Section : - Quantitative Aptitude

Directions : -

Question : -1

30.9 x 3000 - 10.1 x 1100 + 8298- 4302 = ?

- 80000
- 90000
- 105000
- 85000
- 100000

Correct Answer : 85000

Answer Explaination -

? = 30.9 x 3000 -10.1 x 1100 + 8298 - 4302
= 92700 - 11110 + 8298 - 4302
= 92700 - 11110 + 8298 - 4302
= 85586 ? 85000

Section : - Quantitative Aptitude

Directions : -

Question : -2

421 x 0.9 +130 x 101 + 10000

- 23500
- 22500
- 24500
- 235000
- 245000

Correct Answer : 23500

Answer Explaination -

? = 421 x 0.9 +130 x 101 x 10000
= 378.9 + 13130 +10000
= 23508.9 ? 23500

Section : - Quantitative Aptitude

Directions : -

Question : -3

12, 336, ?, 788 , 932 , 1032

- 589
- 592
- 590
- 588
- None of the above

Correct Answer : 592

Answer Explaination -

This series is in form of +182, +162, +142, +122, +102,

Section : - Quantitative Aptitude

Directions : -
Question : -4
18,48,184,915,5448,38122

- 18
- 48
- 915
- 184
- 38122

Correct Answer : 915

Answer Explaination -

The Pattern Should be

18 x 3 - 6 = 48

18 x 3 - 6 = 48

48 x 4 - 8 = 184

184 x 5 - 10 = **910** (915 given)

910 x 6 - 12 = 5448,

5488 x 7 - 14 = 38122

Section : - English Language

Directions : -
Question : -5
(A) There were / (B) no less than/ (C) fifty persons / (D) present in the room / (E) No error

- (A)
- (B)
- (C)
- (D)
- (E)

Correct Answer : (B)

Answer Explaination -

Replace "less than" by "fewer than"

Section : - Quantitative Aptitude

Directions : -
Question : -6
1, 4, 9, 16, 20, 36, 49

- 1
- 9
- 20
- 36
- 49

Correct Answer : 20

Answer Explaination -

The pattern is 12, 22, 32, 42, 52, 62, 72 .

But, instead of 52, It is 20, which is to be turned out.

Section : - Quantitative Aptitude

Directions : -

Question : -7

8, 27, 64, 100, 125, 216, 343

- 27
- 64
- 125
- 100
- 216

Correct Answer : 100

Answer Explaination -

The pattern is 23, 33, 43, 53, 63, 73.

But 100 is not a perfect cube

Section : - Quantitative Aptitude

Directions : -

Question : -8

36, 34, 30, 28, 24, ...

- 20
- 22
- 23
- 24
- 26

Correct Answer : 22

Answer Explaination -

This is an alternating number subtraction series. First, 2 is subtracted, then 4, then 2, and so on.

Section : - Quantitative Aptitude

Directions : -

Study the following table to answer the given questions.

CENTRE AND POST-WISE NUMBER OF CANDIDATES

Centre ↓	Officer	Clerk	Field Officer	Supervisor	Specialist Officer
Bangluroo	2000	5000	50	2050	750
Delhi	15000	17000	160	11000	750
Mumbai	17000	19500	70	7000	900
Hyderabad	3500	20000	300	9000	1150
Kolkata	14900	17650	70	1300	1200
Lucknow	11360	15300	30	1500	650
Chennai	9000	11000	95	1650	500

Question : -9

What is the difference between total number of officers and clerks

- 28680
- 29680
- 32690
- 34180
- 33690

Correct Answer : 32690

Answer Explaination -

Total number of officers = 2000 + 15000 + 17000 + 3500 + 14900 + 11360 + 9000 = 72760
Total number of clerk = 5000 + 17000 + 19500 + 20000 + 17650 + 15300 + 11000 = 105450
Their difference = 105450 - 72760 = 32690

Section : - Quantitative Aptitude

Directions : -

Study the following table to answer the given questions.

