www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

We Exam Pundit Team, has made "BOOST UP PDFS" Series to provide The Best Free PDF Study Materials on All Topics of Reasoning, Quantitative Aptitude, English Section and General awareness section. This Boost Up PDFs brings you questions in different level, Easy, Moderate & Hard, and also in New Pattern Questions. we also providing all the study materials for SSC & RRB exams. Each PDFs contains 50 Questions along with Explanation. For More PDF Visit: pdf.exampundit.in

Number System for RRB NTPC Stage-II Exams

1) 0.5656 + 0.4343 is equal to	$2\sqrt{5}, 3\sqrt{6}, 2\sqrt{2}$
a) 1.44	a) 3√6>2√5>2√2
b) 1	b) 3√6<2√5<2√2
c) 2.33	c) $3\sqrt{6} < 2\sqrt{5} > 2\sqrt{2}$
d) 0.766	d) None of the above
2) Find the value of (0.84×0.35)/(4.9×0.2)	5) Which of the following has a terminating decimal
a) 0.3	expression?
b) 0.2	a) 8/9
c) 0.03	b) 5/12
d) 0.02	c) 2/11
3) Which of the following option is correct?	d) 19/25
a) 5/18 > 0.3 > 7/6	6) Simplify: $a \div \{[a^2/(a-4)] + [4a/(4-a)]\}$
b) 0.3>5/18 > 7/6	a) a/(a-4)
c) 7/6 >0.3>5/18	b) (a-4)/a
d) 7/6>5/18>0.3	c) 1
4) Arrange the following irrational numbers in	d) 0
descending order	
	Page 1 of 20

exampund

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

7) Find out which of the following sets form co-prime	c) 5/2, 9999
numbers	d) 1, 9999
a) (21, 42)	11) Find the average of first 40 even numbers
b) (43, 129)	a) 41
c) (18,35)	b) 40
d) (12,36)	c) 38
8) 3 ⁵¹ +3 ⁵² +3 ⁵³ +3 ⁵⁴ is divisible by	d) 42
a) 11	12) If 1/54.76 = 0.01826 then find the value of 1/18.26
b) 16	a) 0.05476
c) 25	b) 0.005476
d) 30	c) 0.8956
9) Which one of the following fractions lays in between 5/7 and 15/17	d) 0.08956
a) 4/7	13 Find the irrational number from the following
b) 16/17	a) 23
c) 95/119	b) 3/5
d) 106/119	c) √2
10) When the largest four digit number is divided by	d) √9
a number and the result is added with same number	14) If @ denotes +, # denotes \times , \$ denotes – and ^
the answer obtained is smallest five digit number.	denotes \div then find which of the following options are
Find the number/numbers?	correct
a) 3/4, 89	a) 7 @7#7\$7^7=59
b) 3/2, 999	b) 7#7@7\$7^7=57

Page 2 of 20

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

c) 7\$7#7@7^7=55	c) 6
d) 7#7\$7^7@7=55	d) 7
15) 2.5656 + 5.4747 3.3131 =?	19) If 53x68 is divisible by 9 then find the value of x
a) 52/11	a) 6
b) 54/11	b) 4
c) 67/19	c) 3
d) 119/123	d) 5
16) Find the unit digit of the following product	20) The difference between the place value and the face value of 8 in 28732 is-
$(4336)^{344} \times (3457)^{433}$	a) 1572
a) 2	b) 79992
b) 3	c) 7992
c) 4	d) 792
d) 8	21) Which of the following number is divisible by 8?
17) Which of the following number is divisible by 16?	a) 234564
a) 456856	b) 435568
b) 356884	c) 897426
c) 760272	d) 769582
d) 650372	22) Find the unit digit of the product:
18) If 67542x356 is divisible by 11 then find the value	(2348×9876×3487×1983)
of x	a) 5
a) 5	b) 6
b) 4	c) 8 Page 3 of 20

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

d) 9	c) 21
23) Which of the following number is completely	d) 20
divisible by 6?	27) If product of two numbers and sum of their
a) 983356	reciprocals is 90 and 7/30 respectively then find the
b) 982346	sum of squares of those two numbers
c) 695248	a) 261
d) 983256	b) 271
24) Check for the following numbers which are	c) 255
completely divisible by 12?	d) 245
a) 65428	28) If the sum of the positive number and its
b) 21682	reciprocal is 37/6 then find the square of that number.
c) 11472	a) 4/9
d) None of the above	b) 36
25) Find the average of first 28 odd numbers	c) 49/36
a) 492	d) 49
b) 28	29) If the difference between two numbers is 2 and
c) 520	result of the division of one number by another
d) 32	number is 14/15 then find the sum of two numbers.
26) Find the number of times the number 3 comes on	a) 56
writing from 1 to 100?	b) 68
a) 19	c) 58
b) 18	d) 76

