# Aptitude Exam 2

**50 Question**
**Time:1 hr**
**All The Best**
**All questions are mandetory.**

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**Trains A and B having lengths of 140 m and 160 m long run at the speed**    * 1 point
**of 60 km/hr and 40 km/hr respectively in opposite directions (on parallel**
**tracks). The time which they take to cross each other is:**

◉ 10.8 sec

○ 12 sec

○ 9.8 sec

○ 8 sec

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**A train 130 metres long and travelling at 45 km/hr crosses a bridge in 30**    * 1 point
**seconds. The length of the bridge:**

○ 200m

◉ 245m

○ 225m

○ 250m

Without stoppages a train travels a certain distance with an average speed of 60 km/h and with stoppages it covers the same distance with an average speed of 40 km/h. How many minutes per hour does the train stop?  * 1 point

○ 10 min/h

○ 15 min/h

◉ 20 min/h

○ 8 min/h

A boat goes 15 km upstream in 80 min. The speed of the stream is 5 km/h. The speed of the boat in still water is  * 1 point

○ 6.25 kmph

○ 17 kmph

○ 15 kmph

◉ 16.25 kmph

A sum of Rs. 800 amounts to Rs. 920 in 3 years at SI. If the interest rate is increased by 3% it would amount to how much?  * 1 point

○ 900

○ 800

◉ 992

○ 920

**A and B undertake to do a piece of work for Rs. 100. A can do it in 5 days and B can do it in 10 days. With the help of C, they finish it in 2 days. How much should C be paid for his contribution?**  * 1 point

○ Rs 20

◉ Rs 40

○ Rs 60

○ Rs 30

**. If 4 men can colour 48 m long cloth in 2 days, then 6 men can colour 36 m long cloth in**  * 1 point

◉ 1 day

○ 1 ½ days

○ ¾ day

○ ½ day

**Sashi can do a piece of work in 25 days and Rishi can do it in 20 days. They work for 5 days and then Sashi goes away. In how many more days will Rishi finish the work?**  * 1 point

○ 10 days

◉ 11 days

○ 14 days

○ 12 days

**A and B together have Rs. 1210. If 4/15 of A's amount is equal to 2/5 of B's** * 1 point
**amount, how much amount does B have?**

○ 460

○ 550

⦿ 484

○ 664

**A sum of Rs. 36.90 is made up of 180 coins which are either 10p coins or** * 1 point
**25p coins. The number of 10 p coins is:**

○ 48

○ 60

○ 56

⦿ 54

**If Rs. 782 is divided into three parts, proportional to 1/2 : 2/3 : 3/4 then the** 1 point
**first part is:**

⦿ 204

○ 190

○ 196

○ 182

Clear selection

**A student multiplied a number by 3/5 instead of 5/3. What is the percentage error in the calculation?**                    * 1 point

- ⦿ 64%
- ◯ 34%
- ◯ 54%
- ◯ 44%

**In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid votes that the other candidate got, was:**                    * 1 point

- ◯ 2900
- ⦿ 2700
- ◯ 3100
- ◯ 3300

**A vendor bought toffees at 6 for a rupee. How many for a rupee must he sell to gain 20%?**                    * 1 point

- ◯ 3
- ⦿ 5
- ◯ 4
- ◯ 6

A shopkeeper expects a gain of 22.5% on his cost price. If in a week, his sale was of Rs. 392, what was his profit?                    1 point

○ 18.25

○ 70

◉ 72

○ 88

Clear selection

The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?                    * 1 point

○ 76

○ 76.5

◉ 85

○ 95

The average of runs of a cricket player of 10 innings was 32. How many runs must be made in his next innings so as to increase his average of runs by 4?                    * 1 point

○ 72

○ 74

○ 78

◉ 76

18. The population of a town increases 10% and 20% respectively in two consecutive years. The present population of the town is 10000. Then what will be the population of the town 2 years later?    * 1 point

○ 12100

◉ 13200

○ 14400

○ 12000

18. A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs.1000 more than B, what is D's share?    * 1 point

○ 500

○ 1000

◉ 1500

○ 2000

2 dragons and 8 unicorns are bought at an average of Rs.140. If the average * 1 point price of a unicorn is Rs.60. What is the average price of a dragon?

