

SMT MMK COLLEGE OF COMMERCE AND ECONOMICS

SYJC MATHEMATICS PRACTICAL EXAMINATION- JAN 2019

DATE: 15/01/2019

MAX MARKS: 15

TIME: 1 HOUR

ATTEMPT ANY THREE OF THE FOLLOWING.

- 1) Draw the Venn diagram of the following statements  
a) All poets are intelligent    b) No poet is intelligent    c) Some poets are intelligent

- 2) Find the inverse of the matrix given below by adjoint method

$$A = \begin{bmatrix} 1 & 2 & 3 \\ -1 & 1 & 2 \\ 1 & 2 & 4 \end{bmatrix}$$

- 3) Determine  $l_1, l_2, l_3$  given that  $l_0=100, q_0=0.10, q_1 = \frac{1}{9}, p_2 = \frac{15}{16}$ .

- 4) Find the sequence that minimize that total time required for performing the following jobs on three machines in the order A,B,C processing time in hours is given

Jobs	1	2	3	4	5
M <sub>1</sub>	8	10	6	7	11
M <sub>2</sub>	5	6	2	3	4
M <sub>3</sub>	4	9	8	6	5

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