

# Placement Paper of Cummins

## Technical-

*This section consists of 30 questions whose sample questions are given as follow-*

**Q1) the unit of 1 watt is**

- (a) 1 Nm/s
- (b) 1 Nm/hr

**Q2) the direction of electric field is**

- (a) same as direction of current
- (b) opposite to that of current
- (c) don't remember the other options

**Q3) The motion of electron in magnetic field is**

- (a) moves in straight line
- (b) in sine wave
- (c) perpendicular to the plane of propagation

**Q4) What is SCADA?**

- (a) Supervisory Control and Data Acquisition

**Q4) SCR diode is**

- (a) PNP diode
- (b) PNPP diode
- (c) None of these

**Q5) memory of 8085 microprocessor can be extended to 64k by**

- (a) using memory mapped .....
- (b) Cannot be increased
- (c) none of these

**Q6) serial connector used for connecting 30 devices is**

- (a) RS 232
- (b) RS 422
- (c) RS .....Don't remember
- (d) none of these

**Q7) question related to squirrel cage**

- (a) V/f
- (b) I/f
- (c) Armature resistance

**Q8) rotation in machines is related to**

- (a) mechanical degrees
- (b) electrical degrees
- (c) both

**Aptitude-**

*This section consists of 30 questions. The types of question asked are as follows-*

**Q1) Meaning of Avert**

- (a) turn away
- (b) transform

**Q2) Meaning of consonance**

**Q3) opposite of Protract**

**Q4) the sum of squares of numbers in the ratio 2:3:4 is 144. Find the numbers.**

**Q5) To a sugar solution of 3 litres containing 40% sugar, one litre of water is added. The percentage of sugar in new solution is:**

- (a) 13-1/3%
- (b) 15%
- (c) 30%
- (d) 33%

**Q6)** Question on depreciation from chapter of percentages of RS Aggarwal

**Q7) If  $x$  is less than 2 then which of following statements are always true?**

- (a)  $x$  is negative
- (b)  $x$  is positive
- (c)  $x^2$  is greater than or equal to 2
- (d)  $x^2$  is lesser than or equal to 2

**Q8) A sum of money is to be distributed in proportion 3:5. If one gets Rs.20 more than other then what is the sum of money?**

- (a) 100
- (b) 80
- (c) 60

**Q9) 2 men and 3 boys can do a piece of work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?**

**Q10) Pipe A can fill the cistern in 8 min and pipe B can fill the cistern in 6 min. If pipe A is opened for 1 min and pipe B is opened for 1 min then the total time to fill the cistern is:**

**Q11) Two cars A and B start at the same time in opposite directions and cover 4 miles. Now each car turn left and covers 3 miles. What is their aerial distance?**

**Q12) Find the next figure:**

4 pictures were given this was from verbal RS Aggarwal

**Q13) A figure was given: How many colors are needed so that no adjacent faces have same color?**

- (a) 3
- (b) 4
- (c) 5

**Q14) If 'PEOPLE' is written as 'PLPOTE' then 'TREND' is :**

**Q15) If UPSTREAM: SOURCE then**

(a) uphill: peak

(b) don't remember other options

**Q16) A cube is cut into smaller cubes such that each edge of cube is increased by 50%, find the % increase in surface area?**

(A) 200% (B) 100% (C) 125%

**Q17) A dice was given showing dots on 3 faces. 3 figures were given. Find the no of dots opposite to face showing 4 dots.**

