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APTITUDE:

Q1. A, B, C worked together, A can do the work in 12 days, B can do in 9 days. Profit earned was divided in the ratio 4:3:2. C can do the work in how many days?

Q2. In a right angled triangle, 2 sides were given of 3 and 5 cm, we were supposed to find out the area of the inner circle inscribed inside the triangle.

Directions for questions 3 to 5:

If a cube is painted on all faces and cut in 125 cubes then,

Q3. What is total number of cubes painted on two sides?

- a) 64
- b) 36
- c) 48
- d) 44

Q4. What is the total number of cubes painted on one side?

- a) 54
- b) 66
- c) 64
- d) 16

Q5. What is the total number of cubes not painted on any side?

- a) 66
- b) 27

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- c) 25
- d) 30

Q6. $ax^2 + bx + c = 0$, $dx^2 + ex + f$ both have equal roots then which conditions will get satisfied?

TECHNICAL:

Q7. Member Function can be

- a) are always public
- b) are always private
- c) can be any one of them.

Q8. List of numbers were given and they were sorted in 4 iterations:

11 21 55 65 41 31
11 21 55 65 31 41
11 21 55 65 31 41
11 21 31 41 55 65

Which sorting algorithm is used here?

- a) Merge sort
- b) Selection sort
- c) insertion sort
- d) quick sort

ANS: a

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Q9. In inheritance object agr destructed by---?

Q10. Virtual constructor exit or not?

Q11. RTTI stands for?

Q12. int * const ptr

- a) *ptr++ is legal
- b) ++ptr
- c) both are illegal
- d) none

Q13. ----- allows to group our classes objects and methods/functions.

Q14. What are the ways of writing templates?

Q15. Which function can access private and protected data members?

Q16. Which condition is the safest to use with any data type?

- a) if(x!=0)
- b) if(x==0)
- c) if(!x)

Q17. What concept is implemented in C out and C in?

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Q18. How persistent objects are implemented in C++?

- a) temporary
- b) Permanent