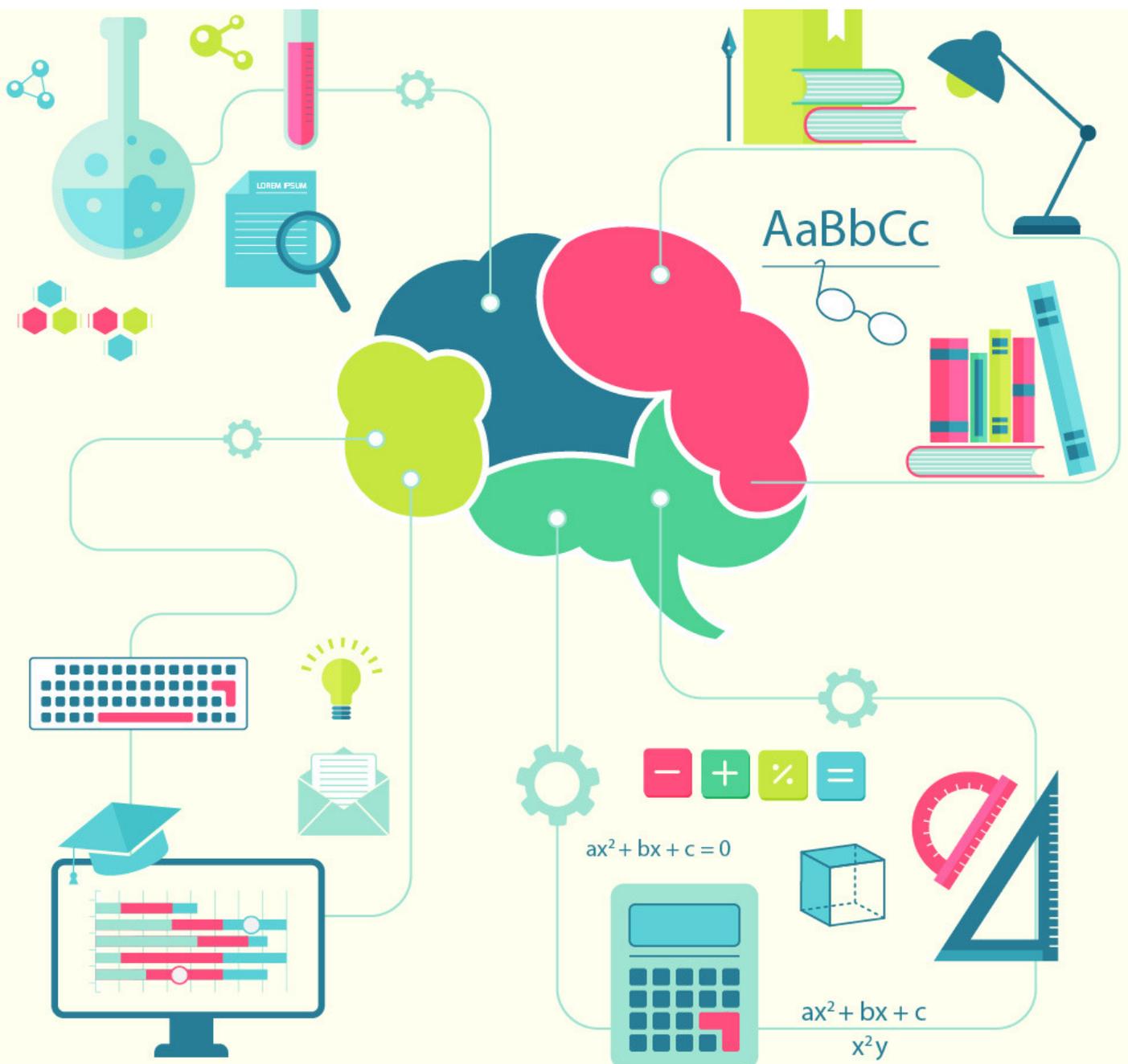


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IBPS Clerk Quantitative Aptitude Questions with Answers PDF

3 Nov 2017





Question 1:

Three friends J, K and L jog around a circular stadium and complete one round in 12, 18 and 20 seconds respectively. In how many minutes will all the three meet again at the starting point

- a) 5
- b) 8
- c) 12
- d) 3
- e) None of these

Question 2:

The speed of a boat when travelling downstream is 32 Kms. / Hr. , whereas when travelling upstream it is 28 kms/hr. What is the speed of the boat in still water ?

- a) 27 Kms/Hr.
- b) 29 Kms/Hr.
- c) 31 Kms/Hr.
- d) Cannot be determined
- e) None of these

Question 3:

If I walk at 4 km/h, I miss the bus by 10 min. If I walk at 5 km/h, I reach 5 min before the arrival of the bus. How far I walk to reach the bus stand?

