

Mixed DI Questions for IBPS PO Prelims

 **Guidely Xpress Video Package**
Subscribe Now to Get Unlimited Access

Complete Package for Bank Exams | **IBPS RRB / IBPS PO 2020**

Recorded Video Course + Exam wise Live Classes + Complete Mock Test Series

- ✓ 1200+ Mock Tests for Bank, Insurance, Railway and SSC
- ✓ 500+ Videos for Bank and Insurance Exams
- ✓ 350+ Hours Video Classes (Individual Live Classes)
- ✓ Personal Guidance in Telegram Group
- ✓ Life Time Validity
- ✓ Access on Mobile & Desktop



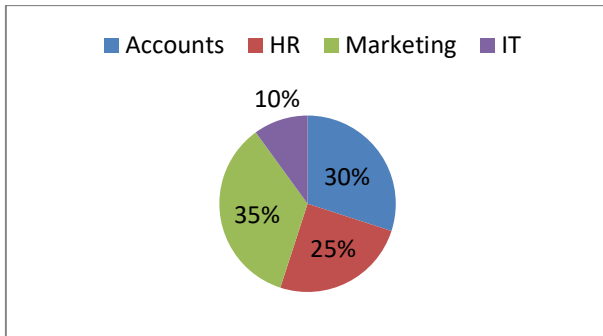
Mixed DI

Direction (1-5) Study the charts and answer the question.

Total number of employees = 3600. Percentage of employees working in different department is given in the pie chart. Percentage of female in respective departments is given in the table.



Mixed DI Questions for IBPS PO Prelims



1. What is the total number of females working in HR and IT departments together?

- a.678
- b.789
- c.670
- d.768
- e.738

2. How many males work in the IT department?

- a.132
- b.144
- c.168
- d.162
- e.156

3. What is respective ratio of number of males working in HR department to the number females in marketing department?

- a.18:13
- b.11:18
- c.20:21

Departments	Percentage of female
Accounts	40%
HR	60%
Marketing	30%
IT	55%

d.17:21

e.17:18

4. What is the difference of total male in all departments of the company and the total number of female in Accounts, HR, and IT departments together?

- a.789
- b.882
- c.567
- d.890
- e.568

5. Number of male in IT department is what percent of the number of female in marketing department?

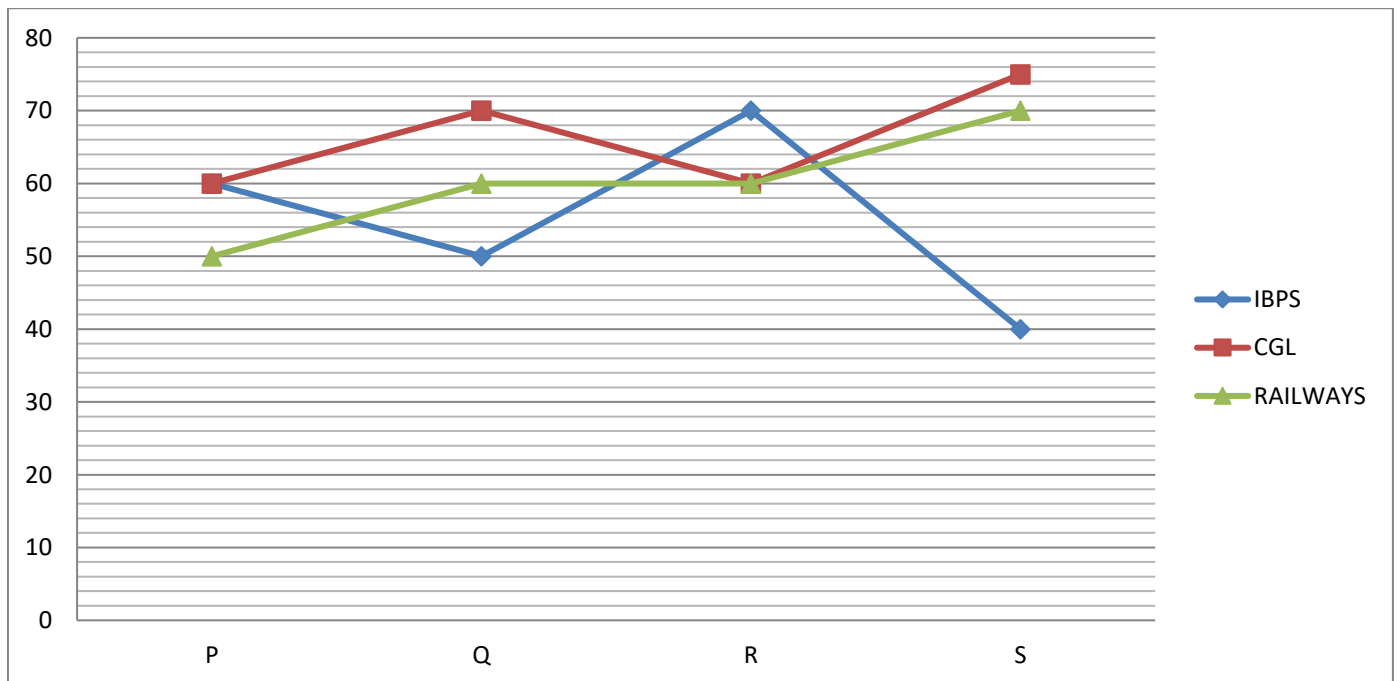
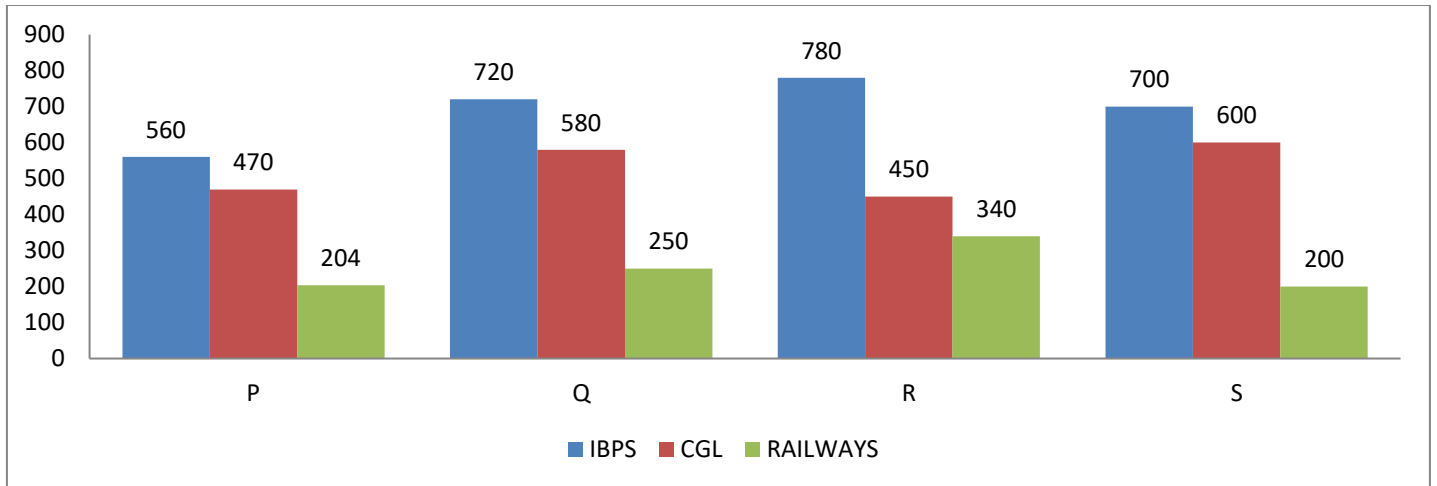
- a.42.85
- b.85.23
- c.53.32
- d.41.23
- e.56.23



Mixed DI Questions for IBPS PO Prelims

Direction (6-10) Study the charts and answer the question.

