P-5145

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T.E. (Computer Engineering) (Honors) (Insem.)
VIRTUAL REALITY
(2019 Pattern) (Semester - I) (310701)

Time : 1 Hour]   *[Max. Marks : 30*

Instructions to the candidates:

1)   *Answer Q.1 or Q.2, Q.3 or Q.4.*

2)   *Neat diagrams must be drawn wherever necessary.*

3)   *Figures to the right indicate full marks.*

4)   *Assume suitable data, if necessary.*

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

     b)   What are visual displays? Which are different five categories of visual displays? **[5]**

     c)   Explain the history of VR in short. **[5]**

OR

Q2) a)   Explain with diagram human physiology and perception. **[5]**

     b)   Explain the working of Head-mounted displays. **[5]**

     c)   Write short note on: Use of Virtual Reality at NASA. **[5]**

Q3) a)   What are Quantitative and Qualitative representations in virtual world? **[7]**

     b)   Explain the difference between Visual and Aural representation in VR. **[8]**

OR

Q4) a)   How is virtual world represented? Explain in detail. **[7]**

     b)   Explain in detail Haptic Representation in Virtual Reality. **[8]**

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