

BE (CIVIL & INFRA) sem III R-19 C-scheme

04/06/25



(3Hours)

[Total Marks:80]

Notes :

1.
  - Question No. 1 is compulsory.
  - Attempt any Three out of the remaining five questions.
  - Figure to the right indicates full marks. Draw neat sketches wherever necessary.
  - Assume suitable data wherever required.

1. **Attempt (Any 4)**
  - a) Differentiate renewable energy and non-renewable energy. 05
  - b) Which methods used for cooling in thermal power plants? How it works? 05
  - c) What is computer networking? 05
  - d) Write a short note on radioactive waste. 05
  - e) What is PV cells in solar energy? 05
  - f) What is the role of telecommunication in infrastructure industries? 05
2.
  - a) List out different types of turbines used in wind power plant with diagram. 10
  - b) Explain the working principles of nuclear power plants with detailed sketch. 10
3.
  - a) Define modulation and explain different types analog modulation. 10
  - b) Explain wireless communication with block diagram. 10
4.
  - a) Which energy is more economical wind energy or tidal energy explain with relevant parameters? 10
  - b) Differentiate between: i) Onshore and Off shore in tidal energy. ii) tidal energy and wave energy 10
5.
  - a) How to work of thermal power plant explain with layout diagram? 10
  - b) List out concentrated solar power plant and explain any one in brief. 10
6.
  - a) What are different types of data analytics? 10
  - b) Explain cloud computing architecture. 10
  - c) What are the building blocks of IT infrastructure? 05

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Q.P. Code :-  
83923

Program Code :-  
1T00647