

MCKV INSTITUTE OF ENGINEERING

243, GT ROAD (NORTH), LILUAH, HOWRAH-711204, PH-2654931/17

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



ASSIGNMENT FOR CSE-AIML 3<sup>rd</sup> YEAR 1<sup>st</sup> SEMESTER YEAR-2024

LAST DATE OF SUBMISSION: - 27/08/2024

Paper Code: - PC-CS(AM) 502

Paper Name: - Artificial Intelligence

NAME (In Bold): -

ROLL NO: -

QUESTIONS	1
CO	CO3
Bloom's Taxonomy Level	Apply
Cognitive Level	IOCQ
MARKS	10

OVER ALL MARKS: -

Signature of Faculty with Date

**Instruction to the Candidate: -**

**All assignments should be submitted in A4 sheet with the front page attached as a printout. The answer must be written in good and clear handwriting failing which marks will be deducted. Diagrams should be drawn neatly with coloring pen to indicate step wise exploration of graph.**

**Both side of A4 pages should be utilized**



Question:-

E= All students in University, A=mlale students, B= bowlers, C=Batsmen. Assume that  $|E|=600$ ,  $|A|=300$ ,  $|B|=225$ ,  $|C|=160$ . Also, let the number of male students who are bowlers (A intersection B) be 100, 25 of whom are batsmen too (A intersection B intersection C), and the total number of male students who are batsmen (A inetrcection C) be 85. Determine the number of students who are (i) Females (ii) Not Bowlers (iii) Not Batsmen (iv) Females who can bowl but not bat.

Draw the Venn diagram for the given data and answer the questions.