



Indian School Al Wadi Al Kabir

Post -Midterm Examination (2025-26)

Class: IX

Sub: Skill Subject

Max. Marks:

50 DESIGN THINKING & INNOVATION (422)

Date: 23/11/2025

Set - I

Time: 2 hours

ANSWER KEY

SECTION – A

Q.NO	ANSWERS
Q 1.	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)
i.	(c) Bargaining
ii.	(b) Think about all your accomplishment so far and feel good about it.
iii.	(a) Both A and R are correct and R is the correct explanation of A
iv.	(c) Bluetooth
v.	(c) Both of the above
vi.	(a) Entrepreneurship
Q 2.	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)
i.	(b) A person who applies the Design Thinking process to solve problems and find innovative solutions.
ii.	(c) Ideate
iii.	(b) To pursue creativity and innovation
iv.	(d) Image Processor
v.	(a) ISO
vi.	(d) Sensor

<p>3</p> <p>i.</p> <p>ii.</p> <p>iii.</p> <p>iv.</p> <p>v.</p> <p>vi.</p>	<p>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</p> <p>(b) Positive Space</p> <p>(d) Abstract Shapes</p> <p>(b) Proportion</p> <p>(c) Value</p> <p>(b) Principles of Design</p> <p>(a) Symmetry</p>
<p>4</p> <p>i.</p> <p>ii.</p> <p>iii.</p> <p>iv.</p> <p>v.</p> <p>vi.</p>	<p>Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)</p> <p>(c) Module</p> <p>(d) Digital grid</p> <p>(b) Charting by Exception</p> <p>(a) Situation, Background Assessment, Recommendation</p> <p>(c) Acknowledgment</p> <p>(a) Both assertion and reason are correct and the reason is correct explanation of the assertion.</p>

5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)
i.	(b) American Psychological Association
ii.	(a) Presentation techniques
iii.	(c) Reflect
iv.	(d) Business idea
v.	(b) Product business
vi.	(a) Unity

SECTION B: SUBJECTIVE TYPE QUESTIONS

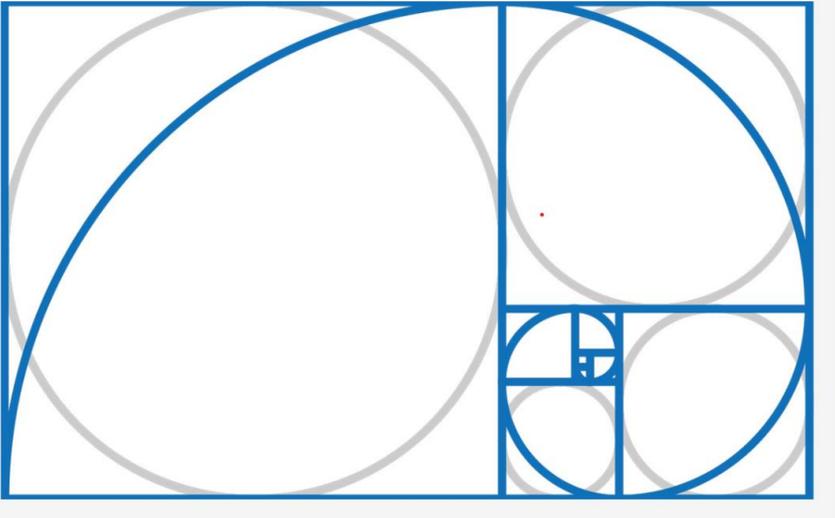
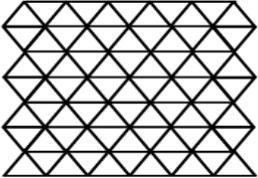
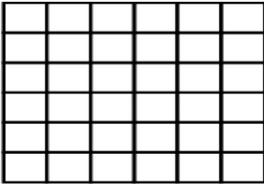
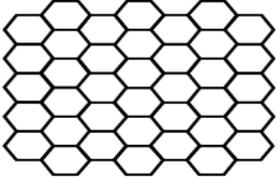
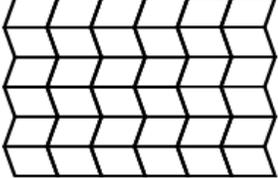
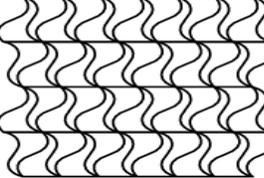
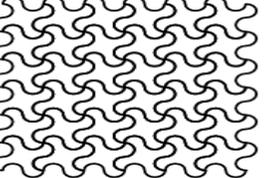
Answer any 3 out of the given 5 questions on Employability Skills (2 x 3 = 6 marks). Answer each question in 20 – 30 words.

