

Prog: BE/ civil & infra | Sem VII | CBCUS | R19 |
616124,
cscheme

(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) | Write down: advantages and disadvantages of tidal power plant. | 05 |
| b) | Explain any one type of solar water heater | 05 |
| c) | Explain the working principle of thermal power plant with a diagram. | 05 |
| d) | Explain different equipment of the nuclear power plant. | 05 |
| e) | Write short note on computer network | 05 |
| f) | Explain the building blocks of IT infrastructure. | 05 |
| 2. a) | Write short note on
1. cloud computing.
2. Augmented reality | 15 |
| b) | Describe Edge computing with an example. | 05 |
| 3. a) | Differentiate between: Horizontal Axis turbine and Vertical axis turbine. | 10 |
| b) | How many modes of communication? Explain in details. | 10 |
| 4. a) | Explain basic infrastructure of nuclear power plant. | 10 |
| b) | Explain working of the solar water heater system with a diagram | 10 |
| 5. a) | Explain working of nuclear power plant with diagram | 10 |
| b) | Explain mobile communication along with a block diagram | 10 |
| 6. a) | Explain emission reduction of thermal power plant. | 10 |
| b) | Explain working of wind power plant with diagram. | 10 |

Q P code
55622

Prog code
IT00647