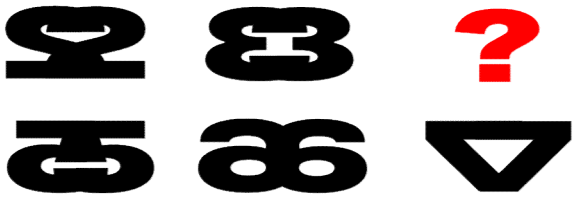
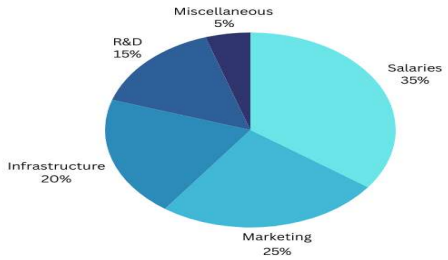
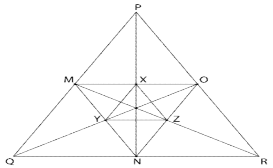
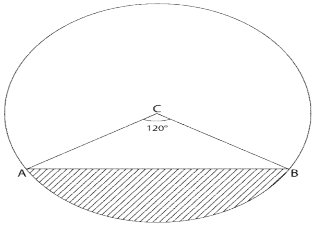
UID DAT (UG) - 2025

S NO.	QTEXT	A	B	C	D	MARK
1	Below are eight puzzle pieces. When arranged in the correct order, they form a five-character alphanumeric word. What is the resulting word after the correct arrangement? 	U25II	UID25	25CII	CID25	1
2	A designer describes a product as "a bridge between generations." This is an example of:	Simile	Metaphor	Personification	Hyperbole	1
3	The collective noun for a group of giraffes is:	A herd	A tower	A troop	A colony	1
4	The word "perspicacious" is closest in meaning to:	Insightful	Confused	Unintelligent	Forgetful	1
5	Identify the correct wheel that matches the vehicle described above. Which one is the right fit? 					1
6	Identify the figure of speech: "The design sparkled like a diamond in the light."	Simile	Metaphor	Hyperbole	Personification	1
7	Choose the antonym of "Perfunctory."	Indifferent	Negligent	Superficial	Enthusiastic	1
8	The below passage has been created based on common knowledge about the impact of Artificial Intelligence on Art and Design. Title : Artificial Intelligence on Art and Design. Artificial Intelligence (AI) has revolutionized the fields of art and design, transforming how creators conceptualize, develop, and present their work. With tools powered by AI, artists and designers can explore new dimensions of creativity while automating repetitive tasks, saving time and effort. AI-powered software allows designers to generate ideas through algorithmic suggestions, offering innovative solutions that may not have been considered traditionally. In art, AI has paved the way for generative artworks, where algorithms create pieces that push the boundaries of human imagination. AI systems like GANs (Generative Adversarial Networks) are being used to produce stunning visuals and even replicate artistic styles of masters like Van Gogh and Picasso. In design, AI aids in creating user-friendly interfaces, analysing user behaviour, and personalizing experiences. Tools such as Adobe Sensei and Canva's AI features enable even non-designers to produce professional-grade work. Moreover, AI's ability to predict trends by analysing vast datasets is reshaping industries like fashion and product design. However, the integration of AI also raises questions about authenticity and the role of human creativity. While AI can assist and inspire, it cannot replace the emotional depth and contextual understanding that human creators bring to their work. Instead, the synergy between human ingenuity and AI innovation holds the key to the future of art and design.					
