

CENTRE FOR DISTANCE EDUCATION

Aligarh Muslim University, Aligarh

Session 2018-2019

S.S.S.C Part-I (XI Commerce)

Mathematics

(11-MM-01)

Maximum Marks: 25

(a) Attempt any two questions.

1. If A and B are two sets such that $n(A \cup B) = 50$, $n(A) = 28$ and $n(B) = 32$, find $n(A \cap B)$.
2. Find all pairs of consecutive even positive integers, both of which are larger than 8, such that their sum is less than 25.
3. Solve the following linear inequations:
(i) $2x - 4 \leq 0$ (ii) $-3x + 12 < 0$
4. A box contains 3 black tickets numbered 1, 2, 3 and 3 red tickets numbered 1, 2, and 3. One ticket will be drawn at random and you have to guess the number on the ticket. (a) What is the chance that the number is 2?
