

USN

--	--	--	--	--	--	--	--	--	--

Question Paper Version : A

**First/Second Semester B.E./B.Tech./B.Arch./B.Planning Degree
Examination, Jan./Feb. 2023**

Innovation and Design Thinking

(COMMON TO ALL BRANCHES)

Time: 1 hr.]

[Max. Marks: 50

INSTRUCTIONS TO THE CANDIDATES

1. Answer all the fifty questions, each question carries one mark.
2. Use only **Black ball point pen** for writing / darkening the circles.
3. **For each question, after selecting your answer, darken the appropriate circle corresponding to the same question number on the OMR sheet.**
4. Darkening two circles for the same question makes the answer invalid.
5. **Damaging/overwriting, using whiteners** on the **OMR** sheets are strictly prohibited.

-
1. Design thinking process examines the results and reframes the problem. This shows the,
a) Iterative approach to design
b) Linear approach to design
c) Social approach to design
d) Analytical approach to design
 2. Which of the following follows Ideating process?
a) Develop MVP
b) Initiate Production
c) Develop prototype
d) Prepare questionnaire
 3. Design thinking involves
a) Result based approach
b) Solution based approach
c) Technology based approach
d) Business based approach
 4. Which of the following is part of the toolkit of a Design Thinker?
a) Tabulation
b) Story telling
c) Derivation
d) Calculation
 5. Preparing scaled model to explain the design of a house is an example of,
a) MVP
b) Brief
c) Drawing
d) Prototype
 6. Prototypes can be built for,
a) Products
b) Financial services
c) Urban projects
d) All of the above.

21. Design thinking assists in,
 a) Exploring new possibilities
 b) Creating new choices
 c) Bringing new solutions to the world
 d) All of these
22. Understanding the design problem involves,
 a) Asking right questions
 b) Discussion of history
 c) Displaying the Design brief
 d) None of these
23. Which of the following give functional appearance of a product?
 a) Prototype
 b) 3D model
 c) MVP
 d) Drawings
24. Formulating the brief is an important part of Design Thinking process. The brief is generated from,
 a) User requirement
 b) Available technology
 c) Market analysis
 d) All of these
25. "Products are shaped by stories that people tell about them". The phrase indicates the importance of,
 a) Importance of products
 b) User experience
 c) Importance of stories
 d) Importance of narration
26. What does 'Active Engagement' with the product mean?
 a) Engaging with the finer aspects of the product beyond the utility.
 b) Engaging with functional aspects of the product
 c) Both (a) and (b)
 d) None of these
27. "It is difficult to think of the right idea for the first time". The statement indicates which of the following is importance after ideation.
 a) To define all details of the product
 b) Prepare rapid prototypes
 c) To think of more ideas
 d) None of these
28. Standardization is a necessity with,
 a) Industrialization
 b) Design exploration
 c) Prototyping
 d) Craft Guilds
29. Translating an idea into a tangible product in the early stage of design exploration is,
 a) Visualization
 b) Imagination
 c) Rapid prototyping
 d) MVP
30. Innovation in an organization should be,
 a) Technology Driven
 b) Organization driven
 c) Customer Driven
 d) Economics driven
31. Identify the advantages of Rapid prototyping,
 a) Arrive at relevant results
 b) Arrive at results faster
 c) Allows experimentation
 d) All of these
32. Extension of a successful brand or iterating a current product is,
 a) Revolutionary Innovation
 b) Evolutionary Innovation
 c) Incremental Innovation
 d) Dynamic Innovation

46. "The willingness to try something by building it is the evidence of experimentation". The statement refers to,
a) Story telling b) Prototyping c) Mind mapping d) Conceptualizing
47. Which of the following is true about design thinking process?
a) Non-linear process b) Iterative
c) Exploratory d) All of these
48. Narrating design with time as sequence of events, which are ordered is,
a) Mind mapping b) Conceptualizing
c) Story telling d) Ideating
49. Presenting to a client/customer a functional version of a website to complete shopping activity is an example of,
a) MVP b) Prototype
c) Final product d) Study Model
50. Which of the following is not consideration while representing the story of the product?
a) The central idea of the product b) Engaging the participants
c) Other products in Market d) Incorporate adequate detail
