Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Q.No	Design sensitivity & thinking		Type :MCQ	
1	Observe the provided pair of garden images carefully, Identify and count the number of differences between the two images.			
Options	A. 7	B. 8	C.9	D.10
Correct Ans	A. 9			

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Explanation	

Q.No	Design sensitivity & thinking		Type :MCQ	
2	Identify the signage			
Options	A. Slippery Road	B.Toxic Hazard	C.Parking	D. Danger sign
Correct Ans	A. Slippery Road			
Explanation	A **slippery road** is a hazardous driving surface that has lost its normal friction, typically due to **ice, snow, rain, or spilled oil**. These conditions significantly increase braking distances and the risk of skidding, making it crucial to adjust your driving behavior.			

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Q.No	Design sensitivity & thinking		Type :MCQ	
3	What is the primary goal of ergonomics?			
Options	A. To make products look attractive	B. To reduce manufacturing cost	C. To improve comfort, safety, and efficiency of users	D. To increase the size of furniture
Correct Ans	C) To improve comfort, safety, and efficiency of users			
Explanation	Ergonomics focuses on designing products, workplaces, and systems according to human needs and capabilities. Its main goal is to ensure that people can work comfortably, safely, and efficiently, reducing strain, fatigue, and risk of injury			

Q.No	Design sensitivity & thinking		Type :MCQ	
4	Identify the official logos			
Options	A. IIM Banglore	B. IIM Kharagpur	C. IIM Kashipur	D. IIM Ahmedabad
Correct Ans	C. IIM Kashipur			

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Explanation	IIM KASHIPUR

Q.No	Design sensitivity & thinking		Type :MCQ	
5	Identify the correct logos of Incredible India: A. Incredible India B. Incredible India C. Incredible India D. Incredible India			
Options	A.	B.	C.	D.
Correct Ans	A.			
Explanation	A. Incredible India B. Incredible India C. Incredible India D. Incredible India			

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Q.No	Design sensitivity & thinking		Type :MCQ	
6	Identify color schemes			
Options	A. Triadic	B. Split-complementary	C. Analogous	D. Complementary
Correct Ans	A. Triadic			
Explanation	Triadic: three equidistant colors (120 degrees apart) on the color wheel.			

Q.No	Design sensitivity & thinking		Type :MCQ	
7	Identify the logo from the given image below?			
Options	A. Flipkart	B. Fossil	C. Fitbit	D. Facebook
Correct Ans	A.Flipkart			
Explanation	Flipkart's updated (2024-2025) logo features a stylized lowercase "f" with speed lines on a yellow shopping bag inside a blue, rounded rectangle. It represents a shift toward			

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	quick commerce, focusing on speed, modernity, and a mobile-first experience for Gen Z shoppers. The design reflects trustworthiness (blue), energy/positivity (yellow), and efficient delivery.

Q.No	Design sensitivity & thinking		Type :MCQ	
8	Why does water stay cool in earthen pots?			
Options	A.It releases heat	B. It releases cool air	C. It lets cool air in	D. It lets water vapourise outside
Correct Ans	D. It lets water vapourise outside			
Explanation	Water stays cool in earthen pots because of the process of evaporation. Earthen pots are porous, meaning they have tiny pores that allow water to seep through to the outer surface, where it evaporates, drawing heat from the remaining water and cooling it.			

Q.No	Design sensitivity & thinking		Type :MCQ	
9	Identify the signage from the given image			
Options	A.Danger	B. Radioactive	C. Fan	D. Coil
Correct Ans	B. Radioactive			
Explanation	Radioactive signage, characterized by a three-bladed trefoil symbol on a yellow background, warns of ionising radiation hazards. Designed in 1946, the symbol represents an atom (center circle) emitting three types of radiation (blades: alpha, beta,			

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	gamma). Standard color is black on yellow, indicating caution around medical, industrial, or nuclear material.

Q.No	Design sensitivity & thinking		Type :MCQ	
10	Identify the signage from the given image			
Options	A. Computer Lab	B. Water supply	C. No Drainage	D. Biohazard
Correct Ans	D. Biohazard			
Explanation	Biohazard signage consists of a recognizable three-lobed symbol, often accompanied by the word "Biohazard" and warning text, used to mark areas or items with dangerous biological agents. It is typically yellow with black symbols, designed for high visibility to prevent accidental exposure to infectious materials in labs, medical, and waste areas.			

Q.No	Design sensitivity & thinking		Type :MCQ	
11	A pantry is a cabinet specifically designed or used_____			
Options	A. to prepare food	B. to store food	C. to wash food	D. to eat food
Correct Ans	B. to store food			
Explanation	A pantry is a cabinet specifically designed or used to store food. Storing food in a kitchen is often an overlooked detail that is critically important to effective kitchen design.			

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Q.No	Design sensitivity & thinking		Type :MCQ	
12	Identify the logo 			
Options	A. Indian Institute of Technology Hyderabad	B. Indian Institute of Technology Madras	C. Indian Institute of Technology Gandhinagar	D. Indian Institute of Technology Bhubneshwar
Correct Ans	A. Indian Institute of Technology Hyderabad			
Explanation	 			

Q.No	Design sensitivity & thinking	Type :MCQ
13	Identify the logo from the given below image	

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Options	A.Idecta	B. Microsoft	C. JAWA	D. Android
Correct Ans	B. Microsoft			
Explanation	The current Microsoft logo, introduced on August 23, 2012, features a symbol composed of four colorful squares alongside a logotype in the Segoe UI font. You can view or download high-quality versions of the brand assets in the Microsoft Image Gallery.			

Q.No	Design sensitivity & thinking		Type :MCQ	
14	Which of the following is the antonym of "**Vivid memory**"?			
Options	A.Clear recollection	B. Sharp recall	C. Faint memory	D. Detailed remembrance
Correct Ans	C. Faint memory			
Explanation	Vivid memory means a clear and strong recollection, so its opposite is a weak or faint memory.			

Q.No	Design sensitivity & thinking	Type :MCQ
15	What is the main difference between "H" and "B" grade pencils?	

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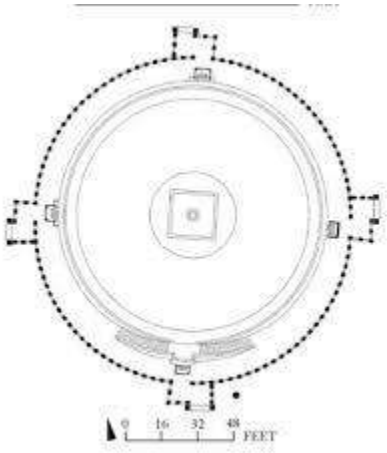
Options	A.B pencils are harder than H pencils	B. H pencils are used for coloring only	C. H pencils are darker, while B pencils are lighter	D. H pencils are harder, while B pencils are softer and darker
Correct Ans	D. H pencils are harder, while B pencils are softer and darker			
Explanation	In pencil grading, “H” stands for hard lead, which produces lighter and finer lines, making it suitable for technical drawing. “B” stands for black or soft lead, which produces darker and smoother lines, commonly used for sketching and shading.			

Q.No	Design sensitivity & thinking		Type :MCQ	
16	In recent research innovations of wood, removing certain components to allow light transmission gives the material which physical property?			
Options	A.Transparency	B. Elasticity	C. Brittleness	D. Conductivity
Correct Ans	A.Transparency			
Explanation	In advanced material research, wood is chemically treated by removing components such as lignin while retaining the cellulose structure. This process enables light to pass through the material, giving it the physical property of transparency. Such “transparent wood” is considered an innovative and sustainable material for future architectural and engineering applications.			