6	(a) Self-belief (b) Hard work (c) Positive attitude (d) Commitment (Any two)	2
7	a) Online communication – Using email, video calls, or social media to stay in touch with family and friends. b) Entertainment – Watching movies, listening to music, or playing games through digital platforms.	2
8.	a) Input devices: Keyboard, Mouse b) Output devices: Monitor, Speaker	2
9	The process of developing a business plan, launching and running a business using innovation to meet customer needs and to make a profit is entrepreneurship.	2
10.	<ul style="list-style-type: none">• Patience• Positivity• Hardworking, Never Giving Up and Perseverance• Confidence• Open to Trial and Error• Creativity and Innovation (Any four)	2
11	A designer is a highly creative person who enjoys solving problems. The reason why they enjoy being creative is that they are sensitive to the needs of people and understand the extent of the issues in society.	2
12	Lens Aperture Shutter Sensor	2

13	The principles of design are basic rules that help make designs look good and work well. They guide how to arrange elements in a design to make it visually appealing and effective.	2
14	<ul style="list-style-type: none"> ▪ Primary research involves <u>the gathering of fresh data</u>, i.e., when data about a particular subject is collected for the first time, then the research is known as primary one. ▪ Secondary research is a research method that involves the <u>use of data already collected through primary research</u>. The main difference between primary and secondary research lies in whether the research has been conducted previously or not. 	2
15	<p>Narrative Charting: A method where information is recorded in a story-like like format, detailing events and observations.</p> <p>Problem-Oriented Charting: Focuses on specific problems and includes a structured approach to documentation.</p>	2
16	Presentation techniques are the abilities and qualities necessary for creating and delivering a compelling presentation that effectively communicates information and ideas.	2

Answer any 3 out of the given 6 questions. (4 x 3 = 12 marks)

17.		4
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18.		4
19.	<p>In a tessellation, a shape is repeated multiple times, ensuring that there are no gaps or overlaps between the repeated shapes.</p> <p>Tessellations are also a form of tiling. - Triangles, squares, rectangles and hexagons can be repeated to form tessellations. You can also use combinations of them to form tessellations.</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 10px;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div>	4
20.	<ul style="list-style-type: none"> • 1. Switch from parts to wholes (& back again) <p>Identify parts that make up a whole and the connections between them.</p> <ul style="list-style-type: none"> • 2. See the layers – know where you are <p>Divide conversations into layers to segment your thinking.</p> <ul style="list-style-type: none"> • 3. Think scale <p>Switch between zooming in to see the details and out to see the big picture.</p> <ul style="list-style-type: none"> • 4. Select based on criteria <p>Prioritize and understand which parts and triggers are important in each situation.</p> <ul style="list-style-type: none"> • 5. Inject triggers into conversations 	4

	A trigger is a detail (for example, a trend, technology, business model, or outcome, etc) that can be injected to spark new ideas and speed up a conversation.	
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21	<p>Introduction: Start by expressing your general gratitude for the support you received.</p> <p>Body: Mention specific individuals, teams, or organizations you wish to thank, detailing their contributions.</p> <p>Conclusion: Summarize your gratitude or acknowledge any final individuals.</p> <p>Keep it Concise: Write brief statements expressing your gratitude without unnecessary details.</p> <p>Context Matters: Tailor your acknowledgment based on the context, whether it's for a project, thesis, or other formal documents.</p>	4
22	<ul style="list-style-type: none"> • A mind map is a visual tool used to represent information, ideas, or concepts in a hierarchical and interconnected way. It starts with a central idea or theme in the middle and branches out into related subtopics, concepts, or details. • A questionnaire is a written set of questions used to gather information, opinions, or feedback from a group of people. The questions can be open-ended (allowing respondents to answer in their own words) or closed-ended. 	4
