SUBJECT CODE: 19CS/PE/ET23

M.A./M.Com./M.Sc. DEGREE EXAMINATION, NOVEMBER 2022
INFORMATION TECHNOLOGY
THIRD SEMESTER

COURSE   :   ELECTIVE
PAPER   :   EMERGING TRENDS IN INFORMATION TECHNOLOGY
TIME   :   3 HOURS   MAX. MARKS: 100

SECTION - A
ANSWER ALL THE QUESTIONS: **10 X 2 = 20**

1. List the differences between Augmented Reality and Virtual Reality.
2. What are Head-up Displays and its primary components?
3. Define agents and list the inputs and outputs of agent.
4. What are the objectives of a good representation scheme?
5. List the materials that can be used for 3D Printing.
6. What are the differences on the way layers are made to create an object using liquid material?
7. Define cloud computing.
8. List the various cloud computing platforms and technologies.
9. Define capital cost.
10. What is Dropbox and iCloud?

SECTION - B
ANSWER ANY SIX OF THE FOLLOWING: **6 X 5 = 30**

11. Write a short note on virtual reality.
12. Discuss the four common classes of solutions in AI.
13. Explain the application domains of AI.
14. Describe the 3D printing process.
15. Discuss applications of 3D printing in Medical and Housing Category.
16. Write a note on characteristics and benefits of cloud computing.
17. Explain about building cloud computing environments.
18. Explain about using cloud computing technologies in Facebook.

SECTION - C
ANSWER ANY FIVE OF THE FOLLOWING: **5 X 10 =50**

19. Discuss in detail about Gaming and Entertainment as an application of Virtual and Augmented reality.
20. Give a detailed study on dimensions of complexity to define a design space of AI.
21. Explain about Fused Filament Fabrication and the characteristics of printer.
22. Discuss about the cloud computing architecture with a diagrammatic representation
23. Explain in detail the different types of clouds.
24. Discuss about the scientific applications of Cloud computing.
25. Explain the general design considerations for 3D printing.

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