Q.No	Design sensitivity & thinking	Type :MCQ
17	Identify the name of the building from the image?	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

				
Options	A.Gol Gubaz	B. Sanchi Stupa	C. Sarnath stupa	D. Amravati stupa
Correct Ans	B. Sanchi Stupa			
Explanation	The Sanchi Stupa, located in Madhya Pradesh, India, is a UNESCO World Heritage site and one of the oldest stone structures in India, commissioned by Emperor Ashoka in the 3rd century BCE. It is a major Buddhist monument featuring a massive dome, intricate, iconic, torana gateways (carved in the 1st century BCE), and is a central pilgrimage site representing Buddhist art and architecture.			

Q.No	Design sensitivity & thinking		Type :MCQ	
18	The logo of Pepsi mainly uses which type of colour scheme?			
Options	A.Monochromatic colour scheme	B. Analogous colour scheme	C. Complementary colour scheme	D. Neutral colour scheme
Correct Ans	C. Complementary colour scheme			
Explanation	The Pepsi logo primarily uses red and blue along with white. Red and blue are considered contrasting colours that create strong visual impact and balance, commonly			

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	identified in design studies as part of a complementary-style colour relationship used for brand recognition and visual appeal.

Q.No	Design sensitivity & thinking		Type :MCQ	
19	Identify the logo From Image?			
Options	A.Tamboli	B. Mobil Pegasus	C. Ferrari	D. Lamex
Correct Ans	B. Mobil Pegasus			
Explanation	The "Flying Red Horse" is the iconic logo for the Mobil oil company (now ExxonMobil), representing Pegasus from Greek mythology. First used in 1911 by Vacuum Oil in South Africa, it became a major American symbol for Mobilgas in the 1930s, featuring prominently on gas station signs, service trucks, and atop buildings. [1, 2]			

Q.No	Design sensitivity & thinking	Type :MCQ
20	Identify the logo of a cosmetic company from the given image?	

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Options	A.Sugar	B. Huda	C. Avon	D. Garnier
Correct Ans	A.Suga			
Explanation	SUGAR The SUGAR logo combines simplicity, minimalism, and elegance. At the center of the design is a large black circle that serves as the background for a white “S.” The letter is crafted with a fluid form that flows through the circle.			

Q.No	Design sensitivity & thinking		Type :MCQ	
21	Identify the logo from the image?			
Options	A. Asian Paint	B. Caramel Paint	C. Spipa Paint	D. Volcano Paint
Correct Ans	A. Asian Paint			
Explanation	Asian Paints new logo conveys elements with the flowing ribbon formation that creates the 'AP' design highlighting the easy flow, smoothness, dynamism and possibility that their solution and offerings will provide.			

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Q.No	Design sensitivity & thinking		Type :MCQ	
22	Find the correct logo of CNN A. B. C. D.			
Options	A.	B.	C.	D.
Correct Ans	D.			
Explanation	A. B. C. D.			

Q.No	Design sensitivity & thinking	Type :MCQ

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

23	The philosophical interpretation of Freud's work mainly focuses on which aspect of human behavior?			
Options	A.Economic development	B. Unconscious mind and human psychology	C. Political systems	D. Astronomical theories
Correct Ans	B. Unconscious mind and human psychology			
Explanation	Sigmund Freud is known for developing the theory of psychoanalysis, which emphasizes the role of the unconscious mind, dreams, instincts, and suppressed desires in shaping human behavior and personality.			

Q.No	Design sensitivity & thinking		Type :MCQ	
24	The painting The Starry Night mainly uses which type of colour scheme?			
Options	A.Monochromatic colour scheme	B. Complementary colour scheme	C. Analogous colour scheme	D. Triadic colour scheme
Correct Ans	C. Analogous colour scheme			
Explanation	The Starry Night by Vincent van Gogh mainly uses shades of blue, blue-green, and yellow tones placed close to each other on the colour wheel. Such neighbouring colours create an analogous colour scheme, giving the painting a harmonious and flowing visual effect.			

Q.No	Design sensitivity & thinking & Sensitivity	Type :MCQ
25	Identify the signage from the image?	

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Options	A Fire Alarm	B. Fire Exit	C. Fire Hoserel	D. Fire Sprinkler
Correct Ans	B. Fire Exit			
Explanation	Use red color as Fire, and For Exit provide Door.			

Q.No	Design sensitivity & thinking		Type :MCQ	
26	Identify the multinational company behind these logos:			
Options	A.General Elections	B. Grant Electric	C.General Electric	D. General Empowerment
Correct Ans	C.General Electric			

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Explanation	General Electric, commonly known as GE, is a multinational company founded in the United States. Its logo is recognized by the stylized "GE" monogram inside a circular design. The company is known for its work in aviation

Q.No	Design sensitivity & thinking		Type :MCQ	
27	Identify the organization behind the slogan **"Soul of India."**			
Options	A.Indian Railways	B. Air India	C.Incredible India	D. SpiceJet
Correct Ans	B. Air India			
Explanation	**"Soul of India"** is associated with **Air India**, India's national airline brand identity. The phrase reflected the airline's image of showcasing **Indian culture, hospitality, heritage, and warmth** to travelers around the world. It aligned with Air India's traditional branding and its role as a symbol of India in international aviation.			

Q.No	Design sensitivity & thinking		Type :MCQ	
28	Identify the organizations behind these logos:			
Options	A.IRCTC	B. IRTCT	C.ICRTC	D. ITRCR
Correct Ans	A.IRCTC			

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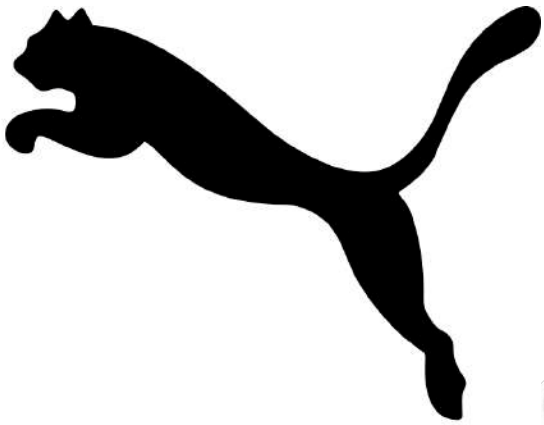
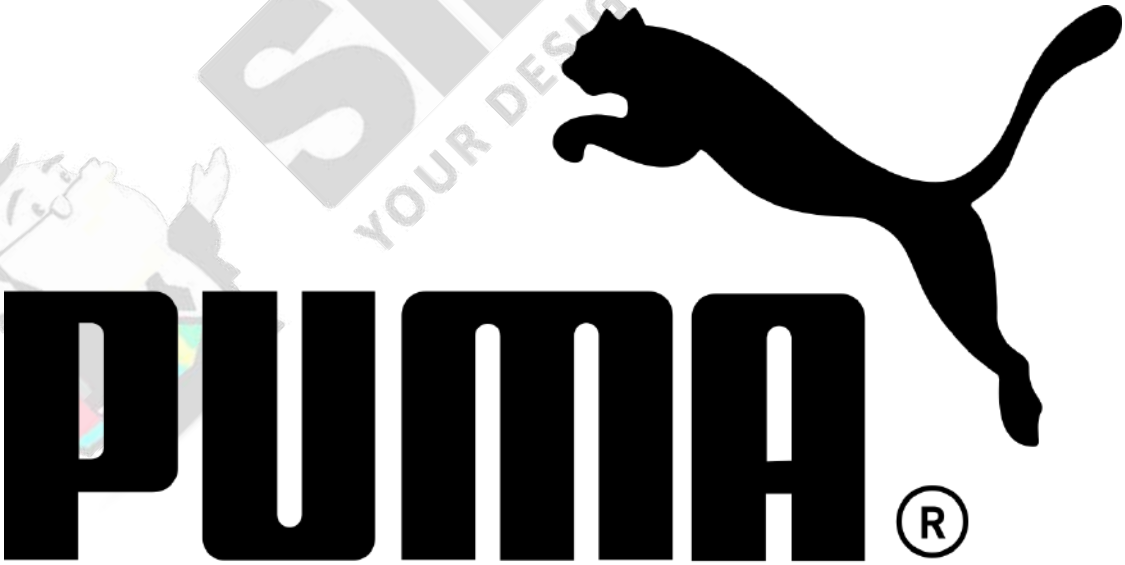
Explanation	 The Crest: The central element is a stylized triangular shield framed in light gray. The "R": At the center lies a bold blue square containing a white, stylized capital letter "R" (notably missing its left vertical bar), which is instantly recognizable as a railway symbol. The Orbits: Three sweeping, blade-like orbits emanate clockwise from the central triangle, creating a dynamic, forward-moving aesthetic that represents progress and travel.