Number of candidates appearing three different exams from four different cities given in bar graph and percentage of student passed the exams given in line graph.



Mixed DI Questions for IBPS PO Prelims

6. Number of candidates who passed IBPS from state P was approximately what percent of number of candidates who passed Railways from S?

- a.232
- b.231
- c.261
- d.245
- e.240

7. What is the respective ratio between the number of candidates who appeared for CGL from R and the number of candidates who passed in Railways from R?

- a.23:79
- b.53:89
- c.55:57
- d.75:34
- e.23:97

8. What is the total number of candidates passed from Q in all the exams?

- a.234

b.768

c.916

d.456

e.780

9. What is the difference between the total number candidates passed CGL from Q and R together and the total number candidates passed Railways from P and S together?

a.456

b.434

c.678

d.567

e.345

10. What is number of candidates passed Railways exams from all the state together?

a.596

b.567

c.467

d.460

e.356

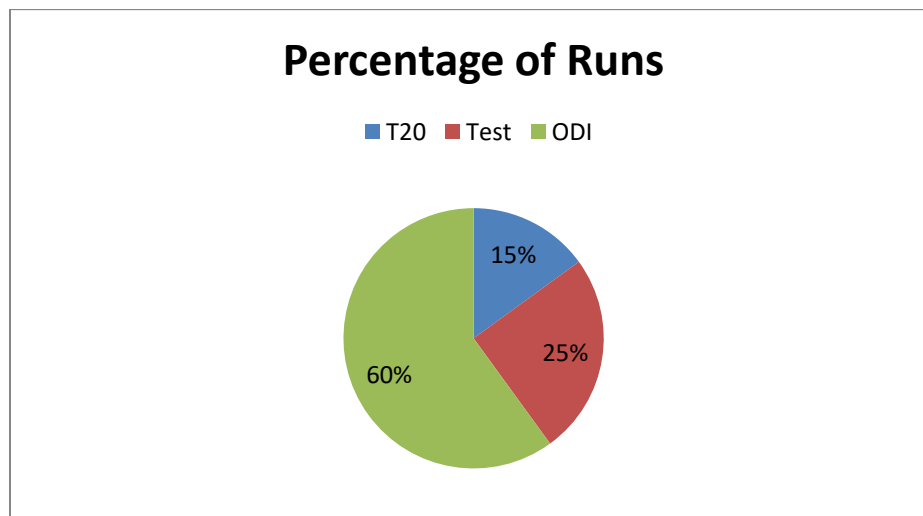
Direction (11-15) Study the graphs and answer the question.

Percentage distribution of runs score by M S Dhoni in three formats T20, Test, and ODI is given in Pie chart. Total runs (T20+Test+ODI) score by M S Dhoni is 18000.

In table ratio between runs score in India and the outside of India is given.



Mixed DI Questions for IBPS PO Prelims



	runs score in India : runs score outside of India
T20	4:5
Test	8:7
ODI	7:5

11. What is respective ratio between the runs score in India in T20 format and the runs score in outside of India in Test format?

- a.3:2
- b.4:5
- c.1:2
- d.9:2
- e.4:7

12. Runs score in India in ODI format is what percent of runs score in India in T20 format?

- a.345%
- b.123%
- c.567%
- d.525%
- e.569%

13. What is average runs score outside of India in all three formats?

- a.2100
- b.2400
- c.2700
- d.2000
- e.2345

14. Runs scores in Test formats is what percent more than the runs score in T20 formats?

- a.55%
- b.66.66%
- c.33.33%
- d.70%
- e.88.88%

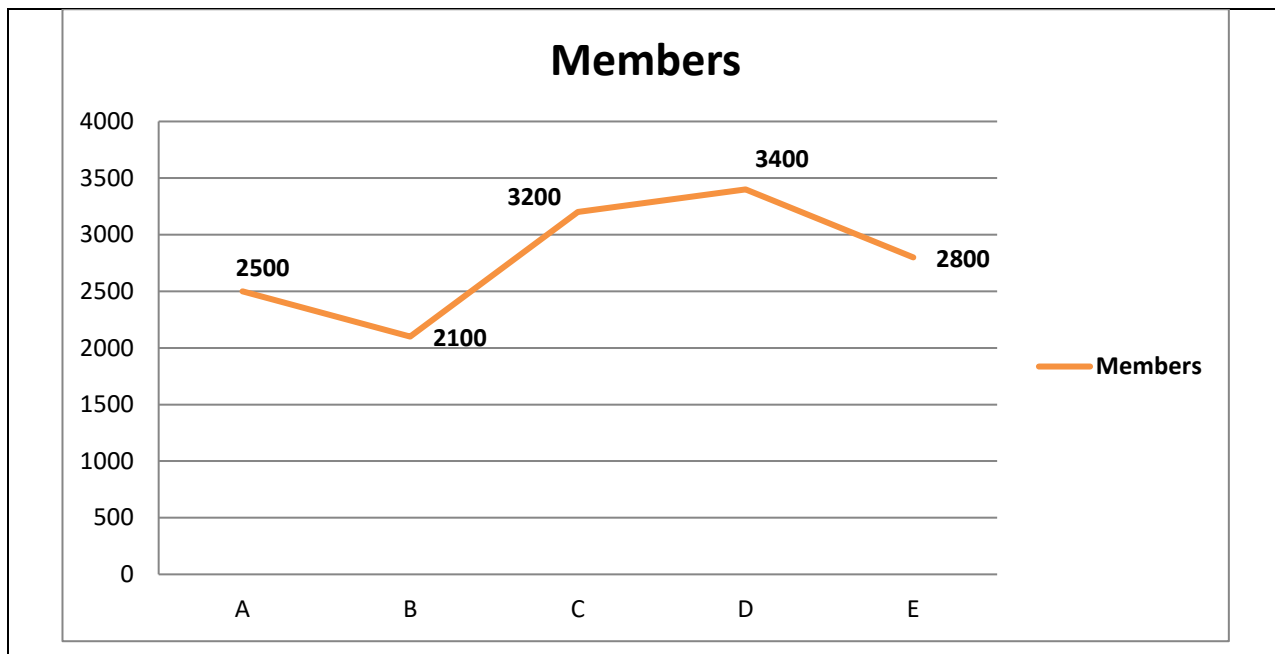


Mixed DI Questions for IBPS PO Prelims

15. What is difference between the runs score in ODI in outside of India and the runs score in test in outside of India?
- a.2400 b.2350
c.1400 d.4300
e.2100

Direction (16-20) Study the graphs and answer the question.

