

SECTION B: PARAGRAPH QUESTIONS AND CALCULATIONS**Question 1**

- 1.1 Discuss the two basic properties of probabilities (4 marks)

① THE NUMBER OF SUCCESSES CAN'T BE MORE THAN NUMBER OF POSSIBLE OUTCOMES THEREFORE MAXIMUM VALUE OF P=1

② THE NUMBER OF SUCCESSES HAVE A NEGATIVE VALUE, THEREFORE MINIMUM VALUE IS 0

- 1.2 Distinguish between **FUNDAMENTAL** and **PARTICULAR RISKS**. Give examples of each and motivate why it is necessary to distinguish between these two types of risk (6 marks)

① FUNDAMENTAL RISKS - LOSSES THAT ARE IMPERSONAL IN ORIGIN & CONSEQUENCE & ORIGINATE IN THE ECONOMIC, POLITICAL, OR SOCIAL INDEPENDENCY OF SOCIETY. e.g. DROUGHT

② PARTICULAR RISKS - LOSSES WHICH HAVE THEIR ORIGIN IN DISCRETE EVENTS WHICH HAVE AN ESSENTIALLY PERSONAL CAUSE e.g. EXPLOSION OF A PRESSURE TANK.

(10 marks)

[TURN OVER]