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Library
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BRAINWARE UNIVERSITY

Term End Examination 2025-2026
Programme – B.Tech.(CSE)-2025/B.Tech.(CSE)-AIML-2025
Course Name – Design Thinking
Course Code - BHS00010
(Semester I)

Full Marks : 30 **Time : 1:30 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question) 1 x 5=5

1. *Choose the correct alternative from the following :*

(i) Identify the first stage of design thinking.
a) Prototype b) Ideate
c) Empathize d) Test

(ii) Recall the total number of stages in design thinking.
a) 4 b) 5
c) 6 d) 3

(iii) Select the correct sequence starting the design process.
a) Define b) Empathize
c) Prototype d) Test

(iv) Select the characteristic of design thinking.
a) Linear b) Iterative
c) Financial d) Static

(v) Classify the process type used in design thinking.
a) Waterfall b) Sequential
c) Iterative d) Predictive

Group-B

(Short Answer Type Questions) 3 x 5=15

2. Define user-centric design. (3)
3. State one limitation of brainstorming. (3)
4. Explain the challenges in design thinking. (3)
5. Define design thinking. (3)
6. Mention two benefits of iteration. (3)

OR

Define the term feedback analysis (3)

Group-C

(Long Answer Type Questions) 5 x 2=10

7. Apply user observation and interviews to redefine a problem in urban transportation. (5)
8. Compare the use of brainstorming and SCAMPER in developing engineering concepts. (5)

OR

Analyze how mind mapping helps organize creative ideas during ideation. (5)

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