

Roll No.

Total No. of Pages : 01

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M.Tech. (Electrical Engineering) / (Power systems
and Renewable Energy) (Sem.-2)

ENERGY FORECASTING AND MODELLING

Subject Code : PSRE-201-21

M.Code : 91869

Date of Examination : 04-07-22

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. ATTEMPT ANY FIVE OUT OF EIGHT QUESTIONS.
2. EACH QUESTION CARRIES TWELVE MARKS

1. Discuss the role of energy in economic development transformation in any country.
2. Discuss the outlook for Indian energy consumption. Why the exploration of renewable sources of energy has become essential?
3. What are the few important technical feasibility parameters that one should consider during analysis of climatic change opportunities?
4. Compare double experimental smoothing model and triple experimental smoothing model.
5. What are Neural Networks? How to initialize weights and biases in Neural Networks?
6. Explain the Clean Development Mechanism. Also, discuss the operating details of the Clean Development Mechanism.
7. What is a forecasting model? Discuss various types of forecasting techniques in detail.
8. What are Energy system optimization models? How these models represent an innovation for incorporating specific socio-economic sectors within an energy system framework?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.