Page 4 of 20

exampund

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

30) If the sum of three consecutive odd numbers is 51 then find the largest of those three numbers

a) 11

- b) 21
- c) 23
- d) 19

31) Three numbers are in arithmetic progression if the difference between the largest and smallest number is 8 and the sum of middle number and last number is 60 then find the smallest number

a) 23

b) 27

c) 24

d) 28

32) Three natural numbers are in geometric progression if the product of smallest and largest number is 16. If the difference between the middle number and largest number is 4 then find the cube of largest number.

a) 512

- b) 64
- c) 1000
- d) 343

33) The sum of squares of two positive numbers is 145 and difference between those two square values is 17. Then find the sum of two numbers

- a) 16
- b) 17
- c) 18
- d) 19
- 34) If xyz=300, x/y=5/6 and y/z=3/5 then find the value of x^3
- a) 216
- b) 1000
- c) 343
- d) 125

35) If the sum of two numbers is thrice of the difference between those two numbers then find the ratio between the largest and smallest number.

- a) 2:1
- b) 3:2
- c) 2:3
- d) 4:3

36) On adding a number by three fourth of itself the answer obtained is 4 less than the twice of the number. Find the square of the number?

Page 5 of 20

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

a) 225	40) If the difference between a natural number and twice of its reciprocal is 71/6 then find that number
b) 225/256	twice of its reciprocal is 71/0 then find that number
c) 256	a) 6
d) 196	b) 8
37) Three numbers is in arithmetic progression, if	c) 14
their sum is equal to 489 and the smallest number is 6	d) 12
less than the largest number then find the largest number	41) Simplify the following:
a) 163	(5 4/7 + 4 3/14 - 5 2/21) ÷(1/7)
b) 156	a) 33.75
c) 166	b) 34
d) 176	c) 32.83
38) Find the difference between the squares of the	d) 33.25
consecutive natural numbers	42) Simply: (0.9×0.009×0.81)÷(0.0729)
a) n ² -1	a) 0.09
b) 1-n ²	b) 0.009
c) 2n+1	c) 0.81
d) 2n-1	d) 0.081
$39) 8^3 + 9^3 + \dots + 14^3 = ?$	43) Find the sum of 12+15+18+21+24++99
a) 10241	a) 1667
b) 10393	b) 1697
c) 11353	c) 1665
d) 12458	d) 1698 Page 6 of 20



Expected Number System Questions for Railway Exams

44) $5^3 + 5^4 + 5^5 + 5^6 + 5^7 = ?$	b) -631
a) 98425	c) -553
b) 96325	d) -551
c) 97625	48) If the sum of three consecutive odd natural
d) 97725	numbers is 45 then find the product of those numbers
45) Find the sum of the squares of first 35 natural	a) 3315
numbers?	b) 3325
a) 15620	c) 3365
b) 14520	d) 4358
c) 14930	49) (6^2+6^5) ÷93=42×2 ^a , find the value of a
d) 14910	a) 2
46) If 616 number of trees need to be planted in a	b) 3
rectangular field and the number of rows is 6 more than the number of columns then find the number of	c) 1
rows	d) 0
a) 22	50) 2541-1456+3254=x ² +(75×260×13/78)find x
b) 28	a) 32
c) 26	b) 35
d) 24	c) 33
47) Find the value of 1-2-4-6-8-10-12-1446	d) 45
a) -543	

Page 7 of 20



Expected Number System Questions for Railway Exams

ANSWERS

1) Answer: B	On comparing the above three values options C will be
Solution:	the correct one.
0.5656 = (56.5656)/100	4) Answer: A
Let $0.5656 = x$	Solution:
Then the above expression becomes	For easy comparison of irrational numbers square each number and compare them
x = 56/100 + x/100	$(3\sqrt{6})^2 = 54$
99x/100 = 56/100	$(3\sqrt{6})^2 = 54$ $(2\sqrt{5})^2 = 20$
x=56/99	$(2\sqrt{2})^2 = 8$
Similarly, 0.4343 can be written as 43/99	By analyzing the above answers option a will be the
0.5656 + 0.4343=56/99 + 43/99 =1	correct answer.
2) Answer: A	5) Answer: D
Solution:	Solution:
= (0.84×0.35)/(4.9×0.2)	8/9=0.888
On simplification answer will be 0.3	5/12=0.4166
3) Answer: C	2/11=0.1818
Solution:	19/25=0.76
As, 0.3=0.333	6) Answer: C
5/18=0.277	Solution:
7/6=1.166	$= a \div \{ [a^2/(a-4)] + [4a/(4-a)] \}$

