PE142

[6579]-475

T.E. (Computer Engineering) (Insem)
HONORS IN VIRTUAL REALITY AND AUGMENTED REALITY
Virtual Reality
(2019 Pattern) (Semester-I) (310701)

Time : 1 Hour]

[Max. Marks : 30

Instructions to the candidates:

1) *Attempt Q.1 or Q.2, Q.3 or Q.4.*
2) *Figures to the right indicate full marks.*
3) *Neat diagram must be drawn wherever necessary.*
4) *Assume suitable data if necessary.*

Q1) a) Explain different applications of virtual reality. **[5]**

b) Differentiate between Virtual reality and Augmented reality. **[5]**

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

OR

Q2) a) Explain visual presentation properties of visual displays. **[5]**

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

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

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

b) What are Quantitative and Qualitative representations in virtual world? **[5]**

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

OR

Q4) a) What are different features of Haptics? **[5]**

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

c) How aural representation is done in Virtual Reality? Explain. **[5]**

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