P8460

Oct-22/BE/Insem-31
B.E. (Civil)
401003C : INTEGRATED WATER RESOURCE PLANNING AND MANAGEMENT (Elective - III)
(2019 Pattern) (Semester - VII)

Time : 1 Hour] *[Max. Marks : 30*

Instructions to the candidates :

1) *Solve Q.No. 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) The depths of penetration along the length of boarder strip at points of 30 meters apart were probed. Their observed values are 2.0, 1.9, 1.8, 1.6 and 1.5 meters. Calculate the water distribution efficiency. **[6]**

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