

M. Tech.-II (Electrical -Power System) (CBCS – 2015 Course) :
SUMMER - 2019

SUBJECT: ELECTIVE – I: POWER SYSTEM PLANNING & RELIABILITY

Day: Tuesday
Date: 11/06/2019

Time: 11.00 AM TO 02.00 PM
Max Marks: 60

S-2019-3421

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answer to both the sections should be written in **SAME** Answer book.
- 4) Assume suitable data if necessary.

SECTION – I

Q.1 State and explain the factors affecting load forecasting. **[10]**

OR

What are different load forecasting methods? Explain any one in detail.

Q.2 What are the objectives of system planning? Discuss each in brief. **[10]**

OR

What is short term and medium term planning? Discuss each in brief.

Q.3 Explain the concept of probability, Failure, Reliability cost. **[10]**

OR

What are the different evaluation techniques? Explain any one in detail.

SECTION – II

Q.4 What are the different factors affecting generation planning? **[10]**

OR

Explain generation system model.

Q.5 What is Network reconfiguration? Discuss in brief. **[10]**

OR

What are system and load point indices? Explain each in detail.

Q.6 State and explain different interruption indices. **[10]**

OR

Explain basic evaluation techniques for parallel networks.

* * * *