Q.No	Design sensitivity & thinking	Type :MCQ
29	Identify the organizations behind these logos:	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

				
Options	A.Puma	B. Adidas	C.Nike	D. Reebok
Correct Ans	A.Puma			
Explanation				

Q.No	Design sensitivity & thinking	Type :MCQ

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30	Identify the organizations behind these logos:			
Options	A.Puma	B. Adidas	C.Bata	D. Reebok
Correct Ans	B. Adidas			
Explanation	adidas			

Q.No	Design sensitivity & thinking And Sensitivity	Type :MCQ
31	The following logo belongs to which company?	

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Options	A.Costa Coffee	B. Dunkin	C.Starbucks	D. Tim Hortons
Correct Ans	C.Starbucks			
Explanation	Starbucks is recognized worldwide for its green circular logo featuring a twin-tailed siren (mythical mermaid). The logo symbolizes the company's maritime heritage and global coffee culture.			

Q.No	Design sensitivity & thinking		Type :MCQ	
32	Identify the color of logo Parle -G?			
Options	A.Red	B. Brown	C.Blue	D. Black
Correct Ans	A.Red			
Explanation				

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Q.No	Design sensitivity & thinking		Type :MCQ	
33	Which drink company features a ribbon in their logo? - a. Pepsi b. Coca cola c. Dr Pepper d. Sprite			
Options	A.PepsiCo	B. Coca-Cola	C.Sprite	D. Red Bull
Correct Ans	B. Coca-Cola			
Explanation	Coca-Cola is well known for the “Dynamic Ribbon Device” used in its branding and logo design. The flowing ribbon shape represents movement, refreshment, and brand identity, making it one of the most recognizable beverage logos in the world.			

Q.No	Design sensitivity & thinking	Type :NCQ
34	Count the number of birds from the given picture?	

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Options	A.	B.	C.	D.
Correct Ans	23			
Explanation				

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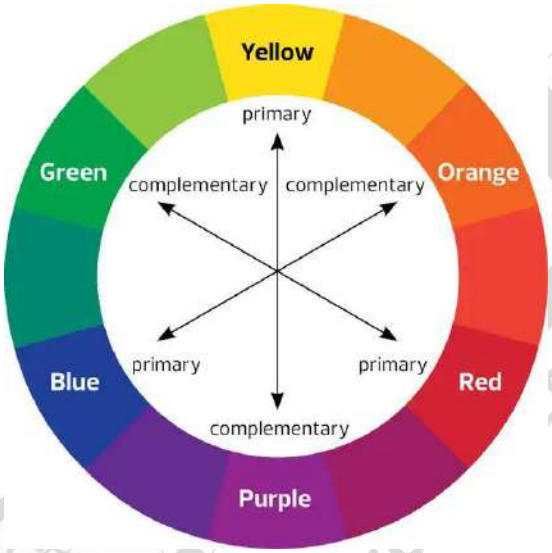
Q.No	Design sensitivity & thinking		Type :MCQ	
35	Which pair is not complementary ?			
Options	A.Red-Green	B. Blue-Orange	C.Yellow-Purple	D.Red-Purple
Correct Ans	D.Red-Purple			
Explanation				

Q.No	Design sensitivity & thinking	Type :MCQ
36	Count the number of chairs from the given image?	

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Options	A.	B.	C.	D.
Correct Ans	25			

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Explanation	

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Q.No	Design sensitivity & thinking		Type :MCQ	
37	What does anthropometry mean in product design?			
Options	A.Study of building materials	B. Measurement of human body dimensions for design	C.Study of colors in products	D. Method of manufacturing products
Correct Ans	B. Measurement of human body dimensions for design			
Explanation	**Anthropometry** refers to the **measurement of human body sizes, proportions, and movements**. In product design, it is used to create products that fit users comfortably, safely, and efficiently.			

Q.No	Design sensitivity & thinking		Type :MCQ	
38	What is the complementary colour of Blue?			
Options	A.Orange	B. Yellow	C.Red	D. Green
Correct Ans	A.Orange			

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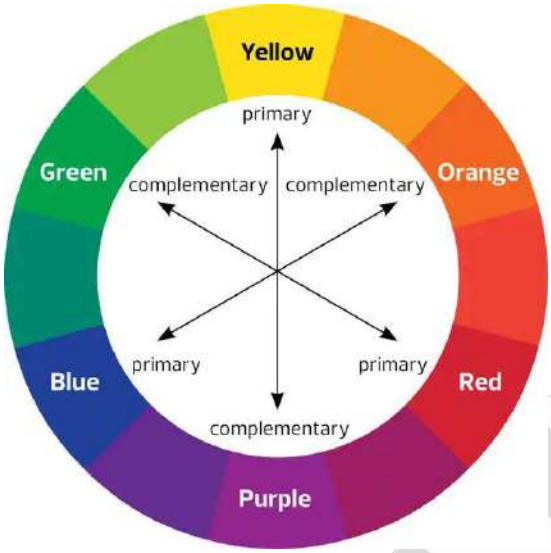
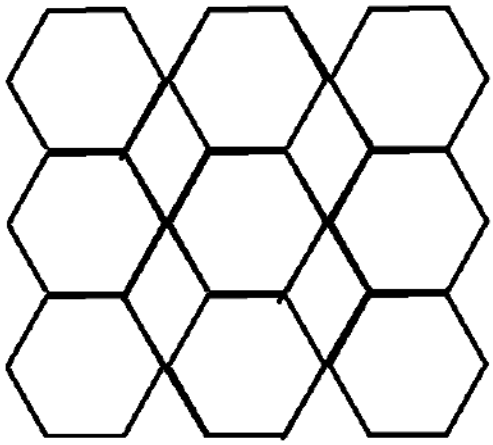
Explanation	

Q.No	Design sensitivity & thinking & sensitivity		Type :MCQ	
38	Count the number of hexagon 			
Options	A.9	B. 11	C.12	D. 10
Correct Ans	B. 11			

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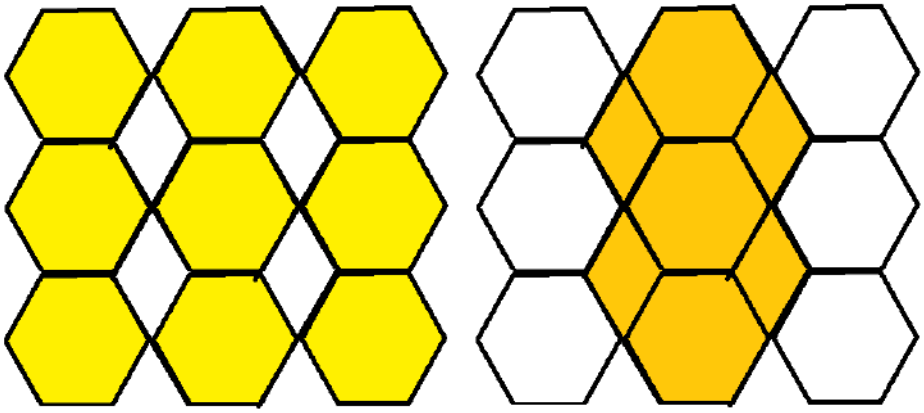
Explanation	

Q.No	Design sensitivity & thinking		Type :MCQ	
39	Identify the Logo			
Options	A.Siemens	B. Salesforce	C.Swiggy	D. Sanofi
Correct Ans	C.Swiggy			
Explanation	The Logo: The image displays the distinct orange map pin icon designed to form a stylized letter "S" using negative space.The Brand: This is the official logo for Swiggy, a major Indian online food delivery and quick-commerce company.			