◉ 460

○ 920

○ 960

○ 480

By selling 33 meters of cloth, one gains the selling price of 11 meters. Find the gain percent.

* 1 point

○ 25%

○ 20%

◉ 50%

○ 33.33%

A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?

* 1 point

○ 7500

○ 8000

○ 8500

◉ 9000

A bag contains 7 red, 5 blue and 3 green balls. If 2 balls are picked at random, what is the probability that the first is red and the second is blue?

* 1 point

○ 2/15

◉ 1/6

○ 4/5

○ 3/10

 A is two years older than B, who is twice as old as C. If the total of the    * 1 point
ages of A, B and C be 27, then how old is B?

◉ 10 years

◯ 3 years

◯ 4 years

◯ 9 years

How many kilogram of sugar costing Rs. 9 per kg must be mixed with 27    * 1 point
kg of sugar costing Rs. 7 per kg so that the mixture costs Rs. 8.4 per kg?

◉ Rs 63/kg

◯ Rs 60/kg

◯ Rs 49/kg

◯ Rs. 44/kg

The difference between the CI and SI on a certain sum at 10% per annum    * 1 point
for 2 years is Rs. 631. Find sum.

◉ Rs.63100

◯ Rs. 6310

◯ Rs. 63200

◯ Rs. 60000

Two trains for Hogwarts leave Narnia at 6 a.m. and 6:45 a.m. and travel at * 1 point
100 kmph and 136 kmph respectively. How many kilometers from Narnia
will the two trains be together?

○ 272 km

○ 260 km

◉ 283.33 km

○ 262.4 km

* 1 point

A software programmer provider has been training its manpower in such a
way that 36 programmers could write 36 software programs of similar
nature in 36 hours. The company has received an order for getting 84
software programs of similar nature in 24 hours. How many additional
programmers should the company employ for this project?

○ 126

◉ 90

○ 100

○ 80

In an examination it is required to get a minimum of 30% of total marks to * 1 point
pass. A student got 110 marks and was declared failed by 10 marks. Then
what is the total marks?

○ 600

○ 500

◉ 400

○ 300

**An amount of money is to be divided between P, Q and R in the ratio of 3 :** * 1 point
**7 : 12. If the difference between the shares of P and Q is Rs.2400, what**
**will be the difference between Q and R's share?**

○ 2800

⦿ 3000

○ 2400

○ 3200

**The average age of husband, wife and their child 3 years ago was 27 years** * 1 point
**and that of wife and the child 5 years ago was 20 years. The present age**
**of the husband is:**

○ 35

○ 60

⦿ 40

○ 45

**If gain is half of SP, the gain percentage is _____? ***                    1 point

○ 50%

○ 33.33%

○ 25%

⦿ 100%

A basket contains 6 apples, 4 pears and 3 oranges marbles. If 2 fruits are * 1 point
picked at random, what is the probability that both are pears?

○ 4/13

◉ 1/13

○ 2/13

○ 3/26

The sum of the present ages of a father and his son is 60 years. Six years * 1 point
ago, father's age was five times the age of the son. After 6 years, son's age
will be:

◉ 20 years

○ 26 years

○ 18 years

○ 16 years

The compound interest on a certain sum for 2 years at 10% per annum is * 1 point
Rs. 525. The simple interest on the same sum for double the time at half
the rate percent per annum is

○ Rs. 600

○ Rs. 2500

◉ Rs. 500

○ Rs. 300

**The knowledge of 6 persons X, Y, Z, A, B and C in relation to each other is**  * 1 point
**given. X knows more than A. Y knows as much as B. Z knows less than C**
**who knows less than B. A knows more than Y. The most knowledgeable**
**person amongst all is:**