- a) 5 km
- b) 5.5 km
- c) 6 km
- d) 7.5 km
- e) None of these

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Question 4:

The speed of a boat in still water is 15 km/hr and the rate of current is 3 km/hr. The distance travelled down stream in 12 minutes is:

- a) 3.3 km
- b) 2.9 km
- c) 2.4 km
- d) 3.6 km
- e) None of these

Question 5:

An express train travelled at an average speed of 75 km/h stopping for 5 min every 125 km. How long did it take to reach its destination 375 km from the starting point?

- a) 6 h 30 min
- b) 4 h 45 min
- c) 3 h 15 min
- d) 5 h 10 min
- e) None of these

Question 6:

A boat's speed with the current is 15 kmph and the boat's speed against the current is 5 kmph. What is the speed of the current?

- a) 15 kmph
- b) 10 kmph
- c) 5 kmph
- d) 20 kmph
- e) None of the above

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Question 7:

The average speed of a bus is 8 times the average speed of a bike. The bike covers a distance of 186 km in 3 hours. How much distance will the bus cover in 10 hours ?

- a) 4069 km
- b) 4096 km
- c) 4960 km
- d) 4690 km
- e) None of these

Question 8:

A 210 m long train takes 6 s to cross a man running at 9 km/h in a direction opposite to that of the train. What is the speed of the train? (in km/h)

- a) 127
- b) 121
- c) 117
- d) 108
- e) 111

Question 9:

A truck covers a distance of 640 km in 10 h. A car covers the same distance in 8 h. What is the respective ratio between the speed of the truck and the car?

- a) 3: 4
- b) 1: 2
- c) 5: 6
- d) 6: 7
- e) None of these

IBPS Clerk 2017 Syllabus



Question 10:

Faisal walks 325 m every day .How many kilometers will he walk in four weeks?

- a) 6.2
- b) 9.1
- c) 8.6
- d) 7.8
- e)None of these

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Solutions:

1) Answer (D)

All the three friends will meet at the starting point again after X seconds, such that X is the LCM of the times taken by J, K and L to complete one round.

=> LCM of 12, 18 and 20 = 180 seconds = 3 minutes.

Hence 3 minutes is the answer.

2) Answer (E)

Let the speed of boat in still water be v and the speed of water be x .

Boat speed while going upstream = $v-x = 28$

Boat speed while going downstream = $v+x = 32$

=> $2v = 60 \Rightarrow v = 30$

Hence, none of these is the correct answer.

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3) Answer (A)

Suppose the required distance be d km/h

$$\text{Then, } d/4 - d/5 = 15 \text{ min} = 1/4 \text{ h} \Rightarrow d \cdot 1/20 = 1/4 \Rightarrow d = 5 \text{ km}$$

4) Answer (D)

Speed downstream = $(15 + 3)$ kmph = 18 kmph.

$$\text{Distance traveled} = (18 \times 12/60) \text{ km} = 3.6 \text{ km.}$$

5) Answer (D)

Time taken to cover 375 km = $(375/75) \text{ h} = 5 \text{ h}$

$$\text{Number of stoppages} = 375/125 - 1 = 2$$

$$\text{Total time to stoppages} = (5 \times 2) \text{ min} = 10 \text{ min}$$

Hence, total time taken = 5 h 10 min

6) Answer (C)

With the current => downstream

Against the current => upstream

Let the speed of the boat be 's' and the speed of the river be 'r'.

$$\text{So, } s - r = 5 \text{ and } s + r = 15$$

$$\Rightarrow 2s = 20 \Rightarrow s = 10 \text{ and } r = 5 \text{ kmph}$$

Speed of the current = 5 kmph

7) Answer (C)

Let x be the speed of bike and y be the speed of bus.

$$y = 8x$$

Also, bike covers 186 kilometers of distance in 3 hours

$$\text{Therefore, } x = 186/3 = 62 \text{ km/hr}$$

$$\text{Now, } y = 8x = 496 \text{ km/hr}$$

Distance covered by bus in 10 hours with this speed = 4960 km/hr

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8) Answer (C)

Speed of train = x

Relative speed = $x + 9(5/18) = x + 2.5$

Speed = $210/6 = 35\text{m/s}$

$x + 2.5 = 35 \Rightarrow x = 32.5 \text{ m/s} = 32.5 * (18/5) = 6.5 * 18 = 117 \text{ kmph}$

9) Answer (E)

We know the formula of speed which is Speed = Distance/Time

Speed of a truck = $640/10 = 64$

Speed of a car = $640/8 = 80$

Ratio of speed of truck and car = $64:80 = 4:5$

10) Answer (B)

Number of days in 4 weeks = $4*7 = 28$

Since Faisal walks 325 m every day

Distance walked in 28 days = $325*28 = 9100\text{m}$

$9100\text{m} = 9.1\text{km}$

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