**PRAGATI ENGINEERING COLLEGE**

(Autonomous)

Training and Placement Cell

1. A cow and a horse are bought for 2 lakh . the cow is sold at a profit of 20% but horse is sold at a loss of 10%. Overall gain is Rs. 4000 . Find the cost price of the cow?

a) 75000 **b) 80000**c) 78000d) 84000

2. A person drives slowly along the perimeter of a rectangle path at 24kmph and completes one full round in 4min. If the ratio of length to breadth is 3:2 what are its dimensions?

**a) 320,480** b) 340,400c) 250,370 d) 300, 400

3.(a%(a)) +b%(b) = 2%(ab) what percent of a is b?

a)70 b) 80 **c) 90** d) 100

4)A can do a work in 12 days and B can do it 20 days and work together for 6 days and A left and in how many days the remaining part done by B ?

a) 2days **b) 4days** c) 5days d) 3days

5) There are 60 slots around a circle numbered 1 to 60. A man starts from first slot and jump to the fifth slot and from there he jumps to the 9th slot.... in which slot will he land in 2,200th jump? Ans. 41.

a) 37 b) 45 **c) 41** d) 49

6) A frog climbs 20ft wall. It climbs up 4ft in the first min and slips down one ft in second min. And again climbs up in 3rd min and slips down 1 ft in 4th min and so on. In how many min will it climb the 20ft wall?

**a) 12min 30sec** b) 1min 30sec

c) 14min 10sec d) 20min 44sec

7)Rank of LOVERS ?

a)150 b) 157 c) 143 **d) 163**

8) Rank of COLLEGE ?

a) 159 b) 169 **c) 179** d) 189

9)There are 7 boys and 7 girls in a class. In how many ways they can be seated in a row. So that no 2 boys and 2 girls should sit together ?

**a) 6!x7!**  b) 2x6!x7! c) 4!x5! d) 2x4!5!

10) There are 10 points in a plane out of which 8 points are collinear. How many triangles are formed?

a)75 b) 85 c) 95 **d) 100**

11)There are three trucks A, B, C. A loads @10kgs per min B loads @ 13 1/3kgs per min. If all the three trucks are working simultaneously. Find the time taken to load 2.4 tons?

a)125.4  **b) 130.9** c) 126.8 d) 135.4

12)find the units digit of 3 48 7 61 9 23 ?

**a)3** b) 7 c) 9 d) 5

13) If the price of an atom is decreased by 10% and then increased by 10%. Find the net effect on the item ?

a)+1% **b)-1%** c) +4% d) -4%

14)The milk and water in two vessels A and B are in the ratio of 4:3 and 2:3 . In what ratio they are mixed to obtaina new mixture in vessel C containing half milk and half warer ?

a)3:4 b) 3:5 **c) 7:5** d) 7:12

15)A complete in 10days B in 12 days c in 15 days. They all started working together and it was found that A left at the end of 2 days.. When the work was about to be completed, exactly 3 days before B left the work. Find the total days the work lasts?

a)4days b) 5days c) 6days **d) 7days**