassador of Swachh Bharat Abhiyan (Clean India Mission) because of her work in the field of maintaining cleanliness.

177. E

The government has tested an application named, Geo-fencing app to trigger emails and SMS alerts to an authorised government agency, if a person has jumped quarantine or has escaped from isolation, based on the person's mobile phone's cell tower location.

178. A

179. C

The President of Brazil Jair Messias Bolsonaro was the chief guest for the Republic Day celebrations and attended the Parade ceremony at Rajpath in New Delhi along with Indian Prime Minister Shri Narendra Modi, President Ram Nath Kovind along with other leaders.

180. C

National Crime Record Bureau's (NCRB) report on Crime in India for the year 2018 was released. The report stated that Uttar Pradesh(UP) accounted for the maximum number of economic offences in 2018 with 22,822 cases recorded. It was followed by Rajasthan (21,309 cases), Maharashtra (14,854 cases), Telangana (10,390 cases) and Bihar (9,209 cases) in the 2nd, 3rd, 4th and 5th rank respectively.

181. D

Union Sports Minister Kiren Rijiju has unveiled the 5 host cities for the FIFA Under-17 Women's Football World Cup 2020 which includes Ahmedabad, Bhubaneswar, Guwahati, Kolkata and Navi Mumbai.

182. D

183. E

The joint military exercise "Native Fury 20" between the UAE and the United States has concluded.

184. D

## SBI Clerk Mains 2020 - Model Question Paper | Practice Mock PDF (Set-1)

Supratim Bandyopadhyay was appointed as chairman of the PFRDA (Pension Fund Regulatory and Development Authority).

185. E

Cash reserve ratio (CRR) is the percentage of total deposits that bank mandatorily park with the apex bank. It stands at 4 percent of a bank's total deposit.

186. D

Two of the most popular types of Swaps are 'Interest Rate Swaps' and 'Currency Swaps.' These derivatives are traded between financial institutions and not retail investors.

187. B

188. E

Beti Bachao Beti Padhao Scheme was launched by the Prime Minister Narendra Modi on 22 January 2015 at Panipat, Haryana. The program addressed the declining Child Sex Ratio (CSR) and the related issues of empowerment of women.

189. C

Sanjay Kothari, the Secretary to the President, has been selected as the new Chief Vigilance Commissioner.

190. A

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