17.10.19	T.T Maths	Time: 45 Mins
STD: XI (A-D)		Marks: 30

I. Choose the correct answer: 5x1=5

1. If $a^2\text{-}aC_2=(a^2-a)C_4$ then the value of a is
    a) 2   b) 3   c)4   d) 5

2. The number of 5 digit numbers all digits of which are odd is
    a) 25   b) 5^5 c) 5^6 d) 625

3. 1+3+5+7+………+17 is equal to
    a) 101   b) 81   c) 71   d) 61

4. If nC_4, nC_5, nC_6 are in AP the value of n can be
    a) 14   b) 11   c) 9   d) 5

5. Number of sides of a polygon having 44 diagonals is
    a) 4   b) 4!   c) 11   d) 22

II. Answer any 5 from the following: 5x5=25

6. If $(n+1)C_8:(n-3)P_4=57:16$, find the value of n.

7. A committee of 7 people has to be formed from 8 men and 4 women. In how many ways can this be done when the committee consists of
  i) exactly 3 women   ii) atleast 3 women   iii) atmost 3 women

8. i) How many diagonals are there in a polygon with n sides?
  ii) If $15C_{2r-1}=15C_{2r+4}$ find r.

9. Prove that if $1\le r \le n$ then $nx(n-1)C_{r-1}=(n-r+1)nC_{r-1}$

10. There are 11 points in a plane. No three of these lies in the same straight line except 4 points, which are collinear. Find
  i) the number of straight lines that can be obtained from the pairs of these points?
  ii) the number of triangles that can be formed for which the points are their vertices?

11. Find the number of strings of 5 letters that can be formed with the letters of the word PREPOSITION.

17.10.19	T.T Accountancy	Time: 45 Mins
STD: XI (E,H,I)		Marks: 30

I. Answer the following: 6x5=30

1. A company purchased a building for ₹50,000, the useful life of the building is 10 years and the residual value is ₹2,000. Find out the amount and rate of depreciation under straight line method.

2. Find out the rate of depreciation under straight line method.

	₹
Original cost of the asset	10,000
Estimated life of an asset	10 years
Estimated scrap value at the end	2,000

3. Ramu brothers purchased a machine on 1/7/16 at a cost of ₹14,000 and spent ₹1000 on its installation. The firm writes off depreciation at 10% of original cost very year. The books are closed on 31st December every year. Give Journal entry and prepare machinery account and depreciation account.

4. Joy & Co., purchased machinery on 1/4/16 for ₹75,000. On 31st March 2018, it sold the machinery for ₹ 62,000. Depreciation is to be provided every year at 10% p.a on the fixed installment method. Accounts are closed on 31st March every year. Find out the profit or loss on sale of machinery.

5. An asset is purchased on 1/4/10 for ₹4,50,000 and spent ₹ 50,000 on its installation. After having used it for three years, it was sold for ₹ 3,85,000. Depreciation is to be provided at the rate of 15% p.a on the fixed installment method. Accounts are closed at 31st March every year. Calculate profit or loss on sale of machinery.

6. On 1st April 2008, Sudha & Company purchased machinery for ₹ 64,000. To install the machinery expenses incurred was ₹ 28,000. Depreciate machinery 10% p.a. under straight line method. On 30/6/10 worn out machinery was sold for ₹ 52,000. The books are closed on 31st December every year. Show machinery account.

17.10.19   T.T Commerce   Time: 45 Mins

STD: XI (F,G)   Marks: 30

I. Choose the correct answer: 4x1=4

1. Which of the following holder is given voting right?
    a) Equity shares   b) Bonds   c) Debentures

2. It may be wise to finance fixed assets through _____.
    a) Bills discounting   b) Creditors   c) Long term debts

3. Debenture holders are entitled to a fixed rate of _____.
    a) Interest   b) Ratios   c) Profits

4. Equity share holders are the _____ of a company.
    a) Employees   b) Owners   c) Creditors

II. Answer the following:

5. List the sources of raising long term and short term finance. (8)

6. Define business finance.   (6)

7. Explain the need of fixed capital and working capital
   requirement of business.   (6)

8. Explain the following terms: (6)
   a) Debentures   b) Pledge