The following line graph shows the total number of Members in five different parties. And the Table shows the percentage of the females out of the total members in each Party.



Party	Percentage of female
A	40%
B	71.42%
C	62.5%
D	60%
E	42.85%

Note: Take approximate value which is

16. Find the ratio of the total number of members of A and B together to the total number of female members of C and E together?

derived from the Table

- a.21:23
b.23:29
c.17:19
d.17:29



Mixed DI Questions for IBPS PO Prelims

e.23:16

17. Find the difference between the number of male members of A and the number of the female members of D?

- a.132
- b.234
- c.256
- d.140
- e.123

18. Total number of male members of A and E is approximately what percent of the total number of female members of B and D?

- a.66.66%. b.71.23%. c.87.57%. d.78.89%. e.71.34%

19. What is average of the number of male members of A, C, and E?

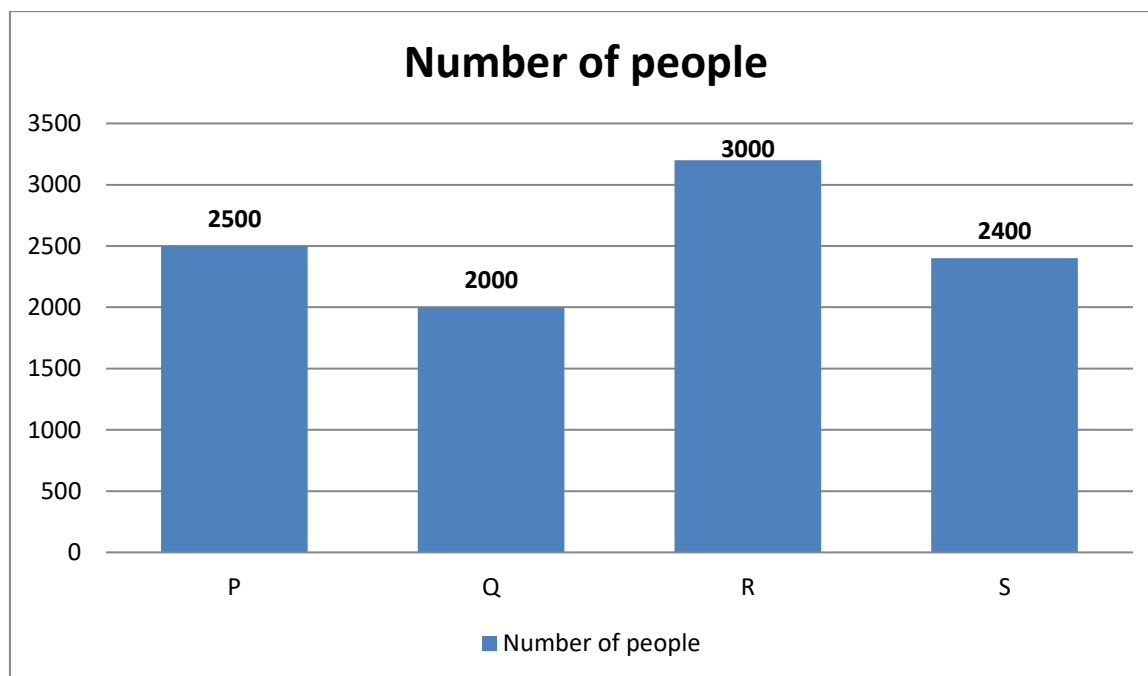
- a.1234.66. b.1433.33. c.1221.11. d.1123.33. e.1890.33

20. The numbers of male members of C is what percent more or less than the male numbers of B?

- a.100%. b.34.56%. c.36.87%. d.78.56%. e.60%

Direction (21-25) Study the graphs and answer the question.

Bar-graph shows the number of people in five different cities and table shows the percentage of male in five cities and the ratio of literate and illiterate people in five different cities.



City	Percentage of males	Literate : Illiterate
------	---------------------	-----------------------



Mixed DI Questions for IBPS PO Prelims

P	60%	2:3
Q	50%	3:1
R	40%	5:1
S	30%	2:1

21. Literate people from city P is what percent more than the illiterate people from city Q?

a.70%. b.45%. c.60%. d.50%. e.100%

22. Find the ratio of between the numbers of female from city R to the number of male from city S?

a.1:2. b.2:3. c.5:9. d.5:2. e.2:1

23. What is the average of literate people in five cities?

a.1692. b.1420. c.1650. d.1120. e.1320

24. What is the ratio of total females from city S and T to the total illiterate males from city P and city R?

a.2:3. b. Cannot be determine. c.4:5. d.7:2. e.4:9

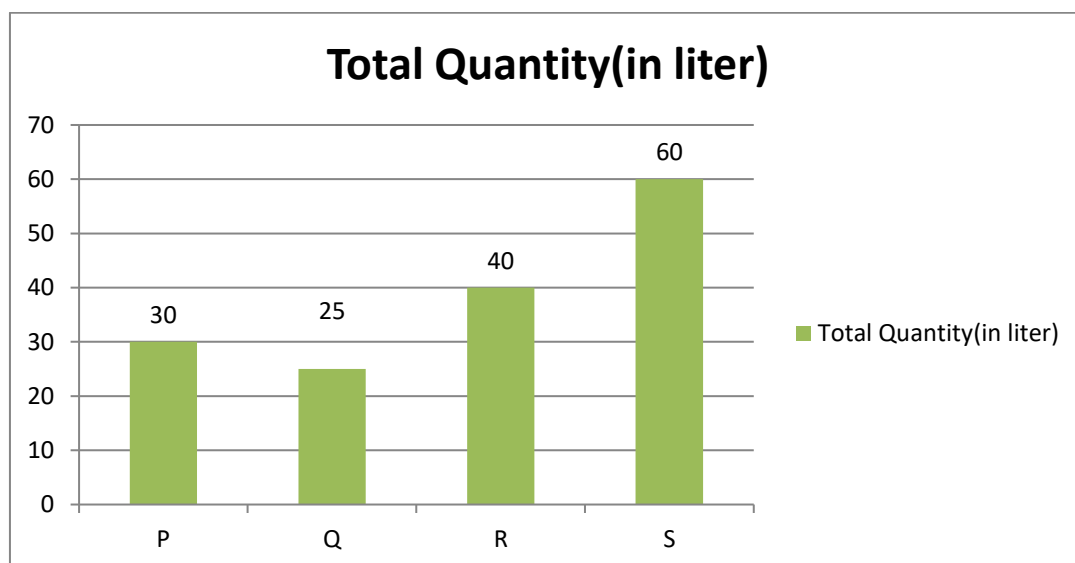
25. Find the difference between number of female from city Q and number of male from city R?

a.200. b.450. c.310. d.250. e.220

Direction Q (26-30) – Study the graphs and answer the flowing question.