CENTRE AND POST-WISE NUMBER OF CANDIDATES

Centre ↓	Officer	Clerk	Field Officer	Supervisor	Specialist Officer
Bangluroo	2000	5000	50	2050	750
Delhi	15000	17000	160	11000	750
Mumbai	17000	19500	70	7000	900
Hyderabad	3500	20000	300	9000	1150
Kolkata	14900	17650	70	1300	1200
Lucknow	11360	15300	30	1500	650
Chennai	9000	11000	95	1650	500

Question : -10

Which centre has the higher number of candidates

- Delhi
- Hyderabad
- kolkata
- mumbai
- Can't be determined in above options

Correct Answer : mumbai

Answer Explaination -

Number of candidates :
Delhi ? 15000 + 17000 + 160 + 11000 + 750 = 43910
Hyderabad ? 3500 + 20000 + 300 + 9000 + 1150 = 33950
kolkata ? 14900 + 17650 + 70 + 1300 + 1200 = 35120
Mumbai ? 17000 + 19500 + 70 + 7000 + 900 = 44470
Hence, Mumbai has the highest number of candidates.

Section : - Quantitative Aptitude

Directions : -

Study the table carefully to answer the questions that follow:

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN SIX DIFFERENT SUBJECTS

Subject → Student ↓	Science (Out of 150)	English (Out of 100)	Hindi (Out of 50)	Maths (Out of 150)	Social Studies (Out of 125)	Maithili (Out of 50)
Ravi	85	67	84	70	70	78
Riya	80	53	86	60	80	78
Amit	90	51	88	65	50	66
Kirti	65	78	90	85	70	68
Prasad	70	82	86	80	60	72
Tanya	60	84	80	65	50	76

Question : -11

What is the Riya's overall pereentage of marks in all subjects together

- 68.3
- 71.2
- 72.8
- 75.6
- 74.9

Correct Answer : 72.8

Answer Explaination -

Riya's overall percentage of Marks in all subject = (80 + 53 + 86 + 60 + 80 + 78)/6 = 437/6 ? 72.8%

Section : - Quantitative Aptitude

Directions : -

Study the table carefully to answer the questions that follow:

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN SIX DIFFERENT SUBJECTS

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Riya	80	53	86	60	80	78
Amit	90	51	88	65	50	66
Kirti	65	78	90	85	70	68
Prasad	70	82	86	80	60	72
Tanya	60	84	80	65	50	76

Question : -12

What are the total marks obtained by Tanya in all the subject together

- 402
- 408
- 412
- 418
- 416

Correct Answer : 412

Answer Explaination -

Total marks obtained by Tanya in all the subjects
= 150 x 60% + 84 + 50 x 80% + 150 x 65% + 125 x 50 + 50 x 76%
Total marks obtained by Tanya in all the subjects
= 150 x 60 /100 + 84 + 50 x 80/100 + 150 x 65/100 + 125 x 50/100 + 50 x 76/100
= 90 + 84 + 40 + 97.5 + 62.5 + 38 = 412

Section : - Quantitative Aptitude

Directions : -

Study the table carefully to answer the questions that follow:

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN SIX DIFFERENT SUBJECTS

Subject → Student ↓	Science (Out of 150)	English (Out of 100)	Hindi (Out of 50)	Maths (Out of 150)	Social Studies (Out of 125)	Maithili (Out of 50)
Ravi	85	67	84	70	70	78
Riya	80	53	86	60	80	78
Amit	90	51	88	65	50	66
Kirti	65	78	90	85	70	68
Prasad	70	82	86	80	60	72
Tanya	60	84	80	65	50	76

Question : -13

Which student has scored the highest marks in all subjects together

- Amit
- kirti
- prasad
- ravi
- tanya

Correct Answer : kirti

Answer Explaination -

It is clear from the table that Kirti has scored the highest marks in all the subjects.

