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UPSC / STATE PCS

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SSC / BANK

APTITUDE QUIZ

Q.1. A sum of Rs. 312 was divided among 100 boys and girls in such a way that each boy gets Rs. 3.60 and each girl Rs. 2.40. The number of girls is:
(A) 35

(B) 40

(C) 60

(D) 65

ANSWER:B

Q.2. Each boy contributed rupees equal to the number of girls and each girl contributed rupees equal to the number of boys in a class of 60 students. If the total contribution thus collected is Rs. 1600, how many boys are there in the class?
(A) 25

(B) 30

(C) 50

(D) Data inadequate

ANSWER:D

Q.3. In an examination, a student scores 4 marks for every correct answer and loses 1 marks for every wrong answer. If he attempts all 60 question and secure 130 marks, the number of question he attempts correctly is:
(A) 35

(B) 38

(C) 40

(D) 42

ANSWER:B

Q.4. A cricket team won 3 matches more than they lost. If a win gives them 2 points and loss (-1) point, how many matches, in all, have they played if their score is 23?

(A) 17

(B) 20

(C) 37

(D) 40

ANSWER:C

Q.5. On children's Day, sweets were to be equally distributed among 175 children in a school. Actually, on the children's Day, 35 children were absent and therefore each child got 4 sweets extra. Total how many sweets were available for distribution?

(A) 2400

(B) 2480

(C) 2680

(D) 2750

(E) None of these

ANSWER:E

Q.6. A certain number of tennis balls were purchased for Rs. 450. Five more balls could have been purchased in the same amount if each ball was cheaper by Rs. 15. The number of balls purchased was:

(A) 10

(B) 15

(C) 20

(D) 25

ANSWER:A

Q.7. The price of 10 chairs is qual to that of 4 tables. The price of 15 chairs and 2 tables together is Rs. 4000. The total price of 12 chairs and 3 tables is:

(A) Rs. 3500

(B) Rs. 3750

(C) Rs. 3840

(D) Rs. 3900

ANSWER:D

Q.8. The price of 2 sarees and 4 shirts is Rs. 1600. With the same money one can buy 1 saree and 6 shirts. If one wants to buy 12 shirts, how much shall he have to pay?

(A) Rs. 1200

(B) Rs. 2400

(C) Rs. 4800

(D) cannot be determined

(E) None of these

ANSWER:B

Q.9. In a classroom, if 6 students per bench are assigned to accommodate all student, one more bench will be required. However, if 7 students are accommodated per bench, there would be space left for 5 students. What is the number of students in the class?

(A) 30

(B) 42

(C) 72

(D) None of these

ANSWER:C

Q.10. In a group of buffaloes and ducks, the number of legs are 24 more than twice the number of heads. What is the number of buffaloes in the group?

(A) 6

(B) 8

(C) 10

(D) 12

ANSWER:D

Q.11. Two pipes A and B can separately fill a cistern in 60 minutes and 75 minutes respectively. There is a third pipe in the bottom of the cistern to empty it. If all the tree pipes are simultaneously opened, then the cistern is full in 50 minutes. In how much time the third pipe alone can empty the cistern?

(A) 80 min

(B) 100 min

(C) 110 min

(D) 120 min

ANSWER:B

Q.12. A Cistern can be filled by a tap in 4 hours while it can be emptied by another tap in 9 hours. If both the taps are opened simultaneously then after how much time will the cistern get filled?

(A) 4.5 hrs

(B) 5 hrs

(C) 6.5 hrs

(D) 7.2 hrs

ANSWER:D

Q13. A pump can fill a tank with water in 2 hours. Because of a leak, it took $2\frac{1}{3}$ hours to fill the tank. The leak can drain all the water of the tank in:

(A) $4\frac{1}{3}$ hrs

(B) 8 hrs

(C) 10 hrs

(D) 14 hrs

ANSWER:D

Q.14. A tap can fill a tank in 6 hours. After the tank is filled, three more similar taps are opened. What is the total time taken to fill the tank completely?
(A) 3 hrs

(B) 3 hrs 45 min

(C) 4 hrs

(D) 5 hrs 15.

ANSWER:B

Q.15. One pipe can fill a tank three times as fast as another pipe. If together the two pipes can fill the tank in 36 minutes, then the slower pipe alone will be able to fill the tank in :
(A) 80 min

(B) 108 min

(C) 144 min

(D 180 min

ANSWER:C

Q.16. A water tank is two-fifth full. Pipe A can fill a tank in 10 minutes and pipe B can empty it in 6 minutes. If both the pipes are open, how long will it take to empty or fill the tank completely?

(A) 6 min to empty

(B) 6 min to fill

(C) 8min to empty

(D) 8 min to fill

(E) None of these

ANSWER:A

Q.17. A tank is filled in 5 hours by three pipes A, B and C. The pipe C is twice as fast as B and B is twice as fast as A. How much time will pipe A alone take to fill the tank?

(A) 15 hrs

(B) 25 hrs

(C) 35 hrs

(D)45

(E) None of these

ANSWER:C

Q.18. Pipe A can fill a tank in 5 hours, pipe B in 10 hours and pipe C in 30 hours. If all the pipes are open, in how many hours will the tank be filled?

(A) 1

(B) 2.5

(C) 3

(D) 3.5

ANSWER:C

Q.19. A tank is filled by three pipes with uniform flow. The first two pipes operating simultaneously fill the tank in the same time during which the tank is filled by the third pipe alone. The second pipe fills the tank 5 hours faster than the first pipe and 4 hours slower than the third pipe. The time required by the first pipe is:

(A) 6 hrs

(B) 12 hrs

(C) 15 hrs

(D) 30 hrs

ANSWER:C

Q.20. Pipes A and B can fill a tank in 5 and 6 hours respectively. Pipe C can empty it in 12 hours. If all the tree pipe are opened together, then the tank will be filled in:

(A) $1\frac{13}{17}$ hours

(B) $2\frac{8}{11}$ hours

(C) $3\frac{9}{17}$ hours

(D) $4\frac{1}{2}$ hours

ANSWER:C