Four containers has different amount (in liter) mixture (milk +water).

Bar graphs shows the total amount of mixture and table graph show the ratio of milk and water in respective container.



Mixed DI Questions for IBPS PO Prelims

Container	Ratio of milk and water
P	2:1
Q	4:1
R	5:3
S	3:2

26. In container P, how much water should be added to it so that the ratio of milk and water becomes 2:3?

- a.20
- b.23
- c.29
- d.21
- e.19

27. In container Q, 5 liter water is added to the mixture. What is the new ratio of water and milk?

- a.5:6
- b.3:5
- c.2:1
- d.1:2
- e.3:2

28. 60% of mixture R and 40% of mixture P is mixed together in containers T. what is the ratio of milk and water in container T?

- a.7:11
- b.5:4

c.23:13

d.17:11

e.13:29

29. What is the difference of amount of Milk in container S and container R?

- a.9
- b.11
- c.19
- d.18
- e.13

30. 50% of mixture S taken out and 2 liter water added to the mixture. What is the new ratio of milk and water?

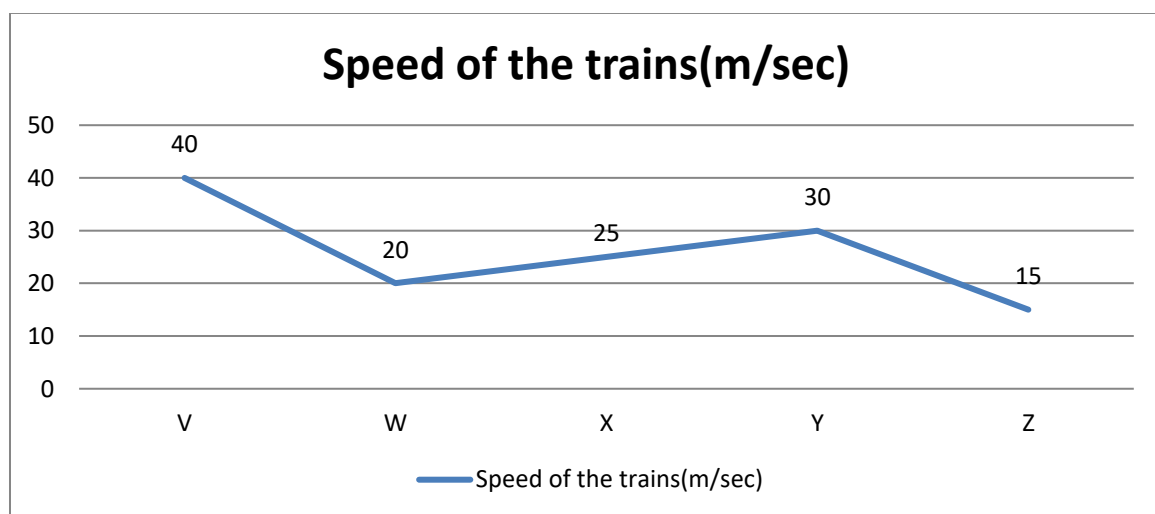
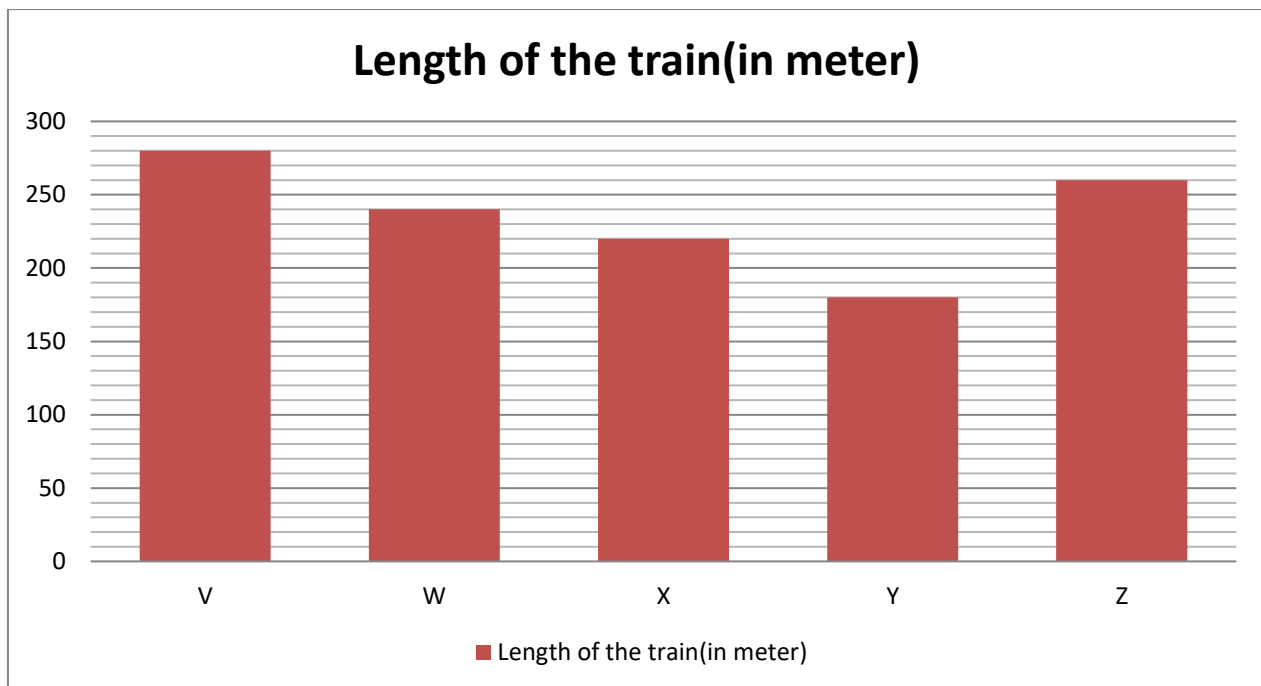
- a.9:7
- b.7:3
- c.3:5
- d.3:2
- e.7:9

Direction Q (31-35) Study the charts and answer the questions.

Length (in meter) of five trains given in bar graph and line graph shows the speed (m/sec) of those trains.



Mixed DI Questions for IBPS PO Prelims



31. Train V and train W is running towards each other. In how many sec they cross each other?

- a.12
- b.16
- c.14

- d. $6 \frac{3}{4}$
- e. $8 \frac{2}{3}$

32. Train Z cross a platform in 30 sec. How much time train Y needs to cross the same platform?

- a.6



Mixed DI Questions for IBPS PO Prelims

- b.9
- c.8.44
- d.12.33
- e.3

33. Train X cross bridge A in 16 sec and Train W cross bridge B in 20 sec. then find the difference of length of bridge A and bridge B?