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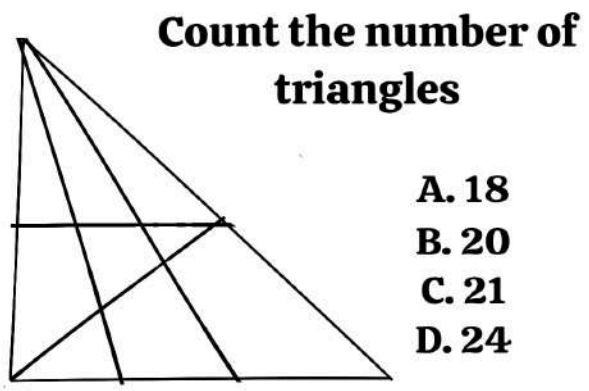
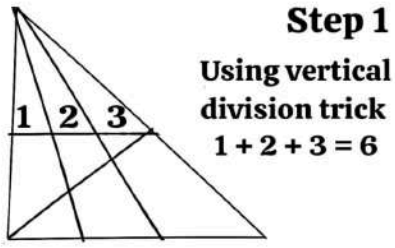
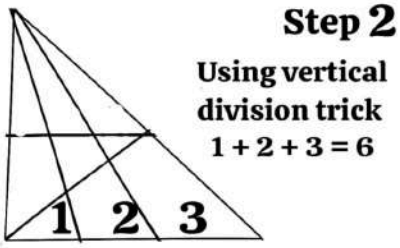
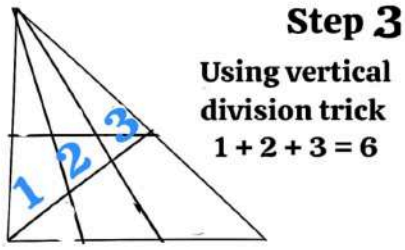
Q.No	Design sensitivity & thinking & sensitivity		Type :MCQ	
40				
Options	A.	B.	C.	D.
Correct Ans	D.24			
Explanation	  			

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	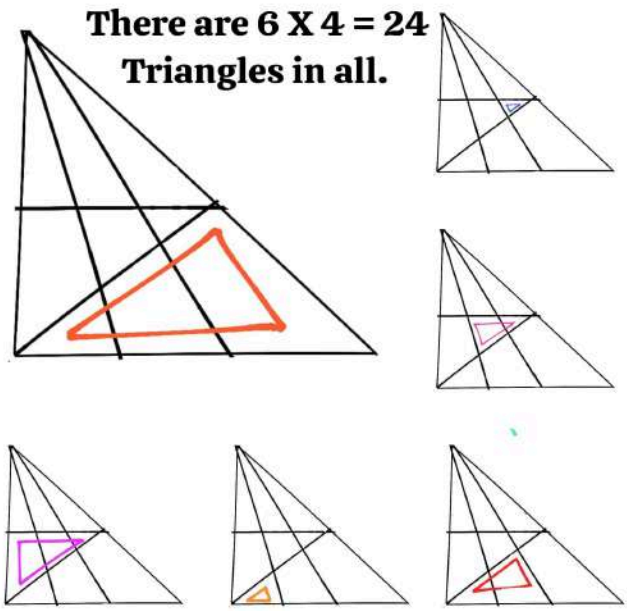

Q.No	Design sensitivity & thinking And Sensitivity	Type :MCQ
41	Identify the car brand 	

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Options	A.Volvo	B.TATA	C.Genesis Motors	D. Lemborgini
Correct Ans	C.Genesis Motors			
Explanation	Genesis Motor uses a **winged logo design** that represents **luxury, speed, elegance, and prestige**. **Logo Features:** ● **Wing-shaped emblem** → symbolizes **freedom, power, and high performance** ● **Central shield with "GENESIS" text** → represents **strength, identity, and premium quality** ● **Metallic / chrome finish** → conveys a **luxurious and modern image** Genesis Motors is a **luxury automobile brand from South Korea** and the **premium vehicle division of** Hyundai Motor Company. Its logo is designed to communicate **sophistication, innovation, and high-end automotive craftsmanship**.			

Q.No	Design sensitivity & thinking & sensitivity		Type :MCQ	
42	The main goal of ergonomics is to:			
Options	A.Increase decoration	B.Improve comfort and efficiency	C.Reduce construction cost	D. Enhance colour schemes
Correct Ans	B.Improve comfort and efficiency			
Explanation	Ergonomics focuses on designing for human comfort and usability.			

Q.No	Design sensitivity & thinking and Sensitivity	Type :MCQ
43	A colour scheme using colours opposite each other on the colour wheel is called:	

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Options	A.Monochromatic	B.Analogous	C.Complementary	D.Triadic
Correct Ans	C. Complementary			
Explanation	Complementary colours are positioned directly opposite each other on the colour wheel and create strong visual contrast when used together.			

Q.No	Design sensitivity & thinking and sensitivity		Type :MCQ	
44	Identify the logo from the given image?			
Options	A.Videocon	B.Vodafone	C.Voltas	D. Uninor
Correct Ans	B.Vodafone			

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Explanation	

Q.No	Design sensitivity & thinking And Sensitivity		Type :MCQ	
45	Which design principle focuses on creating balanced composition by equal distribution of elements?			
Options	A.Asymmetry	B.Symmetry	C.Radial balance	D. Alignment
Correct Ans	B.Symmetry			
Explanation	Symmetry creates visual balance by distributing elements equally on both sides of a central axis, resulting in harmonious and stable compositions.			

Q.No	Design sensitivity & thinking And Sensitivity		Type :MCQ	
46	Which principle is NOT related to traffic light design?			
Options	A.Alignment	B.Contrast	C.Scale	D. Rhythm
Correct Ans	D. Rhythm			

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Explanation	Traffic lights use alignment, contrast, and scale principles, but rhythm (repetition of elements) is not a core principle in their design.

Q.No	Design sensitivity & thinking And Sensitivity		Type :MCQ	
47	A colour palette with dark green and purple would be classified as:			
Options	A.Warm tone	B.Cool tone	C.Neutral	D. Monochrome
Correct Ans	B.Cool tone			
Explanation	Dark green and purple are both considered cool colours on the colour wheel, as they evoke feelings of calm and are associated with nature and shadows.			

Q.No	Design sensitivity & thinking And Sensitivity		Type :MCQ	
48	What does this sign indicates:			
Options	A.No entry	B.No stopping	C.Cross road	D. No road ahead
Correct Ans	B.No stopping			
Explanation	The red circle with an X inside is a traffic sign indicating "No stopping" - vehicles are not permitted to stop in that area.			