Page 8 of 20

exampundit your Success Partner

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

$= a \div \{ [a^2/(a-4)] - [4a/(a-4)] \}$	Since denominator 119 is product of the denominators of
$=a/[(a^2-4a)/(a-4)]$	two given fractions
= a/[a(a-4)/(a-4)]	Check for the average of those two terms as average value lies between those two fractions only.
=1	Average of 5/7 and 15/17 = (5/7+15/17)/2
7) Answer: C	= (190/119)/2=95/119
Two numbers have only 1 as the Common Factor is known as co-prime numbers. All the prime numbers are	10) Answer: D
co-prime numbers	Solution:
Factors of 18 are 1,2,3,6 and 18	Largest 4 digit number= 9999
Factors of 35 are 1,5,7 and 35	Smallest 5 digit number=10000
The only Common factor between 18 and 35 is 1	10000=99999/x +x
(18,35) are coprime numbers	x ² -10000x+9999=0
8) Answer: D	x ² -99999x-x+9999=0
Solution:	(x-9999)(x-1)=0
$3^{51}+3^{52}+3^{53}+3^{54}=3^{51}(1+3^1+3^2+3^3)$	x=1, 9999
$=3^{51}(1+3+9+27)$	11) Answer: A
$=3^{51} \times 40$	Solution:
The possible answer is 30	Solution:
9) Answer: C	
Solution:	Sum of first n even number $=n(n+1)$
By analyzing the options, $4/7 < 5/7$ and $16/17 > 15/17$	Sum of first 40 even number =40*41
So option a and b are neglected	Average of first 40 even number= $(40*41)/40=41$
	12) Answer: A

Page 9 of 20



Expected Number System Questions for Railway Exams

Solution:	=-41≠55
Given, 1/54.76 = 0.01826	d) 7#7\$7^7@7=55
Rewrite as, 1/0.01826 = 54.76	= 7×7-7÷7+7
Divide by 1000	=49-1+7
1/(1000*0.01826) =54.76/1000	=55
1/18.26 = 0.05476	So, option d is correct
13) Answer: C	15) Answer: A
Solution:	Solution:
An Irrational Number is a real number that cannot be	= 2.5656 + 5.4747 3.3131(1)
written as a simple fraction.	2.5656=2+0.5656=2+x(2)
$\sqrt{2}$ = 1.41421356237	x=0.5656
14) Answer: D	Multiply by 100,
Solution:	100x=56.565656
Check with options	100x=56+x
a) 7 @7#7\$7^7=59	99x=56
= 7+7×7-7÷7	x=56/99
= 55 <i>≠</i> 59	(2)=> 2.5656=2+56/99 =2 56/99
b) 7#7@7\$7^7=57	Similarly 5.4747=5 47/99
=7×7+7-7÷7	3.3131 = 3 31/99
=55≠57	(1)=> 2 56/99+5 47/99 - 3 31/99
c) 7\$7#7@7^7=55	= (2+5-3)+(56/99+47/99-31/99)
$= 7-7 \times 7+7 \div 7$	
	Page 10 of 20

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

= 4+(72/99)	b) 356884
=4 8/11 =52/11	Checking for last four digit: 6884/16 –remainder is 4
16) Answer: A	c) 760272
Solution:	Checking for last four digit: 0272/16 –remainder is 0
For finding the unit digit of the given product first find	d) 650372
the last digit of each term.	Checking for last four digit: 0372/16remainder is 4
Check the periodicity of unit digit. Here 6 and 7 are unit digit	Since, option c is gives remainder 0 therefore option c is correct
Its respective periodicity is 1 and 4	18) Answer: C
For periodicity 1 replace the given power by 1 and for	Solution:
periodicity 4 check for remainder by dividing the power with this periodicity	If the difference between the sum of the digits in odd
433/4 => remainder 1	places and the sum of the digits in even places of the
So, the given question is rewritten as,	given number is zero then the given number is said to be divisible by 11.
$= 6^{1} \times 7^{1}$	Sum of odd placed digits – sum of the even placed digit
As unit digit of above product is 2	=0
So, the unit digit of the complete product is 2.	(6+5+2+3+6)-(7+4+x+5)=0
17) Answer: C	22-16-x=0
Solution:	x=6
If the last four digit of the given number is divisible by	19) Answer: D
16 then the given number is completely divisible by 16	Solution:
a) 456856	If a number is divisible by 9 then its sum of the digits is
Checking for last four digit: 6856/16remainder is 4	equal to multiple of 9
	Page 11 of 20