- a.30
- b.45
- c.20
- d.29
- e.32

34. Train Y and Train Z running in same direction.

In how many sec they pass one another?

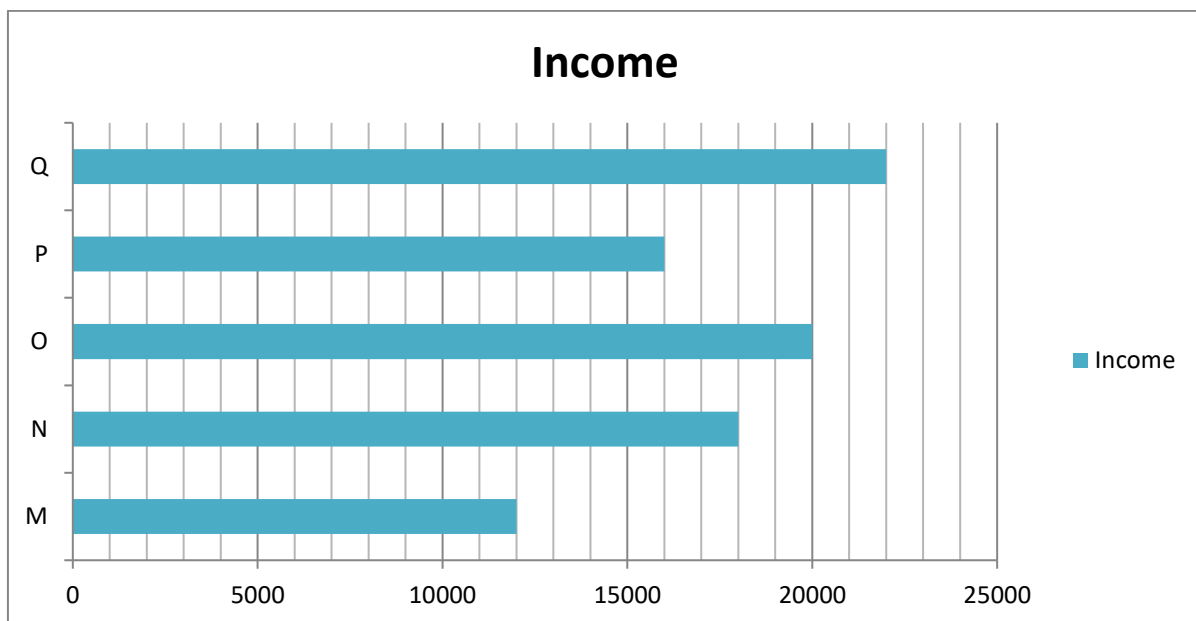
- a.32.3
- b.29.33
- c.19
- d.25
- e.21.3

35. What is average length of train V, X and Z?

- a.233.3
- b.256.12
- c.245
- d.250
- e.213.3

Direction Q (36-40) – Study the graphs and answer the flowing question.

Total monthly income of five persons is given in bar graphs and in table ratio of expenditure in food, rent, and bill is given.



Mixed DI Questions for IBPS PO Prelims

Person	Food : Rent : Bill
M	2:3:1
N	3:4:2
O	5:4:1
P	3:2:3
Q	5:4:2

36. Find the ratio between the amounts spends in rent by M and the amounts spend in rent by N?

- a.1:1
- b.3:2
- c.2:1
- d.5:4
- e.3:4

37. What is the average amount spends in bill by O, P and Q together?

- a.2346
- b.1234
- c.3400
- d.4000
- e.2340

38. What is the difference between the total amounts spend by N in food and bill and the total amounts spend by P in food and bill?

- a.1800

b.2400

c.2000

d.2100

e.2222

39. Amount spend by P in rent is what percent of the amount spend by M in bill?

- a.120%
- b.200%
- c.130%
- d.122%
- e.145%

40. Amount spend by Q in food is what percent more or less than the amount spend by P in rent?

- a.150%
- b.120%
- c.180%
- d.210%
- e.235%

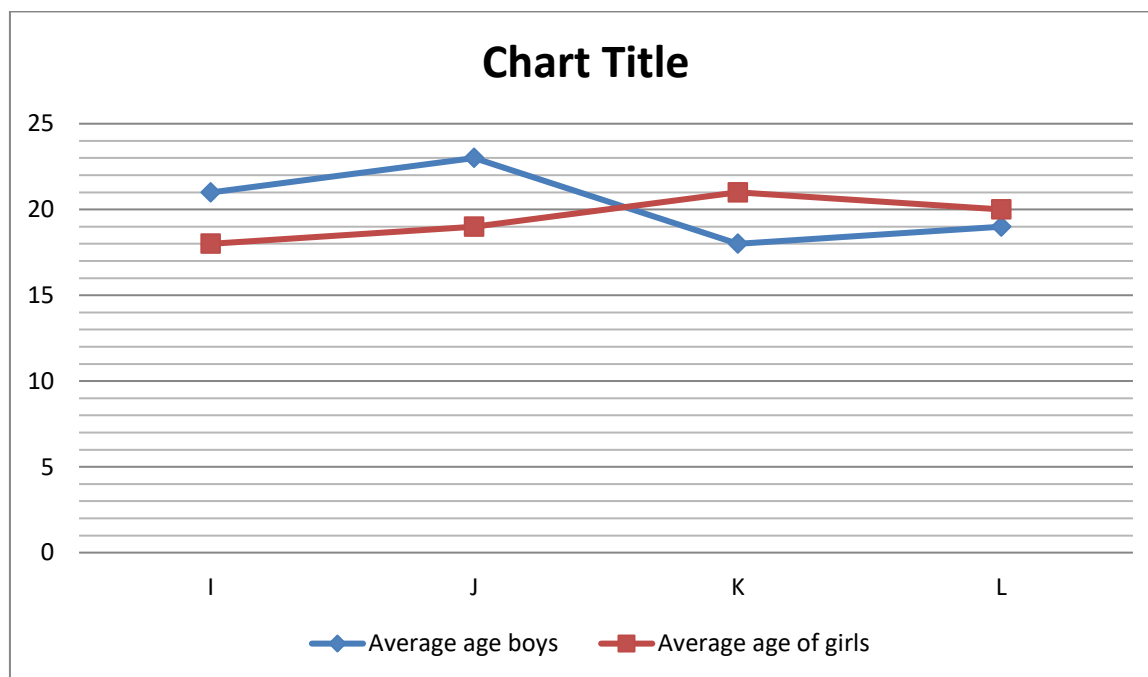
Direction Q (41-45) Study the graphs and answer the following question.

In table total number of student in five classes and ratio of number of boys and girls is given and in line graphs average age boys and girls in respective class is given.



Mixed DI Questions for IBPS PO Prelims

Class	Total student	Boys : Girls
I	60	7:5
J	45	4:5
K	35	5:2
L	55	6:5



41. What is the average age of total students of class

I?