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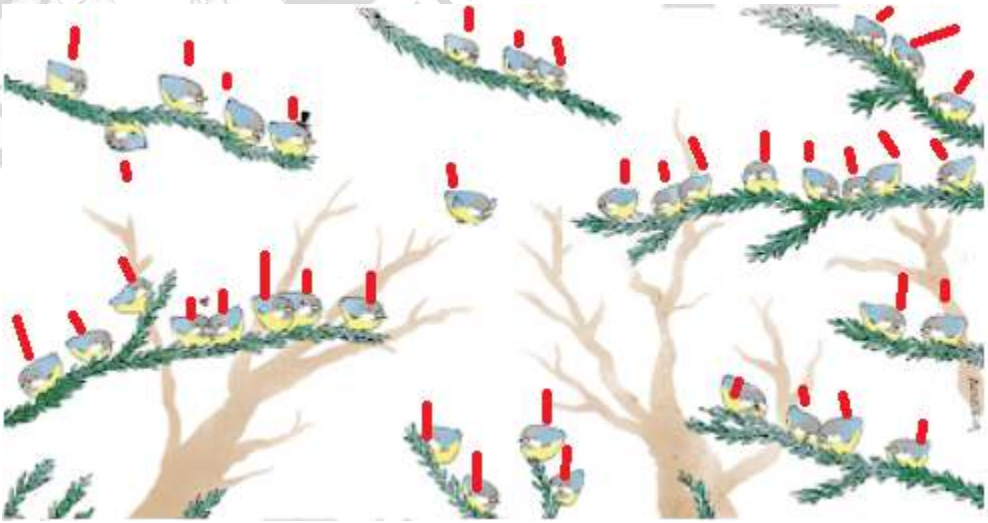
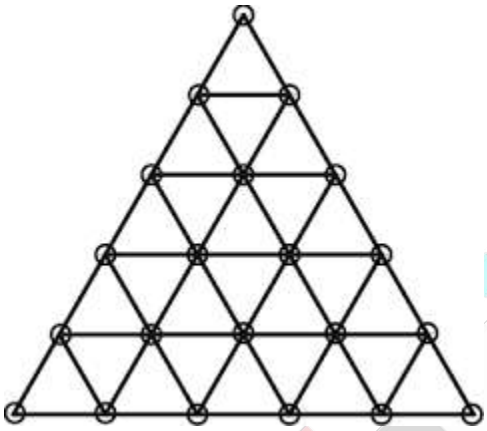
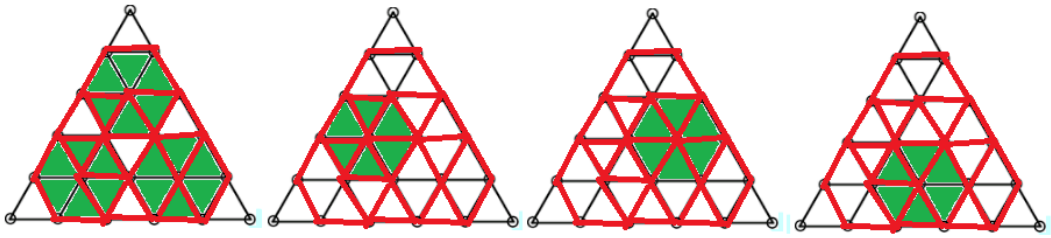
Q.No	Design sensitivity & thinking and sensitivity		Type :MCQ	
49	Count the total no. of Birds in the picture			
Options	A.36	B.38	C.40	D. 39
Correct Ans	B.38			
Explanation				

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Q.No	Design sensitivity & thinking and Sensitivity		Type :MCQ	
50	Count the total no. of Regular Hexagon in the picture 			
Options	A.7	B.6	C.5	D. 4
Correct Ans	B.6			
Explanation				

Q.No	Design sensitivity & thinking and Sensitivity		Type :MCQ	
51	The feel of a substance as rough or smooth is called			
Options	A.Pattern	B.Texture	C.Structure	D. form

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Correct Ans	B.Texture
Explanation	**Texture** refers to the surface quality or feel of a material — whether it is **rough, smooth, soft, hard, glossy, etc.**

Q.No	Design sensitivity & thinking		Type :MCQ	
52	Which of the following is a triadic colour scheme?			
Options	A.Red - Green-Orange	B.Blue - Orange-Violet	C.Red - Yellow - Blue	D. Yellow - Blue-Green
Correct Ans				
Explanation	A **triadic colour scheme** uses **three colours equally spaced on the colour wheel**. Example: ✅ **Red – Yellow – Blue** (classic triadic colour scheme) Other examples: • **Orange – Green – Violet** So, if these appear in your options, choose the set with **3 evenly spaced colours on the colour wheel**.			

Q.No	Design sensitivity & thinking and Sensitivity		Type :MCQ	
53	Identify the split complementary colour scheme:			
Options	A.Red - Green	B.Blue - Orange	C.Red - Blue-Green - Yellow-Green	D. Yellow - Purple
Correct Ans	C.Red - Blue-Green - Yellow-Green			

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

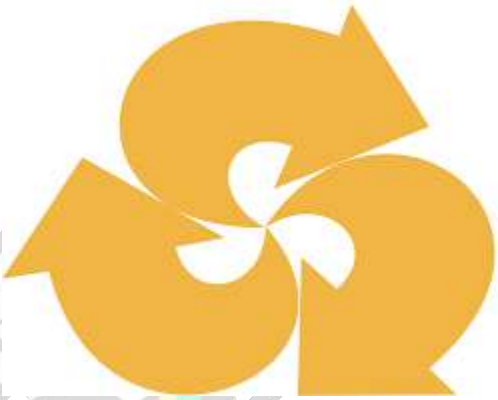
Explanation	A **split complementary colour scheme** uses: • **One base colour** + • **The two colours are adjacent to its complementary colour** on the colour wheel. For **Red**, the complementary colour is **Green**. The colours beside Green are **Blue-Green** and **Yellow-Green**. Therefore: **Red – Blue-Green – Yellow-Green** ✅

Q.No	Design sensitivity & thinking and Sensitivity		Type :MCQ	
54	Tertiary colours are formed by:			
Options	A.Mixing two primary colours	B.Mixing complementary colours	C.Mixing primary and secondary colours	D. Mixing black and white
Correct Ans	C.Mixing primary and secondary colours			
Explanation	**Tertiary colours are formed by mixing a primary colour with a nearby secondary colour.** ✅ Examples: • **Red + Orange = Red-Orange** • **Blue + Green = Blue-Green** • **Yellow + Orange = Yellow-Orange** In color theory, tertiary colours lie **between primary and secondary colours** on the color wheel.			

Q.No	Design sensitivity & thinking	Type :MCQ

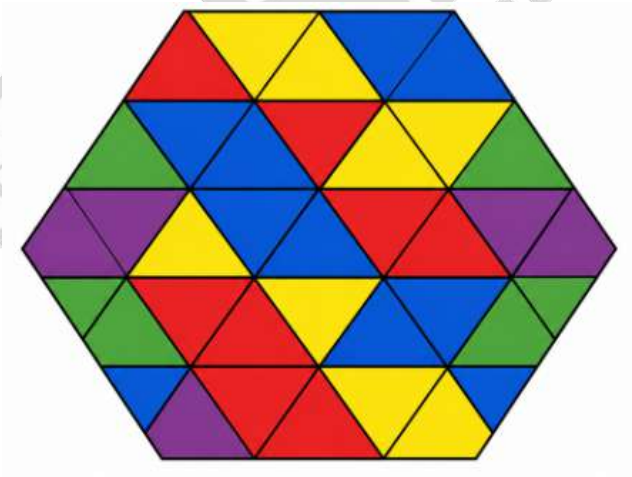
Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

55	In a **tessellation**, a **hexagon** will have how many **common vertices** meeting at a point?			
Options	A. 2	B. 3	C. 4	D. 6
Correct Ans	B. 3			
Explanation	In a **regular hexagonal tessellation**, **3 hexagons meet at one common vertex**. Each interior angle of a regular hexagon is **120°**, and **120° + 120° + 120° = 360°**, allowing a perfect tessellation without gaps.			