Expected Number System Questions for Railway Exams

Therefore, 5+3+x+6+8=multiple of 9	Solution:
22+x=27(As 27 is nearest multiple of 9)	Unit digit of the product of such large numbers can be
x=27-22=5	found out by multiplying the last digits alone of each
20) Answer: C	term and the unit digit of such product is unit digit of the complete product.
Solution:	Unit digits are: 8, 6, 7, and 3
In 28732, place value of 8 = 8000	Product = 8*6*7*3=1008
And the face value is 8 \Rightarrow So (8000 - 8) = 7992	Unit digit is 8
21) Answer: B	23) Answer: D
Solution:	Solution:
If the last three digit of the given number is divisible by 8 then the given number is completely divisible by 8.	If a number is divisible by 6 then the same number should be divisible by its factors 2 and 3.
a) 234564	As all given numbers is even then the given numbers are divisible by 2
Last three digit: 564/8 –remainder is 4	If the sum of the digits of the number is multiple of 3
b) 435568	then that number is divisible by 3.
Last three digits: 568/8—reaminder is 0	a) 9+8+3+3+5+6=34 is not multiple of 3
c) 897426	b) 9+8+2+3+4+6=32 is not multiple of 3
Last three digits: 426/8remainder is 2	c) 6+9+5+2+4+8=34 is not multiple of 3
d) 769582	d) 9+8+3+2+5+6=33 is multiple of 3
Last three digits: 582/8—remainder is 6	So, option d will be the correct answer.
Option b will be answer as it gives remainder as 0.	24) Answer: C
22) Answer: C	Solution:

Page 12 of 20

exampund

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

If the given number is divisible by 4 and 3 the factors of	Solution:
12 then the given number is divisible by 12.	Such numbers are,
Divisibility by 3: sum of the digits of the given number is multiple of 3	3, 13, 23, 33,93 = 11 (as 33 contains 3 two times)
Divisibility by 4: Last two digits of the given number is divisible by 4	30, 31, 32, 33,39=11-2=9(As 33 is counted already so 2 is subtracted)
a) 65428	So total number of $3 = 11+9=20$
Sum of the digits = $6+5+4+2+8=25$ not a multiple of 3.	27) Answer: A
The given number is not divisible by 12 though the last	Solution:
two digits are multiple of 4	Let the two numbers are x and y
b) 21682	xy=90
Sum of the digits $=2+1+6+8+2=19$ not a multiple of	1/x+1/y=7/30
3. The given number is not divisible by 12.c) 11472	(y+x)/xy = 7/30
Sum of the digits=1+1+4+7+2=15 multiple of 3	(x+y)/90=7/30
And last two digits are divisible by 4	x+y=21
So, this number is divisible by 12.	As per algebraic identity,
25) Answer: B	$x^{2}+y^{2}=(x+y)^{2}-2xy$ $x^{2}+y^{2}=(21)^{2}-2(90)$
Solution:	
Sum of first n odd number $=n^2$	$x^2+y^2=441-180=261$
Sum of first 28 odd number $=28^2$	28) Answer: B
Average of first 28 odd number= $(28*28)/28=28$	Solution:
26) Answer: D	Let the number be x
	x+1/x=37/6



