

C.U. SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Inter Connected Power System

Subject Code: 4TE07ICP1

Branch: B.Tech (Electrical)

Semester: 7

Date: 23/11/2022

Time: 11:00 to 02:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
-

Q-1

Attempt the following questions:

(14)

- a) Disadvantage of interconnected power system is
 - (a) Expensive tie line
 - (b) Economical operation
 - (c) Increase the reliability of power system
 - (d) All of the above
- b) Who is the power system operator at center level?
 - (a) Regional load dispatch center
 - (b) Area load dispatch center
 - (c) State load dispatch center
 - (d) National load dispatch center
- c) Interconnected power system is represented by
 - (a) Electrical Network
 - (b) Electrical Grid
 - (c) Electrical System
 - (d) None of above
- d) In a graph, the line components are called
 - (a) Transmission line
 - (b) Node
 - (c) Branch
 - (d) None of the above
- e) The fastest control action is obtained by the governor mechanism.
 - (a) True
 - (b) False
- f) In combined operation of several power plants the reserve capacity requirement is reduced.
 - (a) False
 - (b) True
- g) Voltage regulation is important for the design of
 - (a) Generator
 - (b) Motor
 - (c) Feeder
 - (d) Transmission Line
- h) What is the full form of AVR? This term is related to voltage control?