- a.14.36
- b.21.32
- c.12.32
- d.23.3
- e.19.75

42. What is the difference between total age of all the boys in class K and the total age of girls in class J?

a.35

b.29

c.12

d.25

e. 21

43. Number of boys in class L is what percent of number of boys in class I?

a.44.22%

b.74.32%

c.85.71%

d.66.66%



Mixed DI Questions for IBPS PO Prelims

e.33.33%

44. What is the ratio of total age of the class J and total age of the class L?

a.290:233

b.187:214

c.212:231

d.239:213

e.235:234

45. What is the total no of girls in all the class together?

a.85

b.65

c.78

d.67

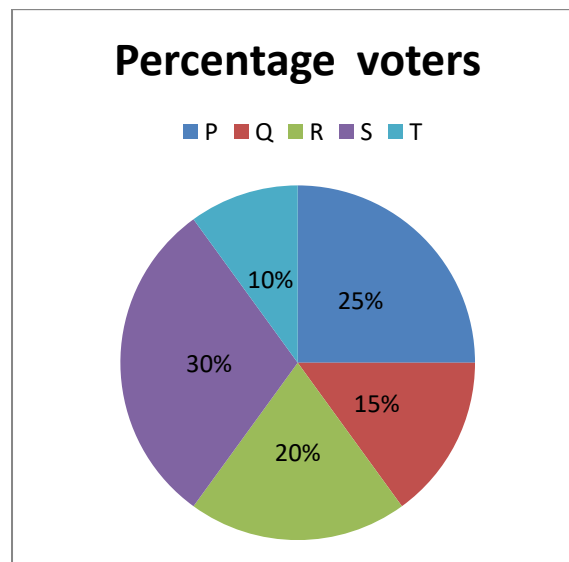
e. 56

Direction Q (46-50) - Study the pie charts and answer the flowing question.

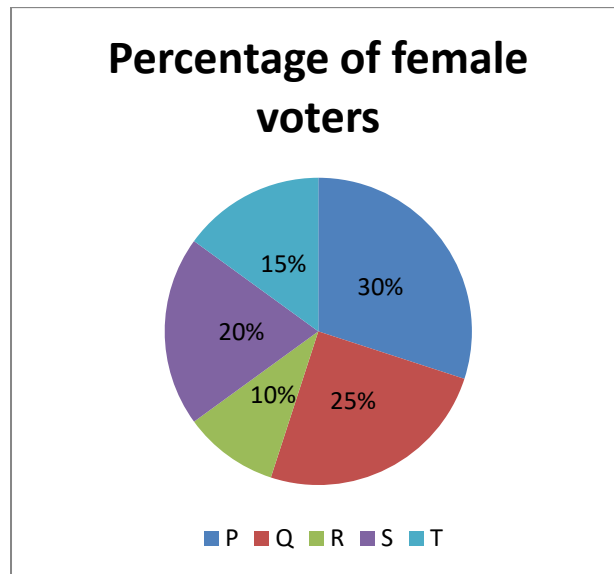
Distributions of total number of voters from five different cities and distribution of female voters from total female among these cities is given.

Total number of voters =24000

Ratio of males and females =7:5



Mixed DI Questions for IBPS PO Prelims



46. The number of male voter in city P is what percent of total number of voter in the same city?

- a.32%
- b.40%
- c.55%
- d.60%
- e.50%

47. What is average number of female voters in city R, S, T?

- a.2400
- b.2100
- c.1800
- d.1500
- e.1200

48. What is ratio of male voter of city R to the female voter of city T?

- a.5:39
- b.3:4

c.38:15

d.65:17

e.32:31

49. What is the difference of total number female voters of city Q and T?

- a.2300
- b.1000
- c.2100
- d.1600
- e.1200

50. The number of male voter of Q is what percent of male voter of S?

- a.21.15%
- b.25%
- c.33.33%
- d.14.28%
- e.16.67%



Mixed DI Questions for IBPS PO Prelims

Mixed DI - Answer and Detailed Explanation

Solution (1-5):-

Common Explanation-

Total number of employee in the company is 3600.

30% of total employee is on accounts department.

So, total employee in accounts department is $3600 \times 30 / 100 = 1080$.

Out of the total employee 40% is female in accounts departments.

So female employee in accounts is $1080 \times 40 / 100 = 432$

Now male employee in accounts department is $1080 - 432 = 648$.

Like this way we can calculate number of male, female employee of other department also which is given in the table.

Department	Total employee	Number of female	Number of male
Accounts	$3600 \times 30 / 100$ =1080	$1080 \times 40 / 100$ =432	$1080 - 432$ =648
HR	$3600 \times 25 / 100$ =900	$900 \times 60 / 100$ =540	$900 - 540$ =360
IT	$3600 \times 10 / 100$ =360	$360 \times 55 / 100$ =198	$360 - 198$ =162
Marketing	$3600 \times 35 / 100$ =1260	$1260 \times 30 / 100$ =378	$1260 - 378$ =882

1. Answer : E

Total female in HR and IT department is
 $540 + 198 = 738$

2. Answer : D

Total number of employee in IT department is
 $= (3600 \times 10) / 100 = 360$
Number of female is $360 \times 55 / 100 = 198$

So, number of male is $360 - 198 = 162$

3. Answer : C

Respective ratio

= (number of male in HR department: number of female in marketing department)
 $= 360 : 378$ [value from the table]
 $= 180 : 189 = 20 : 21$



Mixed DI Questions for IBPS PO Prelims

4. Answer : B

Total male in all the department is =

$$(648+360+162+882) = 2052$$

Total female in accounts, HR, IT is =

$$(432+540+198) = 1170$$

So the respective difference is $(2052-1170) = 882$

5. Answer: A

So the required percentage is =

$$(162/378) * 100 = 42.85\%$$

Solution (6-10)

Common explanation

	IBPS		CGL		Railways	
	Appeared	Number student passed	Appeared	Number of student passed	Appeared	Number of student passed
P	560	$560 * 60 / 100$ 336	470	$470 * 60 / 100$ 282	204	$204 * 50 / 100$ 102
Q	720	$720 * 50 / 100$ 360	580	$580 * 70 / 100$ 406	250	$250 * 60 / 100$ 150
R	780	$780 * 70 / 100$ 546	450	$450 * 60 / 100$ 270	340	$340 * 60 / 100$ 204
S	700	$700 * 40 / 100$ 280	600	$600 * 75 / 100$ 450	200	$200 * 70 / 100$ 140

6. Answer: E

So the required percentage is $(336/140) * 100 = 240\%$

7. Answer: D

Number of candidates appeared from R in CGL is 450

Number of candidates passed from R in Railways is 204

So required ratio is = $450:204 = 75:34$

8. Answer: C

Total Number of candidates passed from Q is
 $= 360 + 406 + 150 = 916$

9. Answer: B

Total number of candidates passed from Q and R in CGL
 is = $406 + 270 = 676$

Total number of candidates passed from P and S in SBI
 is = $102 + 140 = 242$



Mixed DI Questions for IBPS PO Prelims

So the difference is = $676 - 242 = 434$

10. Answer: A

Solution (11-15)

Common explanation

Runs score by M S Dhoni in T20 format is = $18000 * 15 / 100 = 2700$

In T20 format out of the total runs score in India is = $2700 * 4 / 9 = 1200$

Runs score in outside of India in T20 format is = $2700 * 5 / 9 = 1500$

Others formats runs also calculate in same way are given in the table.