Expected Number System Questions for Railway Exams

$(x^2+1)/x=37/6$	Solution:
$6x^2 + 6 = 37x$	Let the three consecutive odd numbers are $(x-2)$, x,
$6x^2 - 37x + 6 = 0$	(x+2)
$6x^2 - 36x - x + 6 = 0$	Sum of those three numbers= 51
6x(x-6)-(x-6)=0	(x-2)+x+(x+2)=51
(6x-1)(x-6)=0	3x=51
x=1/6,6	x=17
$x^2 = 1/36, 36$	Since largest of three is $(x+2) = 17+2=19$
Option b is correct	31) Answer: C
29) Answer: C	Solution:
Solution:	Let the numbers are: (x-a), x , (x+a)
	a is the difference between the consecutive numbers
Let the two numbers are x and y $(x>y)$	Largest number - smallest number =8
x-y =2	(x+a)-(x-a) = 8
y/x=14/15 (As, 15>14)	2a = 8
y/x = 14a/15a	A = 4
x-y=15a-14a=a	Middle number +last number=60
As, x-y=2 given therefore, a=2	
x+y=15a+14a	$\mathbf{x} + (\mathbf{x} + \mathbf{a}) = 60$
=29a=29*2	2x + 4 = 60
=58	X = 28
30) Answer: D	Smallest number = $x - a$
	= 28 - 4 = 24
	Page 14 of 20



Expected Number System Questions for Railway Exams

32) Answer: A	$x^2-y^2=17$ (2)
Solution:	$x^{2}-y^{2}=17$ (2) (1)+(2)=> 2 $x^{2}=162$
Let the three numbers are: x/a , x, ax	$x^2=81$, x=9
a be the ratio between the two numbers	Put the value of x^2 in (1)
Smallest number*largest number = 16	Then, $y^2 = 145 - 81 = 64$
x/a*ax=16	y=8
x ² =16	x+y=9+8
$x=\pm 4$	=17
x=4(As all the numbers are natural numbers, neglect the	34) Answer: D
negative value)	Solution:
Largest number - middle number =4	Given:
ax-x=4	xyz=300(1)
x(a-1)=4	x/y=5/6(2)
a-1=1	xyz=300(1) x/y=5/6(2) y/z=3/5(3)
a=2	Product of above three equation= $(xyz)(x/y)(y/z)$
Cube of largest number= $(ax)^3$	$x^2y=150$ (3)
$=(2*4)^3$	From (2) y=6x/5
= 512	$(3) \Rightarrow x^2(6x/5) = 150$
33) Answer: B	x ³ =125
Solution:	35) Answer: A
Let the number be: x and y	Solution:
$x^2+y^2=145$ (1)	Page 15 of 20



Expected Number System Questions for Railway Exams

Let the two numbers are x and y $(x>y)$	Since smallest number is 6 less than the largest number.
Sum of two numbers=3*difference between the two	(x-a) = (x+a)-6
numbers	-2a=-6
$\mathbf{x} + \mathbf{y} = 3(\mathbf{x} - \mathbf{y})$	a=3
x+y=3x-3y	Largest number =x+a
4y=2x	=163+3=166
x:y=2:1	38) Answer: C
36) Answer: C	Solution:
Solution:	Let the consecutive natural numbers are n and n+1
Let the number be x	Difference between the squares of the two,
x+3x/4=2x-4	$=(n+1)^2-n^2$
7x/4=2x-4	$= n^2 + 2n + 1 - n^2$
x/4=4	= 2n+1
x=16	39) Answer: A
x ² =256	Solution:
37) Answer: C	Sum of the cube of first n natural number =
Solution:	$(n(n+1)/2)^2$
Let the numbers be (x-a), x, (x+a)	$8^{3}+9^{3}+\dots+14^{3}=(1^{3}+2^{3}+3^{3}+\dots+14^{3})-(1^{3}+2^{3}+3^{3}+\dots+7^{3})$
a be the difference between the consecutive number	$(1^3+2^3+3^3+\ldots+7^3)$
x-a+x+x+a=489	Apply the formula,
3x=489	$12^3 + 13^3 + \dots + 22^3 = (14*15/2)^2 - (7*8/2)^2$
x=163	$=7^{2}(15^{2}-4^{2})$
Subscribe The Xpress Video Course & Mo	Page 16 of 20

