

B.TECH
(SEM VII) THEORY EXAMINATION 2022-23
DESIGN THINKING

Time: 3 Hours**Total Marks: 100****Note: 1.** Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief.**2 x 10 = 20**

- (a) Why is design thinking needed?
- (b) What are the steps of the design thinking process?
- (c) How can we implement Design thinking in an organization?
- (d) What are the issues in the design process?
- (e) Can we do Design thinking with no initial user research?
- (f) What makes Design thinking different from project-based learning?
- (g) How would you test a design thinking strategy?
- (h) What are the positive effects of having an ethical behavior?
- (i) What is the most common cognitive bias?
- (j) What is a claim or statement?

SECTION B

2. Attempt any three of the following:**10 x 3 = 30**

- (a) What is the difference between a rhetorical and argumentative essay?
- (b) What is the purpose of role play activity?
- (c) What is a POV (Point of View) statement in engineering?
- (d) What is metaphor in learning techniques?
- (e) How to Identify and Fill the Gap Between Desire and Reality

SECTION C

3. Attempt any one part of the following:**10 x 1 = 10**

- (a) What are examples of design criteria?
- (b) What are the 4 rules for brainstorming?

4. Attempt any one part of the following:**10 x 1 = 10**

- (a) Why is it important to understand core values?
- (b) How do you logically structure an argument?

5. Attempt any one part of the following:**10 x 1 = 10**

- (a) Is how might be a problem statement?
- (b) How to differentiate between critical and ordinary thinking.

6. Attempt any *one* part of the following:

10 x 1 = 10

- (a) What is the purpose of role play activity?
- (b) What are the characteristics of tribalism?

7. Attempt any *one* part of the following:

10 x 1 = 10

- (a) What is a logical fallacy example?
- (b) What are the barriers to critical thinking and how to overcome?

QP23DP1_290

| 09-01-2023 13:33:27 | 117.55.242.132