

IBS Software Services Aptitude Paper Questions

Q1. Two friends are at A. They go to B and back to A. One is on cycle while the other is rowing a boat parallel to the road. Who will reach first if speed of cyclist is 12 km/h, sailor is 10 km/h and the river has a flow of 4 km/h?

- a) Cyclist
- b) Sailor
- c) Both
- d) None

Q2. There is a road beside a river. Two friends started from a place A, moved to a temple situated at another place B and then B and then returned to A again. One of them moves on a cycle at a speed of 12km/hr, while the other sails on a boat at a speed of 10km/hr. If the river flows at the speed of 4 km/hr, which of the two friends will return to place A first?

- a) boat sailor
- b) cyclist
- c) both
- d) cannot determine

ANS: a.

Q3. If the time shown by a clock is 2:27, then what time does its mirror image show?

- a)10:33
- b) 9:33
- c) 9:37
- d) 10:23

ANS: b

Q4. In a class of 18 students the average age of the students with the first twelve roll numbers is 15 years and that of the last 12 is 16 years. If the average age of the

students with the middle six roll numbers is 14 years, then what is the average age of the entire class?

- a) 15 years
- b) 16 years
- c) 15.5 years
- d) 16.5 years

ANS: b

Q5. From 1900 to 2000, what is the probability that any randomly picked year will have 53 Sundays, including both years?

- a) 18/101
- b) 5/101
- c) 81/101
- d) 6/202

Q6. Rama types 10 pages in 5 minutes. Asha 5 pages in 10 minutes. How much pages can they do in 30 minutes?

- a) 15
- b) 20
- c) 25
- d) 75

Q7. Deepak walked at 4 kmph for a certain part of his journey and took an auto, travelling at 25 kmph for the rest of the journey. If he took 42 minutes for the entire journey, what part of the journey did he walk given that his average speed for the entire journey was 10 kmph?

- a) 1 km
- b) 2 km
- c) 4 km
- d) 5 km

ANS: b.

Q8. A girl undertook a journey partly by auto and partly on foot. If she walked at 4 kmph and the auto had a speed of 25 kmph, she took 42 minutes for the entire journey. What was the distance she covered on foot if her average speed was 10 kmph?

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

Q9. What will be the distance between two buses if they start from 150 kms distance in opposite direction?

Bus 1: goes straight for 25 km, takes a right for 15 km, takes a left for 25 km, and then changes direction to enter the main road.

Bus 2: travels straight 35 km on the main road due to minor breakdown.

- a) 65 km
- b) 75 km
- c) 85 km
- d) 95 km

Q10. Arjun took a four digit number, subtracted the sum of it from it and struck off one digit. Which digit did he strike off if the other three are 2,4 and 8?

- a) 3
- b) 4
- c) 5
- d) 6

Q11. A party has a grandmother, father, mother, 4 sons, their wives with one son and 2 daughters to each couple. How many total females are there?

- a) 14

- b) 16
- c) 18
- d) 24

Q12. 9,17,88,176,847,1595---. What is the next digit?

- a) 7542
- b) 7546
- c) 7548
- d) 7550

Q13. January 1950 had exactly 4 Saturday and 4 Wednesday. Which day of the week was the Indian republic day?

- a) Monday
- b) Tuesday
- c) Thursday
- d) Friday

Q14. If 20% of A is B then B% of 20 is?

- a) 4% of A
- b) 5% of A
- c) 20% of A
- d) None

Q15. A, B and C pipes fill a tank in 5 hours. C is twice as fast as B. B is twice as fast as A. How much time will pipe A take to fill the tank alone?

- a) 20 hrs
- b) 25 hrs
- c) 35 hrs
- d) Can not say

Q16. 10,28,38,49,....,70,77

- a) 58
- b) 60
- c) 62
- d) 64

Q17. Embroider:cloth is?

- a) Patch:quilt
- b) Stain:glass
- c) Carve:knife
- d) Chase:metal

Q18. Errata:books is ____:flaws

- a) Manuscript
- b) Metals
- c) Speech
- d) Charter

Q19. A rabbit and fox are 100 m apart when fox starts chasing the rabbit which the rabbit sees after 2 minutes. The rabbit then starts running in the opposite direction to a burrow which is 40 m. The rabbit covers 1 m in 3 leaps and the fox covers 3 m in 4 leaps. The fox is running at 20 m/min, what should be the speed of the rabbit in order to just reach the burrow? (leaps/min)

- a) 24
- b) 22
- c) 18
- d) 20

Q20. Probability of a man hitting a target is $\frac{3}{4}$. He tries 5 times. What is the probability that he will hit 3 times?

- a) 292/364
- b) 459/512
- c) 371/464
- d) 471/502

Q21. She is the daughter of the woman who is the mother of the husband of my mother. Who is she?

- a) Aunt
- b) Grand daughter
- c) Daughter
- d) Sister

Q22. Archana began her work somewhere between 3 and 4 pm. When she completed her work, somewhere between 5 and 6pm she noted that hour and minute hand positions at beginning of her work were exactly the same for minute and hand when she finished. How long did she take?

- a) 7/13 min
- b) 6/13 min
- c) 10/13 min
- d) 3/13 min

Q23. A person married at 27 years. He is celebrating his birthday. On the cake, no of candles equal his age and are six times the number of years he has been married plus two. What is his age?

- a) 42
- b) 37
- c) 35
- d) 32

Q24. Mr. Dua invested money in two schemes A and B offering compound interest @8p.c.p.a and 9 p.c.p.a respectively. If the total amount of interest accrued through two

schemes together in two years was Rs.4828.30 and the total amount invested was Rs.27000. What was the amount invested in Scheme A?

Q25. I take a four digit number and subtract the sum of its digits from it. In the result I strike off one of the digits and the remaining three digits of the result are 2, 4 and 6 (not necessarily in that order). Find the digit struck off by me.

- a) 3
- b) 4
- c) 5
- d) 6

Q26. Shivani started her homework assignment at a particular time between 3 and 4 O'clock. When she completed her assignment between 5 and 6 O'clock, she found the hour and minute hand positions to be the same as those of the minute and hour hands respectively when she started her assignment. How long did she spend on the assignment? (Clock)

- a) $112 \frac{7}{13}$ minutes
- b) $108 \frac{3}{13}$ minutes
- c) $109 \frac{6}{13}$ minutes
- d) $110 \frac{10}{13}$ minutes

Directions for Q27 - Q30:-

A cube of 4 cm is taken. Two opposite surfaces are painted red while other two are painted green. Of the remaining one is white while other is black. Now the cube is cut into 64 smaller cubes. Answer the following 4 questions on this basis.

Q27. How many have red, green and white?

- a) 2
- b) 4
- c) 6
- d) 8

Q28. How many have only black?

- a) 12
- b) 8
- c) 4
- d) 16

Q29. How many cubes have only green?

- a) 16
- b) 12
- c) 4
- d) 8

Q30. How many have only red and black?

- a) 4
- b) 12
- c) 6
- d) 2