

P3899

[5155]- 149

[Total No. of Pages : 2

M.E. (Civil) (Water Resource & Environmental Engineering)

RESEARCH METHODOLOGY TREATMENT

(2013 Pattern) (Semester - I)

Time :3 Hours]

[Max. Marks :50

Instructions to the candidates:

- 1) Solve any Five questions.***
- 2) Figures to the right indicates full marks.***

Q1) a) Explain the factors to be considered while selection of Questionnaire method of data collection. **[5]**

b) Enlist at least 4 different research funding agencies. Explain details about any one. **[5]**

Q2) a) Explain the characteristics of a research report? **[5]**

b) What are the objectives of research. **[5]**

Q3) a) Explain the purpose of a literature review. **[5]**

b) Explain the Graphic rating scale and Itemized rating scale techniques. **[5]**

Q4) a) Write the advantages and disadvantages of Internet as a sources of Literature review. **[5]**

b) Explain the advantages and Limitations of Likert-type Scale. **[5]**

Q5) a) Write a short note on one-tailed and two tailed test. **[5]**

b) Explain the procedure for hypothesis testing. **[5]**

Q6) a) Explain the centroid method of factor analysis. [5]

b) Explain the conditions for the application of Chi-Square test. [5]

Q7) a) Explain different steps in writing report. [5]

b) Explain the factors to be considered for effective presenting a research.[5]

Q8) Write a research proposal for a suitable research problem (any problem related to Civil engineering can be considered) to a funding agency with reference to the following terms:

Title, Introduction, origin of the problem, expected outcome, literature review, Significance of the study in the context of current status, objectives, methodology, year wise plan. [10]

