

SYLHET CADET COLLEGE
MODEL TEST EXAMINATION - 2025
CLASS: HSC
STATISTICS (CREATIVE)
SECOND PAPER
[According to the Syllabus of 2025]
TIME – 45 minutes
FULL MARKS – 35

Ques Setter	
Moderator	
VP	

Subject Code:

1	3	0
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[**N.B.** – The figures of the right margin indicate full marks. Read the stems carefully and answer the associated questions. Answer any **FIVE** questions taking at least two questions from each group]

Group - A

1. The manager of Future Shopping Center analyzed the usage of card-based payment. He observed that most buyers use either Visa cards (25 %) or Master cards (60 %), or both (15 %). On a certain day, 1000 buyers showed up.
- (a) Are the events of using Visa cards and Master cards independent?

3
- (b) Analyze the statement: The probability that no buyer used cards today is 0.3.

4

Group - B

“Quote”
– Author