www.exampundit.in pdf.exampundit.in

Expected Number System Questions for Railway Exams

=209*49=10241	= 197/6
40) Answer: D	= 32.83
Solution:	42) Answer: A
Let the number be x.	Solution:
Twice of its reciprocal= $2/x$	$= (0.9 \times 0.009 \times 0.81) \div (0.0729)$
x-2/x=71/6	$=(0.9\times0.009\times0.9\times0.9)\div(729\times10^{-4})$
$x^{2}-2=71x/6$	$= (9 \times 10^{-1} \times 9 \times 10^{-3} \times 9 \times 10^{-1} \times 9 \times 10^{-1}) \div (729 \times 10^{-4})$
$6x^2 - 12 = 71x$	$=(729\times9\times10^{-6})\div(729\times10^{-4})$
6x ² -71x -12=0	=9×10 ⁻²
$6x^2 - 72x + x - 12 = 0$	=0.09
6x(x-12)+(x-12)=0	43) Answer: C
x=12, x=-1/6	Solution:
As, only natural number is to be considered then the	= 12+15+18+21+24++99
negative number has to be neglected.	$= 3(4+5+6+7+8+\dots 33)$
The required number=12	= 3[(1+2+3+33) - (1+2+3)]
41) Answer: C	As sum of n natural numbers = $n(n+1)/2$
Solution:	= 3[((33*34)/2)-6]
$= (5 \ 4/7 + 4 \ 3/14 - 5 \ 2/21) \div (1/7)$	= 3[561-6]
$= [(5+4-5)+(4/7+3/14-2/21)] \times 7$	= 3*555
= 4+[(24+9-4)/42] ×7	=1665
= [4 (29/42)] ×7	44) Answer: C
= (197/42) ×7	Page 17 of 20



Expected Number System Questions for Railway Exams

Solution:	x(x+28)-22(x+28)=0
$= 5^3 + 5^4 + 5^5 + 5^6 + 5^7$	x=22,-28
$=5^{3}(1+5+5^{2}+5^{3}+5^{4})$	Neglect negative value then x=22
= 125(6+25+125+625)	Number of rows=x+6
=125*781	= 22+6=28
= (1000*781)/8	47) Answer: D
= 781000/8	Solution:
=97625	= 1-2-4-6-8-10-12-1446
45) Answer: D	= 1-2(1+2+3++23)
Solution:	=1-2(23*24/2)
Sum of the squares of first n natural number =	=1-552
n(n+1)(2n+1)/6	
	= -551
= (35*36*71)/6	= -551 48) Answer: A
= (35*36*71)/6 = 14910	
	48) Answer: A
= 14910	48) Answer: A Solution:
= 14910 46) Answer: B	48) Answer: ASolution:Let the three numbers are (a-2), a, (a+2)
= 14910 46) Answer: B Solution:	 48) Answer: A Solution: Let the three numbers are (a-2), a, (a+2) Sum of three numbers=45
 = 14910 46) Answer: B Solution: Let the number of columns =x 	 48) Answer: A Solution: Let the three numbers are (a-2), a, (a+2) Sum of three numbers=45 a-2+a+a+2=45
 = 14910 46) Answer: B Solution: Let the number of columns =x Then the number of rows= x+6 	 48) Answer: A Solution: Let the three numbers are (a-2), a, (a+2) Sum of three numbers=45 a-2+a+a+2=45 3a=45
 = 14910 46) Answer: B Solution: Let the number of columns =x Then the number of rows= x+6 As 616 trees need to be planted in this area, then 	 48) Answer: A Solution: Let the three numbers are (a-2), a, (a+2) Sum of three numbers=45 a-2+a+a+2=45 3a=45 a=15
 = 14910 46) Answer: B Solution: Let the number of columns =x Then the number of rows= x+6 As 616 trees need to be planted in this area, then x(x+6)=616 	 48) Answer: A Solution: Let the three numbers are (a-2), a, (a+2) Sum of three numbers=45 a-2+a+a+2=45 3a=45 a=15 (a-2)=13

Subscribe The Xpress Video Course & Mock Test Package for Bank & Insurance Exams If there are any suggestions/ errors in our PDFs Feel Free to contact us via this email: admin@exampundit.in

Page 18 of 20



Expected Number System Questions for Railway Exams

Product of three numbers=(a-2)a(a+2)	2=2 ^a
=13*15*17 =3315	On comparing the powers, a=1
49) Answer: C	50) Answer: C
Solution:	Solution:
(6^2+6^5) ÷93=42×2 ^a	$2541 - 1456 + 3254 = x^2 + (75 \times 260 \times 13/78)$
$6^2(1+6^3) \div 93=42 \times 2^a$	$4339 = x^2 + 3250$
(36*217)/93=42×2 ^a	x ² =1089
$84=42\times 2^{a}$	x=33

Click Here to Download Important Notes on Indian Polity for SSC & Railway Exams

Download THE COMPLETE General Science PDF for SSC & Railway Exams

<u>Click Here to Join Our What's App Group & Get Instant Notification on Study</u> <u>Materials & PDFs</u>

<u>Click Here to Join Our Official Telegram Channel</u>

Page 19 of 20



Expected Number System Questions for Railway Exams