Section : - Quantitative Aptitude

Directions : -
Study the table carefully to answer the questions that follow:

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN SIX DIFFERENT SUBJECTS

Subject → Student ↓	Science (Out of 150)	English (Out of 100)	Hindi (Out of 50)	Maths (Out of 150)	Social Studies (Out of 125)	Maithili (Out of 50)
Ravi	85	67	84	70	70	78
Riya	80	53	86	60	80	78
Amit	90	51	88	65	50	66
Kirti	65	78	90	85	70	68
Prasad	70	82	86	80	60	72
Tanya	60	84	80	65	50	76

Question : -14
If to pass in the examination the minimum marks rewired in Maths are 95 and in Social studies are 85, how many students will pass

- One
- two
- three
- four
- None of the above

Correct Answer : None of the above

Answer Explaination -

Pass percentage in **Maths** = Minimum passing marks in Maths x 100/total maths marks for math
Pass percentage in Maths = 95 x 100/150 = 63.3%
Pass percentage in **Social studies** = Minimum passing marks in Social studies x 100/total maths marks for Social studies
Pass percentage in Social studies = 85 x 100/125 = 68%
It is cleans from the table that Ravi and and Kirti will pass in the examination.

Section : - Quantitative Aptitude

Directions : -
Study the table carefully to answer the questions that follow:

PERCENTAGE OF MARKS OBTAINED BY SIX STUDENTS IN SIX DIFFERENT SUBJECTS

Subject → Student ↓	Science (Out of 150)	English (Out of 100)	Hindi (Out of 50)	Maths (Out of 150)	Social Studies (Out of 125)	Maithili (Out of 50)
Ravi	85	67	84	70	70	78
Riya	80	53	86	60	80	78
Amit	90	51	88	65	50	66
Kirti	65	78	90	85	70	68
Prasad	70	82	86	80	60	72
Tanya	60	84	80	65	50	76

Question : -15

What are the average marks obtained by all students together in Hindi

- 41.54
- 42.83
- 43.83
- 44.62
- 41.83

Correct Answer : 42.83

Answer Explaination -

As per given table graph,
The total marks obtained by all students in Hindi = Marks obtained by ravi in Hindi + Marks obtained by riya in Hindi + Marks obtained by amit in Hindi +Marks obtained by kirti in Hindi + Marks obtained by prasad in Hindi + Marks obtained by tanya in Hindi
The total marks obtained by all students in Hindi = 50 x (84 + 86 + 88 + 90 + 86 + 80)/100 = 50 x 514/100 = 257
The average marks obtained by all students in Hindi = 257/6 = 42.83

Section : - Quantitative Aptitude

Directions : -

Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Question : -16

The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

- 0.1
- 1
- 1.1
- 1.2
- 2.2

Correct Answer : 1

Answer Explaination -

$$\text{Required percentage} = \left[\frac{(3.00 + 2.52 + 3.84 + 3.68 + 3.96)}{(288 + 342 + 324 + 336 + 420)} \times 100\right]\%$$

$$= \left[\frac{17}{1710} \times 100\right]\%$$

$$\approx 1\%$$

Section : - Quantitative Aptitude

Directions : -

Expenditures of a Company (in Lakh Rupees) per Annum Over the given Years.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Question : -17

Study the following table and answer the questions based on it.

What is the average amount of interest per year which the company had to pay during this period?

- Rs. 32.43 lakhs
- Rs. 33.72 lakhs
- Rs. 34.18 lakhs
- Rs. 36.66 lakhs
- None of the above

Correct Answer : Rs. 36.66 lakhs

Answer Explaination -

Average amount of interest paid by the Company during the given period

$$= \text{Rs.}\left[\frac{23.4 + 32.5 + 41.6 + 36.4 + 49.4}{5}\right]\text{lakhs}$$

$$= \text{Rs.}\left[\frac{183.3}{5}\right]\text{lakhs}$$

= Rs. 36.66 lakhs.

