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Following Paper ID and Roll No. to be filled in your Answer Book.

PAPER ID : 232340 Roll No.

B. Tech. Examination 2021-22

(Even Semester)

DISCRETE MATHEMATICS

Time : Three Hours] *[Maximum Marks : 60*

Note :– Attempt all questions.

SECTION – A

1. Attempt all parts of the following : 8×1=8

(a) For set A and B prove that $A \cap B = B \cap A$.

(b) What is the difference in relation and function?

(c) Define greatest element in a Hasse diagram.

(d) Define coset.

(e) State absorption law in a Boolean algebra.

[P. T. O.