

Total No. of Questions : 6]

SEAT No. :

PC173

[Total No. of Pages : 1

[6361]-31

B.E. (Civil) (Insem)

**INTEGRATED WATER RESOURCES PLANNING AND
MANAGEMENT**

(2019 Pattern) (Semester - VII) (Elective - III) (401003 (C))

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

- 1) *Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6.*
- 2) *Figures to the right indicate full marks.*
- 3) *Draw neat diagram wherever necessary.*
- 4) *Use of logarithmic table, slide rule and electronic pocket calculator are allowed.*
- 5) *Assume suitable data, if necessary, stating it clearly.*

- Q1)** a) Define Integrated Resource planning and Management. [3]
b) State objectives of IWRPM. [7]

OR

- Q2)** a) State and Explain components of IWRPM. [5]
b) Explain Central Water Commission (CWC) [5]

- Q3)** a) Explain Global Water Partnership (GWP) [5]
b) Explain National Water Policy (NWP) in short. [5]

OR

- Q4)** a) Explain importance of Participatory Irrigation Management (PIM) [5]
b) Explain in brief role water distribution societies in development of water and irrigation sector. [5]

- Q5)** a) Explain water and land management Institute (WALMI) [5]
b) Explain blue vs green water disputes. [5]

OR

- Q6)** a) Explain importance of ground water protection. [4]
b) State any two irrigation efficiencies. [6]

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