Total No. of Questions : 4]

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SEAT No. :

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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]**

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