Q.No	Design sensitivity & thinking		Type :MCQ	
56	Identify the logo from the given image? 			
Options	A.Indian Bank	B.Canara Bank	C.Nagrik Bank	D. Bandhan Bank
Correct Ans	A.Indian Bank			
Explanation				

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Q.No	Design sensitivity & thinking		Type :MCQ	
57	M.F. Husain : Lightning :: Raja Ravi Varma : ?			
Options	A.Shakuntala	B.Guernica	C.Mona Lisa	D. The Last Supper
Correct Ans	A.Shakuntala			
Explanation	M. F. Husain → *Lightning* (modern, expressive work) Raja Ravi Varma → *Shakuntala* (famous mythological painting) 👉 Both pairs match **artist with their iconic artwork**, so the correct answer is **Shakuntala**.			

Q.No	Design sensitivity & thinking		Type :MCQ	
58	Count the number of rhombuses coloured using only primary colours in the given figure. 			
Options	A.12	B.14	C.16	D. 18
Correct Ans	C.16			

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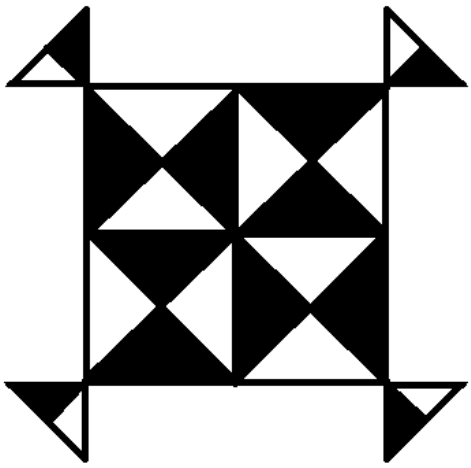
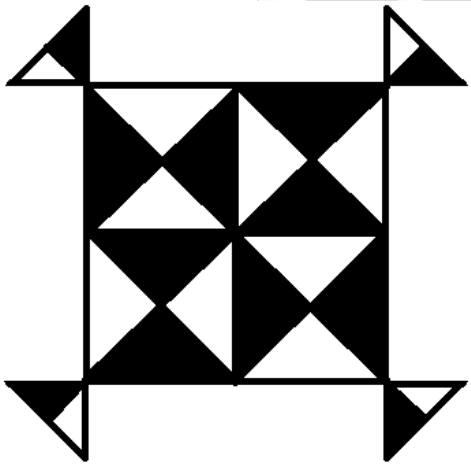
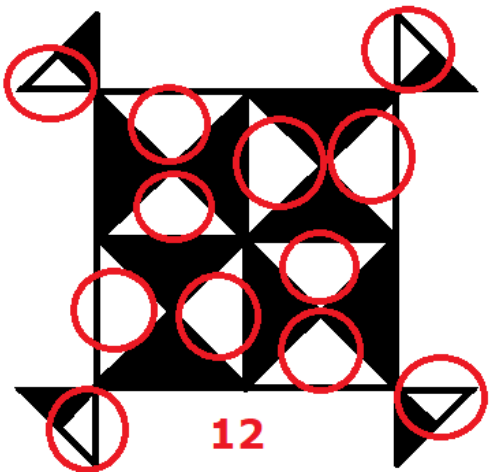
Explanation	A rhombus in this figure is formed by **two adjacent equilateral triangles** sharing a side. The question asks us to count only those rhombuses that are made using **primary colours**: • 🔴 Red • 🔵 Blue • 🟡 Yellow Do **not** count rhombuses containing: • 🟢 Green • 🟣 Purple **Method:** 1. Examine each pair of adjacent triangles that forms a rhombus. 2. Check whether both triangles are coloured only with primary colours (red, blue, or yellow). 3. Count all such rhombuses throughout the figure. 4. Exclude any rhombus containing green or purple triangles. After counting all valid rhombuses, the total number is: ✅ **16** **Correct Answer: C. 16**

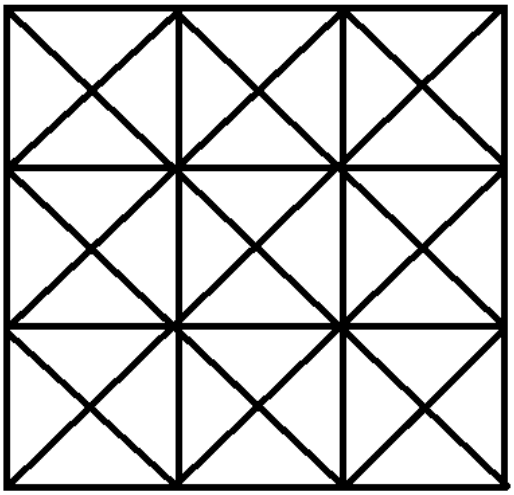
Q.No	Design sensitivity & thinking	Type :MCQ
59	Count the total number of white triangles in the figure.	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

				
Options	A.10	B.12	C.14	D. 16
Correct Ans	B.12			
Explanation	 			

Q.No	Design sensitivity & thinking	Type :MCQ
60	Find the total number of triangles in the figure.	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

				
Options	A. 124	B. 128	C. 132	D. 110
Correct Ans	A. 124			
Explanation	Small triangles inside each square Medium triangles formed by combining adjacent squares Larger triangles spanning multiple squares The biggest triangles across the whole 3×3 pattern			

Q.No	Design sensitivity & thinking	Type :MCQ
61	If the given image is folded in half, how will it look?	

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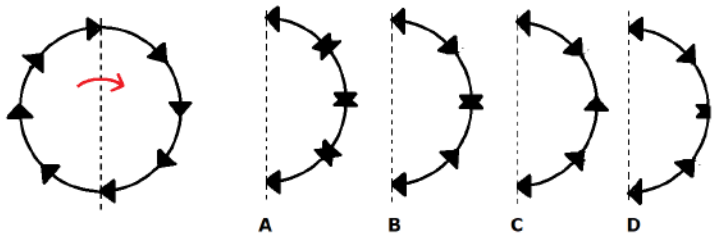
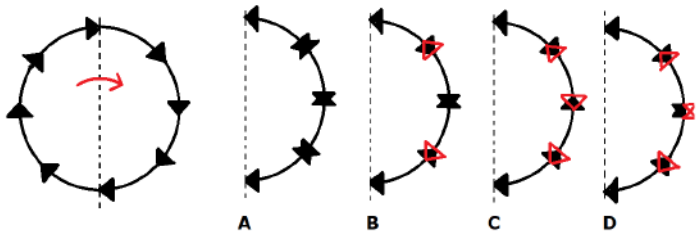
				
Options	A.	B.	C.	D.
Correct Ans	A			
Explanation				

Q.No	Design sensitivity & thinking		Type :NCQ	
62	How many common vertices can a single vertex connect to in a regular hexagonal tiling?			
Options	A.	B.	C.	D.
Correct Ans	3			
Explanation	*Each internal angle = 120°; 360° ÷ 120° = 3 → exactly 3 hexagons meet at one vertex*			

Q.No	Design sensitivity & thinking		Type :MCQ	
63	What do the letters *HB* stand for in pencil grading?			
Options	A.Hard Black	B.High Black	C.Hard and Black	D. Heavy Black

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Correct Ans	C.Hard and Black
Explanation	In pencil grading: • **H** = **Hardness** (hard lead, lighter marks) • **B** = **Blackness** (softer lead, darker marks) **HB** is a balanced grade that combines hardness and blackness, making it suitable for general writing, sketching, and drawing.

