



ELECTROVERT 2018

The Performers' creed



Name of the Event :Exordium
Candidate's Code:

Date :8/09/2018
Time:

1. A tank can be filled by two tap A and B in 8 hour and 10 hours respectively. The full tank can be emptied by the third tap in 9 hours. If all the taps be turned on at the same time, in how much time will the empty tank be filled up completely?
A. 7.34 hours
B. 8.78 hours
C. 6.36 hours
D. 9.05 hours
2. Find the rank of word SPAIN in a dictionary
A. 114
B. 117
C. 115
D. 116
3. A and B can do a piece of work in 45 days and 40 days respectively. They began to do the work together but A leaves after some days and then B completed the remaining work in 23 days. The number of days after which A left the work was
A. 12
B. 11
C. 10
D. 9
4. A watch, which loses time uniformly, was observed to be 5 minutes fast at 8.00 p.m. On Thursday. It was noticed to be 7 minutes slow at 8.00 a.m. on the subsequent Monday. When did the watch show the correct time ?
A. 7 a.m. Saturday
B. 7 a.m. on Friday
C. 10 a.m. on Sunday
D. 11 a.m. on Friday
5. Working alone at its constant rate, machine A produces 'k' litres of chemical in 10 min. where machine B produces the same amount of chemical in 15 min. How much time does A and B require to produce 'k' litres of chemical if they both work simultaneously?
A. 5 min
B. 5.5 mins
C. 6 mins
D. 6.5 mins
6. What is the smallest number should be added in 680621 to make it a perfect square?
A. 4
B. 5
C. 6
D. 1
7. The calendar for the year 2007 will be the same for the year:
A. 2016
B. 2017
C. 2014
D. 2018
8. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are 30° and 45° respectively. If the lighthouse is 100 m high, the distance between the two ships is:
A. 300m
B. 173m
C. 273m
D. 200m

9. A car travels up a hill at a constant speed of 37 km/h and returns down the hill at a constant speed of 66 km/h. Calculate the average speed for the whole trip.

- A. 47.4 km/h
- B. 57.3 km/h
- C. 49.6 km/h
- D. 53.7 km/h

10. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:

- A. 14 years
- B. 15 years
- C. 19 years
- D. 18 years

11. The ratio of width of our National flag to its length is

- A. 3:4
- B. 2:3
- C. 2:4
- D. 3:5

12. Who invented the BALLPOINT PEN?

- A. Biro Brothers
- B. Waterman Brothers
- C. Bicc Brothers
- D. Write Brothers

13. Escape velocity of a rocket fired from the earth towards the moon is a velocity to get rid of the

- A. Earth's gravitational pull
- B. Moon's gravitational pull
- C. Centripetal force due to earth's rotation
- D. Pressure of atmosphere

14. For the Olympics and World Tournaments, the dimensions of basketball court are

- A. 26m × 14m
- B. 28m × 15m
- C. 27m × 16m
- D. 28m × 16m

15. Lok Sabha is the body of representatives of the people. The present membership of Lok Sabha is

- A. 545
- B. 535
- C. 568
- D. 520

16. Dr. Zakir Hussain was

- A. First muslim president of India
- B. First vice president of India
- C. First president of Indian National Congress
- D. First speaker of Lok Sabha

17. Hitler party which came into power in 1933 is known as

- A. Labour Party
- B. Nazi Party
- C. Ku-Klux-Klan
- D. Democratic party

18. Fathometer is used to measure

- A. Earthquakes
- B. Rainfall
- C. Ocean depth
- D. Sound intensity

19. India's tallest statue of the Jain sage Gomateswara is at

- A. Mysore, Karnataka
- B. New Delhi
- C. Sravanabelagola, Karnataka
- D. Mandu, Madhya Pradesh

20. Planets do not twinkle because:

- A. they emit light of a constant intensity
- B. their distance from the earth does not change with time
- C. they are very far away from the earth resulting in decrease in intensity of light
- D. they are nearer to earth and hence we receive a greater amount of light and, therefore minor variations in the intensity are not noticeable