

Total No. of Questions : 4]

SEAT No. :

P8625

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Oct-22/TE/Insem-648

T.E. (Computer Engineering) (Honors/Minors)
VIRTUAL REALITY AND AUGMENTED REALITY
Virtual Reality
(2019 Pattern) (Semester - I) (310701)

Time : 1 Hour

[Max. Marks : 30

Instructions to the candidates:

- 1) Solve Q.1 or Q.2, and Q.3 or Q.4.
- 2) Figures to the right indicate full marks.
- 3) Neat diagrams must be drawn wherever necessary.
- 4) Assume suitable data, if necessary.

Q1) a) State and Explain four key elements of virtual reality experience. [5]

b) Explain visual presentation properties of visual displays. [5]

c) Discuss about various applications of Virtual Reality. [5]

OR

Q2) a) Differentiate between Virtual reality and Augmented reality. [5]

b) Explain in detail how Virtual Reality really works? [5]

c) What is position tracking? State different methods of position tracking. [5]

Q3) a) Explain the difference between Visual and Aural representation in VR? [5]

b) How is virtual world represented? Explain. [5]

c) Explain the working of Head-mounted displays? [5]

OR

Q4) a) Explain how haptic information is used in a VR Experience. [5]

b) Describe Physiology of the human eye with diagram. [5]

c) What are different representation issues related to Virtual Reality? [5]