8A	What is a significant advantage of AI in art and design?	It eliminates the need for human creators.	It automates repetitive tasks and generates new	It restricts creativity to specific styles.	It focuses solely on traditional art forms.	1
8B	What are Generative Adversarial Networks (GANs) used for in art?	Creating traditional sculptures	Generating visuals and replicating artistic styles	Analysing user behaviour	Automating repetitive design tasks	1
8C	How does AI contribute to design processes?	By discouraging user-friendly interfaces	By analysing user behaviour and personalizing experiences	By removing the need for user interaction	By avoiding trend analysis	1
8D	What concern does the passage raise about the use of AI in art and design?	AI cannot analyse data accurately	AI may compromise authenticity and human creativity	AI cannot produce generative artwork.	AI discourages collaboration between humans and machines	1
8E	What is the suggested way forward for art and design in the age of AI?	Relying entirely on AI for creativity	Combining human creativity with AI innovation	Avoiding AI tools to preserve traditional methods	Replacing human creators with AI systems	1

9	Which figure should replace '?' 					1
10	Which of the following shapes cannot tessellate a plane?	Equilateral triangle	Square	Regular pentagon	Regular hexagon	1
11	Arrange the following in a logical sequence: 1. Publish 2. Write 3. Edit 4. Conceptualize 5. Proofread	4, 2, 3, 5, 1	2, 4, 3, 5, 1	3, 4, 2, 1, 5	4, 3, 2, 5, 1	1
12	Identify the missing group in the sequence: PQR, TUV, XYZ, __, FGJ	CDE	ABC	DEF	BCD	1
13	Which of the following is NOT a simple machine?	Lever	Pulley	Screw	Engine	1
14	Identify the architect who designed the given structure 	Le Corbusier	Frank Lloyd Wright	Norman Foster	A traditional wooden façade	1
15	The curved shape of the arrow in the Amazon logo resembles a smile. This semantic choice is most likely intended to:	Reinforce the brand's playfulness and casual nature	Indicate the speed and reliability of the service	Highlight customer satisfaction and positive experiences	Emphasize the global reach of the company	1
16	Who was the first Indian to win an individual gold medal at the Olympics?	Abhinav Bindra	Neeraj Chopra	Leander Paes	Sushil Kumar	1
17	Pie Chart: Distribution of a Company's Expenses (₹ in Lakh) 					
17A	If the total annual expenses are ₹200 lakh, what is the expenditure on Marketing?	₹40 lakh	₹45 lakh	₹50 lakh	₹55 lakh	2
17B	How much more is spent on Salaries compared to R&D?	₹40 lakh	₹30 lakh	₹25 lakh	₹35 lakh	2
17C	What is the percentage of total expenditure spent on Infrastructure and Miscellaneous together?	25%	20%	30%	35%	2

17D	If the company plans to increase R&D spending by 50%, what will be the new expenditure on R&D?	₹20 lakh	₹30 lakh	₹22.5 lakh	₹25 lakh	2
18	The midpoints of sides PQ, QR, and PR in triangle PQR are M, N and O respectively. The medians drawn from P, Q and R intersect the line segments OM, MN, and ON at X, Y and Z respectively. If the area of triangle ABC is 1440 square cm, then the area in square cm of triangle XYZ is 	80 sq.cm	60 sq.cm	70 sq.cm	None of the above	2
19	A train travelled a certain distance at a uniform speed. Had the speed been 10 km per more it would have needed 5 hours less. Had the speed been 5 km per less it would have needed 5 hours more. The distance in kilometres travelled by the train is	300	450	350	400	2
20	A regular octagon A, B, C, D, E, F, G, H has sides of length 6 cm each. Then the area, in sq. cm, of the square ACEG is	72(1+√2)	36(2+√2)	36(1+√3)	72(2+√3)	2
21	Match the following  A. Kathak Dance B. Kathakali Dance C. Bharatnatyam Dance D. Manipuri Dance	(1 - A) (2 - C) (3 - B) (4 - D)	(1 - C) (2 - D) (3 - B) (4 - A)	(1 - D) (2 - A) (3 - C) (4 - B)	(1 - D) (2 - B) (3 - A) (4 - C)	2
22	For some constant real numbers p, q and r, consider the following system of linear equations in x and y: px - 4y = 2 3x + qy = r A necessary condition for the system to have no solution for (x, y), is	pq + 6 = 0	2r + q ≠ 0	rp - 6 = 0	pq + 12 ≠ 0	2
23	A circular plot of land is divided into two regions by a chord of length 8√3 metres such that the chord subtends an angle of 120° at the centre. Then the area, in square meters of the shaded region is 	16(4π/3- √3)	20(4π/3+ √3)	25(4π/3- √3)	25(4π/3+ √3)	2

