



MANDSAUR
UNIVERSITY
MAKING FUTURE READY!

Mandsaur University

FOE - Bachelor of Technology (Computer Science And Engineering)

MAT220 TR1

Discrete Mathematics (Pattern - 2024)

Sem-III

S. No.	Question	Marks
Assignment-1		
Q.1	Represents the set of real number less than 10 in (i) Set builder form (ii) roster form	4
Q.2	In a group of 500 students, there are 475 students who can speak Hindi and 200 can speak Bengali. What is the number of students who can speak Hindi only?	4
Q.3	For all sets A, B and C Is $(A \cap B) \cup C = A \cap (B \cup C)$? Justify your answer.	4
Q.4	Show that the relation R in R defined as $R = \{(a, b): a \leq b\}$, is reflexive and transitive but not symmetric.	4
Q.5	Draw a Venn diagram for $(A \cup B) - C$.	4