

Total No. of Questions – [06]

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G.R. No.	
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**DECEMBER 2021 - ENDSEM EXAM**  
**FINAL YEAR B. TECH. (INFORMATION TECHNOLOGY)**  
**(SEMESTER - I)**  
**COURSE NAME: Professional Elective-V**  
**UI/UX Design**  
**COURSE CODE: ITUA40182A**  
**(PATTERN 2018)**

Time: [1 Hour]

[Max. Marks: 30]

**Instructions to candidates:**

- 1) Answer Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6.
- 2) Figures to the right indicate full marks.
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

- Q.1) a) List the components of Information Architecture. [4]  
b) Discuss major techniques used in development of Information Architecture. [6]

**OR**

- Q.2) a) Provide the steps involved in developing Sitemap for a website. [4]  
b) Discuss about the use of components in web navigation design with suitable examples. [6]

- Q.3) a) Design a User Persona of a patient for a smart mental health assistant. [4]  
b) Define User Persona. Justify the requirement of user persona in product and app design. [6]

**OR**

- Q.4) a) Justify the role of Sketch design in user interface design. [4]

- b) Elaborate on a need for different types of Prototypes in Product/app design. [6]

- Q.5) a) List the most popular tools used for UX/UI design. [4]  
b) Elaborate on the role of software tools in UX/UI design. [6]

**OR**

- Q.6) a) Discuss about the user support available with popular tools for UI/UX design. [4]  
b) Distinguish Figma and Adobe XD with respect to the features provided for UI/UX design. [6]