Format	Total runs	Runs in India	Runs in outside of India
T20	$18000 * 15 / 100$ =2700	$2700 * 4 / 9$ =1200	$2700 * 5 / 9$ =1500
ODI	$18000 * 60 / 100$ =10800	$10800 * 7 / 12$ =6300	$10800 * 5 / 12$ =4500
TEST	$18000 * 25 / 100$ =4500	$4500 * 8 / 15$ =2400	$4500 * 7 / 15$ =2100

11. Answer: E

So the respective ratio is

= (runs score in India in T20 format: runs score in outside of India in Test format)

= $1200 : 2100$ [value taken from the table]

= $4 : 7$

12. Answer: D

Runs score in India in ODI format is 6300

Runs score in India in T20 format is 1200

So the required percentage is $(6300 / 1200) * 100 = 525\%$

13. Answer: C

Solution (16-20)

Total number of candidates passed Railways is =

$102 + 150 + 204 + 140 = 596$

Total runs score in outside of India is

= $(1500 + 4500 + 2100) = 8100$

So the average runs score in outside of India is

= $8100 / 3 = 2700$

14. Answer b

Runs score in outside of India in Test is 2700

Runs score in outside of India in ODI is 4500

So ODI $(4500 - 2700) = 1800$ score than Test format.

So the required percentage = $(1800 / 2700) * 100 = 66.66\%$

15. Answer a

So the respective difference is $4500 - 2100 = 2400$



Mixed DI Questions for IBPS PO Prelims

Common explanation

Total members in party A is 2500

Number of female members in party A is $(2500 \times 40/100) = 1000$

Number of male members in party A is $(2500 - 1000) = 1500$

Like same way we can calculate the other parties also which is given in table.

Party	Total members	Female members	Male members
A	2500	$2500 \times 40/100$ =1000	$2500 - 1000$ =1500
B	2100	$2100 \times 71.42/100$ =1500	$2100 - 1500$ =600
C	3200	$3200 \times 62.5/100$ =2000	$3200 - 2000$ =1200
D	3400	$3400 \times 60/100$ =2040	$3400 - 2040$ =1360
E	2800	$2800 \times 42.85/100$ =1200	$2800 - 1200$ =1600

16. Answer: E

Total number of members in A and B is $2500 + 2100 = 4600$

Total number of female members in C and E is $= 2000 + 1200 = 3200$

So the respective ratio is $= 4600 : 3200 = 23 : 16$

17. Answer: D

Male members in A is 1500

Male members in D is 1360

So the respective difference is $(1500 - 1360) = 140$

18. Answer: C

Total male members in A and E party is $1500 + 1600 = 3100$

Total female members in B and D party is $1500 + 2040 = 3540$

So required percentage is $= \{(3100/3540) \times 100\} = 87.57\%$

19. Answer: B

Total male members in A, C, E party is $1500 + 1200 + 1600 = 4300$



Mixed DI Questions for IBPS PO Prelims

So the average male members in this three parties is $4300/3 = 1433.33$

20. Answer: A

So in party C numbers of male members is $1200 - 600 = 600$ more than number of male members in B party.

Solution (21-25)

21. Answer: E

Number of literate people from P is $= 2500 * 2/5 = 1000$

Number of illiterate people from Q is $= 2000 * 1/4 = 500$

So required percentage is $= \{(1000 - 500)/500\} * 100 = 100\%$

22. Answer: D

Female from R is $3000 * 60/100 = 1800$

Male from S is $2400 * 30/100 = 720$

So respective ratio is $1800:720 = 5:2$

23. Answer: C

Literate people from P $= 2500 * 2/5 = 1000$

Literate people from Q $= 3000 * 5/6 = 2500$

Literate people from R $= 2000 * 3/4 = 1500$

Literate people from S $= 2400 * 2/3 = 1600$

So the total literate people in all the city together is $= (1000 + 2500 + 1500 + 1600) = 6600$

So the average literate people is $= 6600/4 = 1650$

24. Answer: B

We cannot know the data about city T.

25. Answer: A

Female from Q is $= 2000 * 50/100 = 1000$

Male from R is $= 3000 * 40/100 = 1200$

So the respective difference is $(1200 - 1000) = 200$

Number of male members in C is 1200 and Number of male members in C is 600.

So required percentage is $= (600/600) * 100 = 100\%$

Solution – (26-30)

26. Answer: A

In container P total quantity of mixture is 30 liter.

Out of 30L amount of milk is $30 * 2/3 = 20L$ and water is $30 * 1/3 = 10L$

Let, X liter water should added to the water to make the ratio.

$$\text{Or, } \frac{20}{x+10} = \frac{2}{3}$$

$$\text{Or, } 2x + 20 = 60$$

$$\text{Or, } x = (60 - 20)/2 = 20 \text{ liter}$$

27. Answer: D

In container Q total quantity of mixture is 25L.

Milk is $25 * 4/5 = 20$ and water is $25 * 1/5 = 5$

Now 5L water is added. So the quantity of water is now $5 + 5 = 10$

Now ratio of water to milk in mixture is $10:20 = 1:2$

28. Answer: C

60% mixture from R is $60 * 40/100 = 24L$.

In 24L of mixture amount of milk is $(24 * 5/8) = 15L$ and amount of water is $(24 * 3/8) = 9L$

40% mixture from P is $30 * 40/100 = 12L$, out of that amount of milk is $12 * 2/3 = 8L$ and amount of water is $12 * 1/3 = 4L$.



Mixed DI Questions for IBPS PO Prelims

So, In container T total milk is $(15+8) = 23L$

In container T total water is $(9+4) = 13L$

So in container T, milk and water ratio is 23:13

29. Answer: B

In container S, total quantity of mixture is 60. out of that amount milk is

$= (60 \times \frac{3}{5}) = 36L$

In container R, amount milk is $40 \times \frac{5}{8} = 25$

So the required difference is $(36-25) = 11$

30. Answer: A

50% of mixture taken out from container S.

Now quantity of mixture left in container is $60 \times \frac{50}{100} = 30L$

In 30L, milk is $30 \times \frac{3}{5} = 18L$ and water is $30 \times \frac{2}{5} = 12L$

2L water is added in container, so amount of water is $12+2=14L$

New milk and water ratio is $18:14 = 9:7$

Solution (31-35)

31. Answer: E

When two train running opposite direction and cross each other, they have to cross sum their length.

