

Latest HTC Global Services Aptitude, Technical Questions

APTITUDE:

Q1. The length of hall is $\frac{4}{3}$ times its breadth. If the area of the hall be 300 square metres the difference between the length and the breadth is:

- a. 15 metres
- b. 4 metres
- c. 3 metres
- d. none of these

Q2. A sum was put at simple interest at a certain rate for 2 years. Had it been put at 1% higher rate, it would have fetched Rs. 24 more. The sum is:

- a. Rs. 600
- b. Rs. 1200
- c. Rs. 800
- d. Rs. 480

Q3. 15 litres of a mixture contains 20% alcohol and the rest water. If 3 litres of water be mixed in it, the percentage of alcohol in the new mixture will be:

- a. 17
- b. 16
- c. 18
- d. 15

Q4. The average of five results is 46 and that of the first four is 45. The fifth result is:

- a. 1
- b. 10

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- c. 12.5
- d. 50

Q5. 729 ml. of a mixture contains milk and water in the ratio 7: 2. How much more water is to be added to get a new mixture containing milk and water in ratio 7: 3?

- a. 600 ml.
- b. 710 ml.
- c. 520 m.
- d. none of these

Q6. A man lends Rs. 10000 in four parts. If he gets 8% on Rs. 2000, 7 on Rs. 4000 and 8 on Rs. 1400 what percent must he get for the remainder, if the average interest is 8.13%?

- a. 7%
- b. 9%
- c. 9
- d.10

Q7. If each side of a cube is doubled, then its volume

- a. is doubled
- b. becomes 4 times
- c. becomes 6 times
- d. becomes 8 times

Q8. The mean proportional between 0.32 and 0.02 is:

- a. 34

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b. 3

c. 16

d. 08

Q9. A tank can be filled by one tap in 20 min, and by another in 25 min. both the taps are kept open for 5 min, and then the second is turned off. In how many minutes more is the tank completely filled?

a. 17 min

b. 12 min

c. 11 min

d. 6 min

Q10. At a game of billiards A can give B 15 points in 60 and A can give C 20 in 60. How many can B give C in a game of 90?

a. 30 points

b. 20 points

c. 10 points

d. 12 points

Q11. A contract is to be completed in 56 days and 104 men were set to work, each working 8 hours a day. After 30 days of the work is completed. How many additional men may be employed, so that the work may be completed in time, each man now working 9 hours a day?

a. 60

b. 56

c. 70

d. 42

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Q12. A tap can fill a tank in 16 minutes and another can empty it in 8 minutes. If the tank is already half full and both the taps are opened together, the tank will be:

- a. filled in 12 min
- b. emptied in 12 min
- c. filled in 8 min
- d. emptied in 8 min

Q13. On July 2, 1985 it was Wednesday. The day of the week on July 2, 1984 was:

- a. Wednesday
- b. Tuesday
- c. Monday
- d. Thursday

Q14. A train 50 metres long passes a platform 100 metres long in 10 seconds. The speed of the train is:

- a. 10 km/hr
- b. 15 km/hr
- c. 54 km/hr
- d. 100 km/hr

Q15. A sum of money is sufficient to pay As wages for 21 days or Bs wages for 28 days. The money is sufficient to pay the wages of both for:

- a. 12 days
- b. 12 days

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- c. 14 days
- d. none of these

Q16. A can run a kilometer in 4 min 54 sec and B in 5 min. How many metres start can A give B in a km race so that the race may end in a dead heat?

- a. 20 metres
- b. 16 metres
- c. 18 metres
- d. 14.5 metres

Q17. In a class, there are 20 boys whose average age is decreased by 2 months, when one boy aged 18 years is replaced by a new boy. The age of the new boy is:

- a. 14 years 8 months
- b. 15 years
- c. 16 years 4 months
- d. 17 years 10 months

Q18. The ratio of milk and water in 66 kg of adulterated milk is 5: 1. Water is added to it to make the ratio 5: 3. The quantity of water added is:

- a. 22 kg.
- b. 24.750 kg.
- c. 16.500 kg.
- d. 20 kg

Q19. A, B, C, enter into a partnership and their capitals are in the proportion of A withdraws half his capital at the end of 4 months. Out of a total annual profit of Rs. 847, A share is:

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- a. Rs. 252
- b. Rs. 280
- c. Rs.315

- d. Rs. 412

Q20. A train crosses a platform 100 metres long in 60 seconds at a speed of 45 km per hour. The time taken by the train to cross an electric pole is:

- a. 8 seconds
- b. 1 minute
- c. 52 seconds
- d. data inadequate

TECHNICAL:

Q21. What is difference between BVA and Equivalence Partitioning? Explain BVA for three digits?

Q22. Write a program to get a string and to convert the 1st letter of it to uppercase?

Q23. What is object slice?

Q24. How do you skip a Step in JCL?

Q25. How to get top 10 Salaries from a Table?

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Q26. Difference between informatica 8.1.1 and 8.6? Difference between informatica 7x and 8x?

Q27. Write a program to create a sentence at run time and count number of vowels in it.

Q28. Write a c-program to find GCD using recursive functions.