

Total No. of Questions : 8]

SEAT No. :

P255

[Total No. of Pages : 2

[6003]-332

T.E. (Civil Engineering)

RESEARCH METHODOLOGY AND IPR

(2019 Pattern) (Semester-I) (301005b) (Elective-I)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Attempt Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, and Q.7 or Q.8.
- 2) Neat diagram be drawn whenever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary and clearly state.

Q1) a) Write a brief note on different types of analysis of data also state the significance of each. **[9]**

b) Indicate the basis for selecting a statistical technique in analysing data for educational research. **[8]**

OR

Q2) a) Explain the phrase 'Analysis of Data' or 'Treatment of Data'. Indicate the need and importance of data analysis. **[9]**

b) Describe the role of statistics and parameters in analysing the data. Illustrate your answer with suitable example. **[8]**

Q3) a) Describe the precautions that the researcher should take while interpreting his findings. **[9]**

b) What do you understand by research report or thesis? Indicate its need and importance in the research work. **[9]**

OR

Q4) a) Explain the following terms used in a research. **[9]**

- i) Research proposal or synopsis or outline of a research project.
- ii) Research report, or thesis or dissertation.
- iii) Research summary, and
- iv) Research abstracts.

b) What are the methods of constructing regression equation? Explain in details. **[9]**

P.T.O.

Q5) a) Describe how monopoly nature of owner is controlled by Patent Trademark Organization. [8]

b) What are the functions of international intellectual property organizations? [9]

OR

Q6) a) Explain different types of intellectual property in detail. [8]

b) Define trademark and service mark. [9]

Q7) a) Distinguish between Trademark and Trade secrets. [9]

b) Write the procedure for “use of mark” owned by Third parties. [9]

OR

Q8) a) Explain how the ownership rights and transfers are taken place. [9]

b) Describe the advantages of law of patent. [9]