

Total No. of Questions : 4]

SEAT No. :

P8553

[Total No. of Pages : 2

Oct-22/TE/Insem-520

T.E. (Civil Engineering)

RESEARCH METHODOLOGY AND IPR

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

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates :

- 1) *Attempt Q.1 or Q.2 and Q.3 or Q.4.*
- 2) *Neat diagram must be drawn wherever necessary.*
- 3) *Figures to the right side indicate full marks.*

Q1) a) How to do you go about formulating research problem? How do you organize your research work? [7]

b) Enumerate the different funding agencies in India. Also state which type of research activities they are supported. [8]

OR

Q2) a) Define the term 'Research'. Describe the specific features of Research. [7]

b) Explain the nature and functions of a hypothesis in a research process. [8]

Q3) a) What are the various means of conducting literature survey in modern times? [7]

b) Briefly explain the following : [8]

- i) Scopus Indexed Journals
- ii) Science Citation Index
- iii) Journal Impact Factor
- iv) h-Index

OR

P.T.O.

- Q4)** a) Discuss the importance of critical literature review and its uses in planning innovation research. [7]
- b) What are the features of good problem statement? And also state the importance of problem statement in research writing. [8]