Section : - Quantitative Aptitude

Directions : -

Question : -18

Look at the following series and find the missing number

1676, 1354, 1064 , ? , 580 , 386

- 942
- 888
- 956

- 806
- None of the above

Correct Answer : 806

Answer Explaination -

The series is

(41)2 - 5 = 1676,

(37)2 - 15 = 1354,

(33)2 - 25 = 1064,

(29)2 - 35 = **806**,

(25)2 - 45 = 580,

(21)2 - 55 = 386,

Section : - Quantitative Aptitude

Directions : -

Question : -19

Look at the following series and find the missing numbers

14, ? , 56, 272, 1568, 9344

- 40
- 24
- 25
- 20
- None of the above

Correct Answer : 20

Answer Explaination -

This series is

14 + 6 = **20,**

20 + 62 = 56,

56 + 63 = 272,

272 + 64 = 1568,

1568 + 65 = 9344,

Section : - Quantitative Aptitude

Directions : -

Question : -20

Look at the following series and find the missing value

10 , 13 , ? , 95 , 386, 1937

- 30

- 18
- 49
- 63
- None of the above

Correct Answer : 30

Answer Explaination -

This Series is based on

10 * 1 + 3 = 13

13 * 2 + 4 = 30,

30 * 3 + 5 = 95,

95 * 4 + 6 = 386,

386 * 5 + 7 = 1937

Section : - Quantitative Aptitude

Directions : -

Question : -21

Look at the following series and find the missing number

2800 , 1408 , 712 , ? , 190 , 103

- 284
- 245
- 364
- 259
- None of the above

Correct Answer : 364

Answer Explaination -

This series is ÷ 2 + 8 repeated

Section : - Quantitative Aptitude

Directions : -

Question : -22

Look at the following series and find the missing number

150 , 275 , 339 , 366 , 374 , ?

- 490
- 395
- 431
- 375
- None of the above

Correct Answer : 375

Answer Explaination -

The series is $+5^3$, $+4^3$, $+3^3$, $+2^3$, $+1^3$

Section : - Quantitative Aptitude

Directions : -
Question : -23
2508 ÷ 15.02 + ? x 11 = 200

- 13
- 8
- 4
- 3
- 5

Correct Answer : 3

Answer Explaination -

2508 ÷ 15.02 ÷ ? x 11 = 200
? 2508/15 + ? x 11 = 200
? ? = (200 - 167.2) x 1/11 = 2.98 ? 3

Section : - Quantitative Aptitude

Directions : -
Question : -24
2375.85 ÷ 18.01 - 4.525 x 8.05= ?

- 86
- 96
- 92
- 84
- 88

Correct Answer : 96

Answer Explaination -

? = 2375.85 ÷ 18.01 - 4.525 x 8.05
= 2376 ÷ 18 - 4.5 x 8 = 132 - 36 = 96

Section : - Quantitative Aptitude

Directions : -
Question : -25
198.995 x 12.005 + 16.25 x 6.95= ?

- 2620
- 2600
- 2590
- 2580
- 2500

Correct Answer : 2500

Answer Explaination -

? = 198.995 x 12.005 + 16.24 x 6.95
= 199 x 12 +16 x 7 = 2388 + 112 = 2500

Section : - Quantitative Aptitude

Directions : -

Question : -26
127.007 x 7.998 + 6.05 x 4.001= ?

- 1090
- 1200
- 1240
- 1140
- 1040

Correct Answer : 1040

Answer Explaination -

? = 127.007 x 7.998 + 6.05 x 4.001
= 127 x 8 + 6 x 4 = 1016 + 24 = 1040

Section : - Quantitative Aptitude

Directions : -
Question : -27
17.995 x 16.005 +15.999 x 15.001= ?

- 518
- 528
- 578
- 558
- 548

Correct Answer : 528

Answer Explaination -

? = 17.995 x 16.005 + 15.999 x 15.001
= 18 x 16 + 16 x 15 = 16 x (18 + 15)
= 16 x 33 = 528

Section : - Quantitative Aptitude

Directions : -
Question : -28
198.001 x 25 + 112.05 x 24.998 = ?

- 7570
- 7500
- 7520
- 7550
- 7750

Correct Answer : 7750

Answer Explaination -

? = 198.001 x 25 + 112.05 x 24.998
= 198 x 25 + 112 x 25
= 25(198 + 112)
= 25 x 310 = 7750

Section : - Quantitative Aptitude

Directions : -
Question : -29
(21 + 99) x (30 - 19.02) = ?

- 20000
- 40000
- 60000
- 70000
- None of the above

Correct Answer : None of the above

Answer Explaination -

(21+ 99) x (30 - 19.02)
? (21+ 99) x (30 - 19)
? 120 x 11 = 1320

Section : - Quantitative Aptitude

Directions : -
Question : -30
21 + 3.7 x 2.9 = ?

