

Sercu Written Placement Test Paper

1. 2 passengers have together 560 kgs of luggage and are charged for the excess above the weight allowed at 10\$ and 26\$. If all the luggage had belonged to one of them he would have to pay 46\$. The amount of luggage each passenger is allowed without any charge is

- (a) 100 kg
- (b) 150 kg
- (c) 160 kg
- (d) Insufficient data

2. 6 pigs cost the same as 9 sheep. 27 sheep cost the same as 30 goats. 50 goats cost the same as 3 elephants. If two elephants cost \$4800, then the cost of one pig in dollar is

- (a) 120
- (b) 240
- (c) 105
- (d) 250

3. A wholesaler allows a discount of 20 % on the list price to the retailer. The retailer sells at 5% below the list price. If the customer pays Rs.19 for an article what profit is made by the retailer on it?

- (a) Rs.2
- (b) Rs.3
- (c) Rs.4
- (d) Rs.4.5

4. A circular metal plate of even thickness has 12 holes of radius 1 cm drilled into it. As a result the plate lost 1/6th its original weight. The radius of the circular plate is

- (a) $16\sqrt{2}$
- (b) $8\sqrt{2}$
- (c) $32\sqrt{2}$
- (d) $\sqrt{72}$

5. 3 machines a,b,c can be used to produce a product. Machine a will take 60 hours to produce a million units. Machine b is twice as fast as machine a. Machine c takes the same amount of time as machine a and b taken together. How much time will be required to produce a million units if all the three machines are used simultaneously?

- (a) 12 hours
- (b) 10 hours
- (c) 8 hours
- (d) 6 hours

6. There are 6 consecutive numbers P, Q, R, S, T, U, not necessarily in that order. Given that, Q is 2 less than P, P is 3 less than T and R is 2 less than S, arrange them in an ascending order.

Ans: QRPSUT

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10. There are seven persons up on the ladder. 'A' is further up than 'E' but is lower than 'C', 'B' is in the middle. 'G' is between 'A' and 'B'. 'E' is between 'B' and 'F'. If 'F' is between 'B' and 'D', then the person on the top of the ladder will be

- 1) A
- (2) B
- (3) C
- (4) D

11. A man is standing on the bridge 180 mtr long. Man observes that train passes him 8 sec. while it crosses bridge in 20 sec. find the length of the train.

Ans=120 mtr.

12. There was a egg seller who tell a person that 3 of his customers told him to buy half of eggs he have along with half an egg more. Find the total no of eggs with him initially.

Ans 7 eggs

13. What was day on 12 jan 1979 ?

ans-friday

14. if 1 egg will boil in 5 min then how much time it will take to boil 4 eggs?

15. In 1978, a kg of paper was sold at Rs25/-. If the paper rate increases at 1.5% more than the inflation rate which is 6.5% a year, then what will be the cost of a kg of paper after 2 years?

- (a) 29.12
- (b) 29.72
- (c) 30.12
- (d) 32.65
- (e) none of these

16. A starts business with Rs.3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the Capital ?

- A) Rs. 7500
- B) Rs. 8000
- C) Rs. 8500
- D) Rs. 9000

Ans : D

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