◉ X

◯ Y

◯ A

◯ C

**If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY**  * 1 point
**coded in that code?**

◯ CPNCBX

◉ CPNCBZ

◯ CPOCBZ

◯ CQOCBZ

**Choose the set in which the statements are logically related.** *          1 point

**I. X and Y are siblings.**

**II. X and Y do not quarrel.**

**III. Siblings are known to quarrel often.**

**IV. X and Y quarrel often.**

**V. All those who quarrel are siblings.**

**VI. X and Y cannot be siblings.**

○ II, IV, V

○ I, IV, VI

◉ I, III, IV

○ I, II, V

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**Bran said to Rickon, "That boy playing with the football is the younger of**          * 1 point
**the two sons of the daughter of my father's wife." How is the boy playing**
**football related to Bran?**

○ Brother-in-law

○ Son

◉ Nephew

○ Brother

**AA, BB, CC, DD and EE are five girls competing in a running race. CC and**    * 1 point
**AA have at least two girls ahead of each of them. EE and AA do not have**
**more than one girl behind each of them. Who arrives at the finish line after**
**two girls as well as before two other girls, if no two girls finish the race at**
**the same time?**

- ○ BB
- ○ DD
- ○ EE
- ⦿ CC

**At a buffet, six sweets are in a circular order on a table. Chocobar is**    * 1 point
**opposite to Doughnut. There is one sweet between Eclairs and Froyo.**
**Icecream sandwich is to immediate right of Doughnut. Kitkat is one of the**
**sweets. Which sweet is second to the left of Icecream sandwich?**

- ○ Eclairs
- ○ Froyo
- ⦿ Kitkat
- ○ A or B

**A boy runs 5 km towards East and then turns left and walks 6 km. Again he** * 1 point
**turns right and walks 9 km. Finally, he turns to his right and walks 6 km.**
**How far is he from the starting point and in which direction?**

- ○ 9km, West
- ⦿ 14km, East
- ○ 9km, East
- ○ 14km, West

A family consists of six members P, Q, R, S, T and U. There are two married * 1 point
couples. Q is a doctor and the father of T. U is grandfather of R and is a
contractor. S is grandmother of T and is a housewife. There is one doctor,
one contractor, one nurse, one housewife and two students in the family.
Which of the following is definitely a group of male members?

◉ QU

○ QUT

○ QUP

○ UT

Tom started chasing Jerry from the dining table, ran behind him for 16√2 * 1 point
m towards South-West, from there 2 m towards the East, then 9 m towards
North, and then 2 m towards East and finally he ran for 7 m till the door in
the North and caught Jerry. In which direction is the dining table with
respect to the door?

○ North-West

○ West

◉ East

○ South-East

Sam's rank from the beginning of the class is 20 and from the end of the * 1 point
class is 21. What is the strength of the class?

○ 41

◉ 40

○ 39

○ 42

**Seven boys – Bruce, Tony, Stephen, Peter, Rogers, Clark and Barry are sitting in a row. Tony sits to the immediate left of Stephen and third to the right of Bruce, whereas Peter who sits at the extreme left, is next to Barry. If only Tony sits between Clark and Stephen, who is exactly in the middle of all the boys?**   * 1 point

○ Clark

○ Stephen

◉ Rogers

○ Bruce

**A boy runs 5 km towards East and then turns left and walks 6 km. Again he** * 1 point **turns right and walks 9 km. Finally, he turns to his right and walks 6 km. How far is the starting point from his present position and in which direction?**

○ 9km, West

◉ 14km, East

○ 9km, East

○ 14km, West

**If in a certain language, ENDGAME is coded as DNCGZMD, how is FAMINE** * 1 point **coded in that code?**

○ FBMJND

○ FZMHND

○ GANIOE

◉ EALIME

**Six people America, Bhutan, China, Denmark, Ecuador, and France are sitting in a row. America and France are sitting adjacent to each other. China is two places to the right of Ecuador and neither of them is sitting at the extreme ends. There is one person sitting between America and Bhutan. Who is sitting to the immediate right of Ecuador?**       * 1 point

○ America

○ France

◉ Denmark

○ Bhutan

**Shaktiman started chasing Kilvish from his home, ran behind him for 16√2 m towards South-West, from there 2 m towards the East, then 9 m towards North, and then 2 m towards East and finally he ran for 7 m till the playground in the North and caught Kilvish. In which direction is his home with respect to the playground?**       * 1 point

○ North-West

○ West

◉ East

○ South-East

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