- 36
- 32
- 38
- 42
- 49

Correct Answer : 32

Answer Explaination -

21 + 3.7 x 2.9 = ?
? ? 21+ 4 x 3 ? 21 + 12 ? 33 ? 32

Section : - Quantitative Aptitude

Directions : -
Question : -31
3739 + 164 x 27 = ?

- 105400
- 4200
- 8200
- 4500
- 4520

Correct Answer : 8200

Answer Explaination -

3739 + 164 x 27 = ?
? = 3739 + 4428 = 8167 ? 8200

Section : - Quantitative Aptitude

Directions : -

Question : -32
26.823 x 27.923 x 4.5001 = ?

- 3500
- 3600
- 3700
- 3300
- 3400

Correct Answer : 3400

Answer Explaination -

26.823 x 27.923 x 4.5001
? 27 x 28 x 4.5000 = 756 x 4.5000 = 3402 ? 3400

Section : - Quantitative Aptitude

Directions : -
Question : -33
14.995 x 8.001 x 20.991 = ?

- 1950
- 2520
- 2590
- 2620
- 2720

Correct Answer : 2520

Answer Explaination -

? = 14.995 x 8.001 x 20.991
? 15 x 8 x 21 = 2520

Section : - Quantitative Aptitude

Directions : -
Question : -34
36.98276421 x 21.00002= ?

- 775
- 785
- 790
- 800
- 750

Correct Answer : 775

Answer Explaination -

36.98276421 x 21.00002
Using nearest value in whole number for 36.9827421 is 37 and 21.0002 is 21
? 37 x 21 = 777 ? 775

Section : - Quantitative Aptitude

Directions : -

Question : -35
23/5 x 15/26 x 283.75 = ?

- 440
- 435
- 410
- 425
- 415

Correct Answer : 425

Answer Explanation -

? = 23/5 x 15/26 x 283.75
? 13/5 x 15/16 x 284 = 426 ? 425

Section : - Quantitative Aptitude

Directions : -
Question : -36
157/8 x 231/5 + 34/5 x 51/8 = ?

- 360
- 365
- 370
- 375
- 385

Correct Answer : 385

Answer Explanation -

? = 127/8 x 116/5 + 19/5 x 41/8
= 14732/40 + 779/40 = 15511/40 = 387.7 ? 385

Section : - Quantitative Aptitude

Directions : -
Question : -37
(2/3) x (6/8) x (2/3) x (3/4) = ?

- 0.25
- 0.5
- 0.75
- 1
- 11.5

Correct Answer : 0.25

Answer Explanation -

(2/3) x (6/8) x (2/3) x (3/4) = 1/4 = 0.25

Section : - Quantitative Aptitude

Directions : -
Question : -38
503 x 201 = ?

- 101100
- 1000000
- 110000
- 110003
- 1100033

Correct Answer : 101100

Answer Explanation -

530 x 201 = 101103 ? 101100

Section : - Quantitative Aptitude

Directions : -

Question : -39

6885.009 - 419.999 - 94.989 = ?

- 6650
- 6470
- 6370
- 6680
- 6200

Correct Answer : 6370

Answer Explanation -

? = 6885.009 - 419.999 - 94.989
= 6885 - 420 - 95 ? 6370

Section : - Quantitative Aptitude

Directions : -

Question : -40

840.003 ÷ 23.999 = ?

- 47
- 8
- 35
- 18
- 28

Correct Answer : 35

Answer Explanation -

? = 840.003 ÷ 23.999
Here one number is increased and other is decreased to their nearest whole number
= 840 ÷ 24 = 35

Section : - Quantitative Aptitude

Directions : -

Question : -41

16.003 x 27.998 - 209.010 = ?

- 250
- 240

- 290
- 280
- 270

Correct Answer : 240

Answer Explaination -

? = 16.003 x 27.998 - 209.010
? ? 16 x 28 - 210 = 448 - 210
? = 238 ? 240

Section : - Quantitative Aptitude

Directions : -

Question : -42

125.009 + 69.999 + 104.989= ?

- 300
- 350
- 200
- 250
- 400

Correct Answer : 300

Answer Explaination -

125.009 + 69.999 + 104.989 = ?
Lets assume, each value is approximated to nearest whole number
? ? ? 125 + 70 + 105
? ? ? 300