Q.No	Design sensitivity & thinking		Type :MCQ	
64	Arrange the steps in the traditional preparation of puri-kachori: 1. Kneading 2. Frying 3. Rolling			
Options	A.1 → 3 → 2	B.3 → 1 → 2	C.2 → 1 → 3	D. 1 → 2 → 3
Correct Ans	A.1 → 3 → 2			
Explanation	The usual process for making puri or kachori is: 1. **Kneading** the dough 2. **Rolling** the dough into small discs (and adding filling for kachori if required) 3. **Frying** in hot oil until golden and crisp			

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Q.No	Design sensitivity & thinking		Type :MCQ	
65	Which fabric to wear in climate of Chennai			
Options	A.Wool	B.Velvet	C.Cotton	D. Leather
Correct Ans	C.Cotton			
Explanation	Chennai has a **hot and humid tropical climate** for much of the year. **Cotton** is the most suitable fabric because it: • Absorbs sweat effectively • Allows air circulation • Keeps the body cool and comfortable • Is lightweight and breathable			

Q.No	Design sensitivity & thinking		Type :MCQ	
66	Why is natural light encouraged in educational institutions (to promote focus and concentration of students)			
Options	A.To reduce building height	B.To promote focus and concentration of students	C.To increase noise levels	D. To decrease classroom space
Correct Ans	B.To promote focus and concentration of students			
Explanation	Natural light is encouraged in educational institutions because it helps improve **focus, concentration, mood, and learning performance** of students. Well-lit classrooms create a healthier and more comfortable environment, reduce eye strain, and support better academic productivity.			

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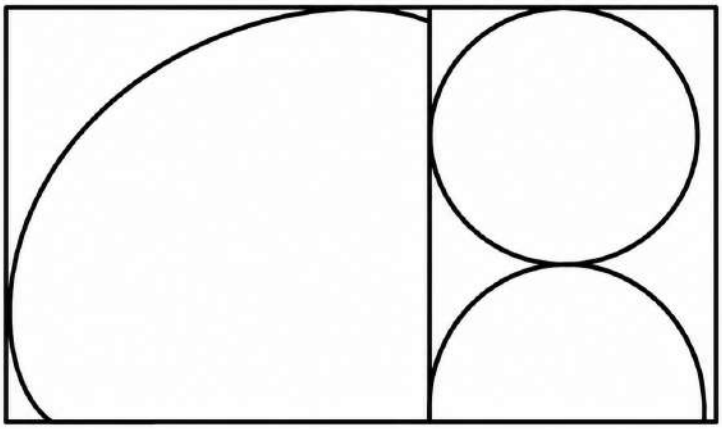
Q.No	Design sensitivity & thinking & Sensivity		Type :MCQ	
67	if kitchen is similar to dining room then			
Options	A. it is far apart	B.then bedroom and garage are similar	C.then bedroom and hall are similar	D. it is in close proximity
Correct Ans	D. it is in close proximity			
Explanation	A **kitchen** and a **dining room** are typically located **close to each other** in a house for convenience in serving and eating food. The relationship is based on **functional adjacency (proximity)**, not similarity of purpose.			

Q.No	Design sensitivity & thinking		Type :MCQ	
68	What kind of proportionality does this depict 			
Options	A.Modular proportion	B.Golden Ratio / Golden Proportion	C.Linear proportion	D. Radial symmetry

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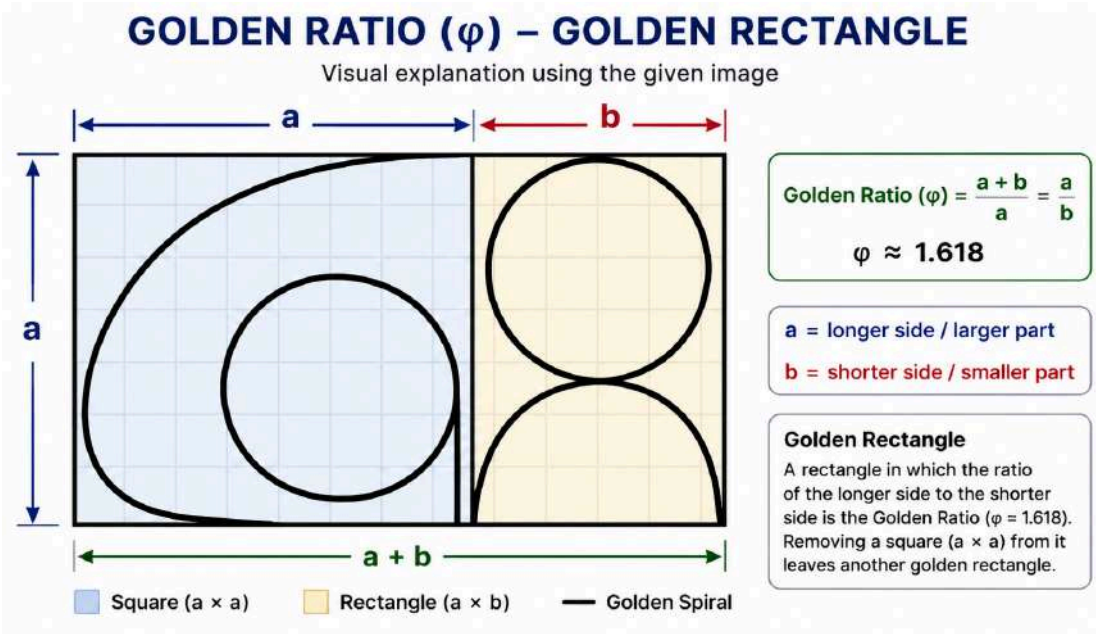
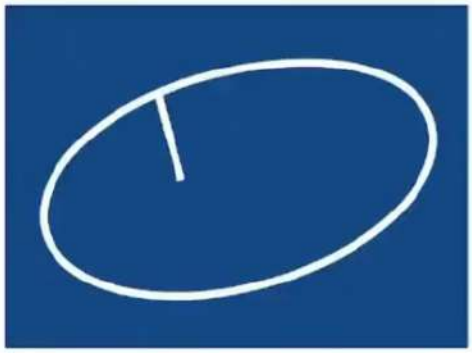
Correct Ans	B.Golden Ratio / Golden Proportion
Explanation	

Q.No	Design sensitivity & thinking		Type :MCQ	
69	Identify the logo from the picture. 			
Options	A.Headic	B.Apco	C. Godrej Interio	D. Hafele
Correct Ans	B.Apco			

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Explanation	Apco is a well-known Indian modular furniture brand.

Q.No	Design Thinking		Type :MCQ	
70	Which traditional Indian architectural element is reinterpreted in the design of the new Parliament building to improve natural light?			
Options	A.Jali	B.Domes	C. Arches	D. Jharokha
Correct Ans	A.Jali			
Explanation	The new Parliament features a massive perforated bronze jali screen inspired by Mughal and Rajasthani traditions — engineered for daylight diffusion, glare control, and thermal regulation.			

