

M.E. First Semester (Electrical (Electrical Power System)) (F.T.)
13300 : Generation Planning & Load Dispatch : 1 SEPS 2

P. Pages : 1

Time : Three Hours



AU - 3257

Max. Marks : 80

- Notes :
1. All question carry equal marks.
 2. Answer **two** question from Section A and **two** question from Section B.
 3. Due credit will be given to neatness and adequate dimensions.
 4. Assume suitable data wherever necessary.
 5. Illustrate your answer necessary with the help of neat sketches.
 6. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION – A

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|----|----|--|----|
| 1. | a) | Explain the importance of load forecasting and explain long term load forecasting. | 10 |
| | b) | Classify different types of loads with their characteristics. | 10 |
| 2. | a) | Explain different chronological load curves of different loads. | 10 |
| | b) | Explain the working of Hydro power plant. | 10 |
| 3. | a) | Explain the mass curve for Hydro power generation. | 10 |
| | b) | Explain the concept of generation planning. | 10 |

SECTION – B

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|----|----|---|----|
| 4. | a) | Explain the concept of automatic load dispatch. | 10 |
| | b) | Explain the importance of energy conservation system. | 10 |
| 5. | a) | Explain the roles and responsibilities of load dispatch centre. | 10 |
| | b) | Explain the concept of deregulation of electric utilities. | 10 |
| 6. | a) | Explain the reliability analysis of isolated system. | 10 |
| | b) | Explain the concept of energy management system. | 10 |
