

CBSE Class 12 Design Thinking and Innovation Question Paper(Memory Based)

Time Allowed :3 Hours	Maximum Marks :70	Total questions :37
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General Instructions

Read the following instructions very carefully and strictly follow them:

1. Please check that this question paper contains 15 printed pages.
2. Q.P. Code given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
3. Please check that this question paper contains 37 questions.
4. 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the candidates will read the question paper only and will not write any answer on the answer-book during this period.

1. Explain the difference between Divergent and Convergent thinking with real-world examples.

2. Define the Point of View (POV) statement and explain its role in the 'Define' stage of design thinking.

3. Why is Empathy considered the foundation of Human-Centric Design (HCD)?

4. Describe the 'Hear, Create, Deliver' framework used in social innovation projects.

5. What are the advantages of creating a Low-Fidelity Prototype over a high-fidelity one in the early stages?

6. Describe the use of Fractals and Grids in traditional Indian architecture and temple design.

7. How can Mind Mapping help a design team during the Ideation phase?

8. What is a User Journey Map, and how does it help identify "pain points" for a consumer?

9. How do the Sustainable Development Goals (SDGs) act as a roadmap for modern innovators?

10. Differentiate between User Interface (UI) and User Experience (UX) in the context of mobile app design.