24	Draw a perspective drawing from the point of view of your chosen character/ object and think creatively about how the world looks like. Write a Concept Note (80 - 100 Words) in the given space. ● An Ant ● A Household Lizard ● A Ceiling Fan ● A CCTV Camera OR Design a modern desk lamp that offers adjustable features for different purposes, such as focused lighting for work and softer lighting for relaxation. The design should prioritize flexibility, functionality, and aesthetics, catering to the needs of a modern workspace or living environment. Write a Concept Note (80 - 100 Words) in the given space.	INSTRUCTIONS: Paper size: A4 Paper orientation: will be decided by the candidate Name, Candidate ID & Question no. should be written on the corner of the page Do not use scale. Use only HB/2B/4B/6B/8B pencil Do not use sketch pens or markers Use colored pencils only for rendering Once completed, Upload the file as instructed	15
25	How would you transform an everyday object or product from your surroundings into a futuristic version, while retaining recognizable elements that reflect its original form? 1. Choose and Illustrate the Present Object: Create a detailed drawing of the chosen object as it exists today. 2. Conceptualize and Draw the Futuristic Version: Reimagine the object with advanced design and technology, showing how it might evolve into a futuristic product while maintaining elements that hint at its origins. 3. Write a Concept Note (80 - 100 Words): Describe the evolution of the object, explaining the features that bridge its current form and its futuristic innovation OR Design an illustration where a child is riding a tricycle while the parent walks beside it, holding onto the handlebars. The setting can be a suburban street, with houses or a playground in the background, emphasizing the relationship and interaction between the parent and child while highlighting the proportions between them. Write a Concept Note (80 - 100 Words) in the given space.	INSTRUCTIONS: Paper size: A4 Paper orientation: will be decided by the candidate Name, Candidate ID & Question no. should be written on the corner of the page Do not use scale. Use only HB/2B/4B/6B/8B pencil Do not use sketch pens or markers Once completed, Upload the file as instructed	15
26	Futuristic Sportswear for Enhanced Performance: Design a set of sportswear for professional athletes in 2050. How would technology be integrated to monitor performance, enhance recovery, or optimize physical output? What would the aesthetics of these garments be like in a world focused on high-tech, high-performance fashion? OR India is preparing to host the Olympics in 2036, and the nation is committed to making it a grand success. This global event is an opportunity to showcase India's rich tradition, culture, vibrant colors, diverse heritage, and its unifying spirit to the world. Your task is to design: 1. A Logo: A visual symbol that represents the essence of the 2036 Olympics in India. The logo should reflect: o India's cultural and historical richness. o Themes of unity, diversity, and the Olympic spirit. o A creative use of colors, patterns, or motifs inspired by India's traditions, festivals, and art forms. 2. A Mascot: A character that embodies the spirit of the games and resonates with people of all ages. The mascot should: o Be inspired by Indian culture, mythology, or wildlife. o Exude energy, inclusiveness, and friendliness. o Use vibrant colors and have a backstory that ties to the theme of the Olympics.	INSTRUCTIONS FOR OPTION 1: 1. Write your concept in approximately 150 words. 2. Highlight the following aspects in your answer: ○ Technology Integration: How will the garments use sensors, AI, or other innovations? ○ Material Choices: What futuristic or sustainable materials will you use? ○ Performance Enhancement: Explain how the sportswear will aid athletes during and after their activities. ○ Aesthetic Appeal: Describe the visual design—colors, patterns, and futuristic elements. 3. Use your imagination to create an innovative, practical, and visually compelling solution. INSTRUCTIONS FOR OPTION 2: ● Logo Design: Create a detailed rendering of the logo with a symbolic and modern design, incorporating colour and cultural elements. Annotate the design to explain the meaning behind its elements and how they represent India and the Olympics. ● Mascot Design: Draw a detailed, colourful rendering of the mascot, giving it a unique personality and charm. Include a brief description of its backstory, name, and what it symbolizes for the event. ● Focus on blending tradition with modernity to create designs that are visually appealing, meaningful, and memorable. ● One fully rendered logo design with annotations. ● One detailed mascot design with a brief backstory and symbolism ● Write a Concept Note (120 - 150 Words) in the given space.	30