Sum of length of train V and W is $= (280+240) = 520 m$

And relative speed is sum of their speed i.e. $(40+20) = 60m/sec$

So the time taken to cross each other is $520/60 = 8 \frac{2}{3} sec$

Solution (36-40)

Common explanation

Person	Total income	Spend in food	Spend in rent	Spend in bill
--------	--------------	---------------	---------------	---------------

32. Answer: D

Train cross a platform in 30 sec.

Let, the length of the platform is L.

So, $\{(260+L)/15\} = 30$

Or, $L = 450 - 260 = 190m$

This 190 m long platform train Y cross in $\{(190+180)/30\} = 37/3 = 12.33 sec$

33. Answer: C

Let the length of bridge A is p and length of bridge B is q.

Bridge A cross by train X in 16sec

So, $(220+p)/25 = 16, p = 400 - 220 = 180$

Bridge B cross by train W in 20sec

So, $(240+q)/20 = 20, q = 400 - 240 = 160$

$(p - q) = 180 - 160 = 20$

34. Answer: B

Train Y and Z running same direction so the relative speed is $30 - 15 = 15m/sec$

Total distance they have to cover is $180 + 260 = 440$

So time taken to cross one another is $440/15 = 29.33 sec$

35. Answer: A

Sum of total length of train V, X, and Z is $280 + 220 + 200 = 700$

So average length is $700/3 = 233.3$



Mixed DI Questions for IBPS PO Prelims

M	12000	$12000 \times \frac{2}{6}$ =4000	$12000 \times \frac{3}{6}$ =6000	$12000 \times \frac{1}{6}$ =2000
N	18000	$18000 \times \frac{3}{9}$ =6000	$18000 \times \frac{4}{9}$ =8000	$18000 \times \frac{2}{9}$ =4000
O	20000	$20000 \times \frac{5}{10}$ =10000	$20000 \times \frac{4}{10}$ =8000	$20000 \times \frac{1}{10}$ =2000
P	16000	$16000 \times \frac{3}{8}$ =6000	$16000 \times \frac{2}{8}$ =4000	$16000 \times \frac{3}{8}$ =6000
Q	22000	$22000 \times \frac{5}{11}$ =10000	$22000 \times \frac{4}{11}$ =8000	$22000 \times \frac{2}{11}$ =4000

36. Answer E

So the required ratio is $6000:8000 = 3:4$

37. Answer D

Total amount spend in bill by O, P and Q is
 $=2000+6000+4000=12000$

So the average amount spend in bill is $12000/3 = 4000$

38. Answer C

Total amount spend by N in food and bill is $6000+4000 = 10000$

Total amount spend by p in food and bill is
 $6000+6000=12000$

So the difference is $12000-10000=2000$

39. Answer B

So required percent is $= \{(4000/2000) \times 100\} = 200\%$

40. Answer A

Q spends 10000 in food and P spends 4000 in rent.

So Q spend $(10000-4000) = 6000$ more than P spends in rent.

So the required percent is $(6000/4000) \times 100 = 150\%$

Solution (41-45)

41. Answer E

No of boys in class I is $=60 \times \frac{7}{12} = 35$

Total age of boys is $= 35 \times 21 = 735$

No of girls in class I is $=60 \times \frac{5}{12} = 25$

Total age of girls is $=18 \times 25 = 450$

Total age of 60 student in class is $=735+450=1185$

So the average age of the student class is $1185/60=19.75$

42. Answer D

No of boys in class K is $35 \times \frac{5}{7} = 25$

So the total age of boys in class K is $=18 \times 25 = 450$

No of girls in class J is $45 \times \frac{5}{9} = 25$

So the total age of girls in class J is $=25 \times 19 = 475$

So the required difference is $(475-450) = 25$

43. Answer C

No of boys in class L is $55 \times \frac{6}{11} = 30$

No of boys in class I is $60 \times \frac{7}{12} = 35$



Mixed DI Questions for IBPS PO Prelims

So required percent = $(30/35) \times 100 = 85.71\%$

44. Answer B

No of boys in class J is $45 \times \frac{4}{5} = 20$ and no girls in class J is 25

So total age of the student of class J is

$$= (20 \times 23) + (19 \times 25) = 935$$

No of boys in class L is 30 and girls in class L is $55 \times \frac{5}{11} = 25$

So the total age of the student of class L is

$$= (30 \times 19) + (20 \times 25) = 1070$$

So required ratio is $= 935:1070 = 187:214$

45. Answer A

Girls in class I = $60 \times \frac{5}{12} = 25$

Girls in class J = $45 \times \frac{5}{9} = 25$

Girls in class K = $35 \times \frac{2}{7} = 10$

Girls in class L = $55 \times \frac{5}{11} = 25$

So total no of girls in all the class is $= 25 + 25 + 10 + 25 = 85$

Solution (46-50)

Total female $24000 \times \frac{5}{12} = 10000$

Total male is $24000 \times \frac{7}{12} = 14000$

46. Answer E

Total number of voter in city P is $24000 \times \frac{25}{100} = 6000$

Number of female in city P is $10000 \times \frac{30}{100} = 3000$

Number of male is $6000 - 3000$

So required percentage is $(3000/6000) \times 100 = 50\%$

47. Answer D

Total number of female voter in city R,S,T is $(10\% + 20\% + 15\%) = 45\%$

So the average female voter is $45\% / 3 = 15\%$

So average female voter these three city is $10000 \times 15 / 100 = 1500$

48. Answer C

Total voters in city R is $24000 \times \frac{20}{100} = 4800$

Total female voters in city R is $10000 \times \frac{10}{100} = 1000$

Total male voters in city R is $4800 - 1000 = 3800$

Total female voters in city T is $10000 \times \frac{15}{100} = 1500$

So required ratio is $3800:1500 = 38:15$

49. Answer B

In city Q female voter is 25%

In city T female voter is 15%

So the difference of female in city P and T is $(25\% - 15\%) = 10\%$

So the difference in number of female voter these two cities is

$$= 10000 \times \frac{10}{100} = 1000$$

50. Answer A

Total number of voter in Q is $= 24000 \times \frac{15}{100} = 3600$

Total number of female voter in city Q is $= 10000 \times \frac{25}{100} = 2500$

Total number of male voter in city Q is $= 3600 - 2500 = 1100$

Total number of voter in city S is $= 24000 \times \frac{30}{100} = 7200$

Total number of female voter in city S is $= 10000 \times \frac{20}{100} = 2000$

Total number of male voter in city S is $7200 - 2000 = 5200$

So required percentage is $= (1100/5200) \times 100 = 21.15\%$



Mixed DI Questions for IBPS PO Prelims

[Data Interpretation Practice Questions PDF Download](#)

[Get More Quantitative Aptitude Practice Questions PDF](#)

[THE COMPLETE Static GK Capsule for Upcoming Exams](#)

[For SSC Free Study Material PDF Download](#)

[For Railway Free Study Material PDF Download](#)

[Join Our What's App Group & Get Instant Notification on Study Materials & PDFs](#)

[Click Here to Join Our Official Telegram Channel](#)

