## (2½ Hours)

(2) Make <u>suitable assumptions</u> wherever necessary and <u>state the assumptions</u> made.
(3) Answers to the <u>same question</u> must be <u>written together</u>.

N. B.: (1) All questions are compulsory.

(4) Numbers to the **right** indicate **marks**.

[Total Marks: 75]

|                      | <ul> <li>(5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u>.</li> <li>(6) Use of <u>Non-programmable</u> calculators is <u>allowed</u>.</li> </ul> |    |
|----------------------|---|----|
| 1.<br>a.<br>b.<br>c. | Attempt <u>any three</u> of the following:  | 15 |
| d.<br>e.<br>f.       |   |    |
| 2. a. b. c. d. e. f. | Attempt <u>any three</u> of the following:  | 15 |
| 3. a. b. c. d. e. f. | Attempt <u>any three</u> of the following:  | 15 |
| 4. a b c d e f       | Attempt <u>any three</u> of the following:  | 15 |
| 5. a. b. c. d. e. f. | Attempt <u>any three</u> of the following:  | 15 |