Q.No	Design thinking & sensitivity		Type :MCQ	
71	A painting uses Red, Green, Yellow, and Blue colours. Which colour scheme is being used?			
Options	A.Complementary	B.Triadic	C. Tetradic	D. Analogous
Correct Ans	C. Tetradic			
Explanation	• **Complementary** = 2 opposite colours (e.g., Red–Green) ❌ • **Triadic** = 3 colours equally spaced on the colour wheel ❌ • **Analogous** = 3 or more neighbouring colours ❌ • **Tetradic** = 4 colours forming two complementary pairs ✅ Since the painting uses **four colours (Red, Green, Yellow, and Blue)**, it best fits a **Tetradic colour scheme**.			

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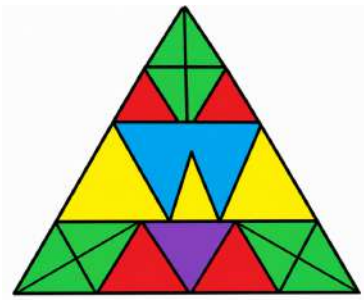
Q.No	Design thinking		Type :MCQ	
73	Observe the coloured triangular pattern carefully and answer the following question: How many secondary-coloured right-angled triangles have at least one side in common with another secondary-coloured triangle? 			
Options	A.6	B.7	C. 8	D. 10
Correct Ans	C. 8			
Explanation	Secondary colours in the figure are **Green** and **Violet**. Count only the **right-angled triangles** that: 1. Are coloured with a secondary colour, and 2. Share at least one side with another secondary-coloured triangle. There are **8 such green right-angled triangles** in the figure.			

Q.No	Design sensitivity & thinking	Type :MCQ
74	What does this sign mean?	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Options	A.Hold onto railing for stability	B.Don't lean against handrail	C. Stand on the right side of escalator	D. Use handrail for support when walking
Correct Ans	A.Hold onto railing for stability			
Explanation	The sign shows a person **holding a handrail**, indicating that users should **grip the handrail for safety and balance** while using stairs, ramps, or escalators.			

Q.No	Design thinking		Type :MCQ	
75	Which of the following are the four design principles in color?			
Options	A.Contrast, Shade, Value, Hue	B.Hue, Shape, Texture, Pattern	C. Shade, Line, Form, Texture	D. Balance, Unity, Rhythm, Pattern
Correct Ans	A.Contrast, Shade, Value, Hue			
Explanation	These are key principles used in understanding and applying color effectively in design.			

Q.No	Design Thinking		Type :MCQ	
76	Which regular polygon does NOT tessellate the plane by itself?			
Options	A.Triangle	B.Square	C. Hexagon	D. Pentagon

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Correct Ans	D. Pentagon
Explanation	Regular pentagons cannot cover a plane without gaps or overlaps.

Q.No	Design thinking		Type :MCQ	
77	What secondary colour is obtained by mixing Blue and Red colours			
Options	A.Orange	B.Violet	C. Green	D. Red - brown
Correct Ans	B.Violet			
Explanation	In the traditional colour wheel used in art and design: • **Red + Yellow = Orange** • **Yellow + Blue = Green** • **Blue + Red = Purple (Violet)**			

Q.No	Design Thinking and Sensitivity	Type :MCQ
78	Identify the Signage from the image? 	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Options	A.Ramp zone	B.Barrier free zone	C. Medical zone	D. Silent zone
Correct Ans	B.Barrier free zone			
Explanation	A **Barrier-Free Zone** sign indicates that the area is designed to be accessible for people with disabilities, including wheelchair users, elderly individuals, and those with mobility challenges. Such areas may include ramps, elevators, tactile paving, accessible toilets, and wider pathways.			

Q.No	Design Thinking and Sensitivity		Type :MCQ	
79	Identify the Signage from the image?			
Options	A.Left side Turn Ahead	B.Merging Traffic Ahead	C.Right side Turn Ahead	D. Left side lane Ahead
Correct Ans	B.Merging Traffic Ahead			
Explanation	The **Merging Traffic Ahead** sign warns drivers that vehicles from another lane or road will be joining the current traffic flow. Drivers should reduce speed if necessary, stay alert, and allow space for merging vehicles.			

Q.No	Design Thinking and Sensitivity	Type :MCQ
80	Identify the Signage from the image?	

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

Options	A.Men at Work	B.Accident	C. Dustbin	D.Food court
Correct Ans	A.Men at Work			
Explanation	The **"Men at Work"** sign is a warning sign used to alert drivers and pedestrians that construction, repair, or maintenance activities are taking place ahead. It advises people to slow down, proceed with caution, and watch for workers, equipment, or temporary traffic changes.			

Q.No	Design Thinking		Type :MCQ	
81	What is the purpose of tactile pavers?			
Options	A.To increase vehicle speed	B.To decorate walkways	C. To reduce road noise	D. To guide and alert visually impaired persons
Correct Ans	D. To guide and alert visually impaired persons			
Explanation	Tactile pavers (also called tactile paving) are textured ground-surface indicators installed on sidewalks, railway platforms, and pedestrian crossings. They help **visually impaired people** navigate safely by providing detectable patterns underfoot or with a cane.			

Q.No	Design Sensitivity	Type :MCQ

Disclaimer : (This Paper has been recreated based on discussions with Students. The text may vary slightly in the Original Paper)

82	The cracking sound and spark observed when removing polyester/woollen clothes in winter is caused by:			
Options	A.Static electricity and subsequent electric discharge	B.Magnetic force	C. Chemical reaction	D. Air pressure
Correct Ans	A.Static electricity and subsequent electric discharge			
Explanation	Friction between insulating fabrics (e.g., polyester-wool) causes electron transfer → charge separation → buildup of static electricity. When discharged (e.g., near metal or skin), it produces light (spark) and sound (crack) — a classic example of *triboelectric effect*. When polyester or woollen clothes rub against the body or other fabrics, **electric charges accumulate** on their surfaces due to friction. When the clothes are removed, these charges suddenly discharge, producing a **crackling sound and small sparks**, especially in dry winter air. This phenomenon is known as **static electricity**.			

Q.No	Design thinking		Type :MCQ	
83	Arrange in correct sequence: 1.Assessment,2. Diagnosis, 3.Planning, 4.Implementation, 5.Evaluation			
Options	A.1-3-2-4-5	B.1-2-3-4-5	C. 1-2-4-3-5	D. 1-2-4-3-5
Correct Ans	B.1-2-3-4-5			
Explanation	This is the standard **nursing process (ADPIE)** used in healthcare. 1. **Assessment** – Collect patient information and data. 2. **Diagnosis** – Identify the patient's health problems. 3. **Planning** – Set goals and determine interventions. 4. **Implementation** – Carry out the planned interventions.			

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	5. **Evaluation** – Assess whether the goals were achieved.

Q.No	Design Thinking		Type :MCQ	
84	Which design principle does a traffic light use?			
Options	A.Hierarchy	B.Contrast	C. Balance	D. Emphasis
Correct Ans	A.Hierarchy			
Explanation	Traffic lights rely on high-contrast colour coding (red/yellow/green), spatial arrangement, and standardised meaning — rooted in Gestalt principles and universal design. Among core design principles (balance, rhythm, emphasis, contrast, unity), contrast is the most fundamental here — enabling instant differentiation and reaction.			

Q.No	Design Sensitivity		Type :MCQ	
85	Which color combination produces brown?			
Options	A.Red + Yellow + Blue	B.Red + Yellow +	C. Blue + Yellow	D. Green +Yellow
Correct Ans	A.Red + Yellow + Blue			
Explanation	In traditional color theory (used in painting and art), mixing the three primary colors—**red, yellow, and blue**—in appropriate proportions produces **brown**. Brown is considered a tertiary color formed by combining primary colors.			