

# GRAPHIC ERA UNIVERSITY

## Graphic Era Common Entrance Test (GECET)

### Sample Test Paper – **Design**

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**Total Duration:** 120 Minutes (Aptitude plus Domain specific)

**Total Aptitude Questions:** 50

**Total Aptitude Marks:** 70

**Marks for Domain paper:** 30

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### **IMPORTANT INSTRUCTIONS**

1. Read each question carefully before answering.
2. All questions are compulsory.
3. There is no negative marking.
4. Use of calculators is not permitted unless explicitly allowed.

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### **Marking Scheme:**

- Domain-Specific: 15 Questions  $\times$  2 Marks = 30 Marks
- Aptitude: 30 Questions  $\times$  1 Mark + 20 Questions  $\times$  2 Marks = 70 Marks

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### **SECTION 1: APTITUDE**

**(Common Aptitude Sample Questions in a separate document)**

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### **SECTION 2**

**Domain Specific (2 Marks Each)**

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**1. In a  $3 \times 3$  grid, three symbols — circle, square, and triangle — are arranged such that each symbol appears exactly once in every row and every column.**

**Row 1: circle, square, triangle**

**Row 2: square, triangle, circle**

**Row 3: triangle, circle, \_\_\_\_\_**

**What is the final symbol needed to complete the third row?**

- a) square
- b) star
- c) hexagon
- d) triangle

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**2. Imagine a flat “T”-shaped piece of paper consisting of six equal squares. If you fold this net into a 3D solid, which shape will it form?**

- a) cylinder
- b) tetrahedron
- c) cube
- d) pyramid

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**3. An airport has two long terminals. Terminal A uses numbers (1, 2, 3), and Terminal B also uses numbers (1, 2, 3). Why is this a poor design for navigation?**

- a) it uses too many numbers
- b) it causes confusion because “gate 1” exists in two different places
- c) people prefer letters over numbers
- d) the numbers are too small to read

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**4. A pattern of dots is arranged in increasingly larger square grids:**

**1st square:  $1 \times 1$  grid  $\rightarrow$  1 dot**

**2nd square:  $2 \times 2$  grid  $\rightarrow$  4 dots**

**3rd square:  $3 \times 3$  grid  $\rightarrow$  9 dots**

**How many dots will be in the 4th square (4×4 grid)?**

- a) 16
- b) 12
- c) 13
- d) 25

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**5. Three gears A, B, and C are connected in a straight line. Gear A touches Gear B, and Gear B touches Gear C. If Gear A rotates clockwise, in which direction does Gear C rotate?**

- a) counter-clockwise
- b) clockwise
- c) it remains stationary
- d) it oscillates back and forth

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**6. Which iconic architectural landmark is defined by four massive tapering iron lattice legs that meet to form a single spire?**

- a) leaning tower of pisa
- b) burj khalifa
- c) eiffel tower
- d) taj mahal

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**7. A logo fragment shows a simple bold “swoosh” or checkmark shape. Which global brand does this mark represent?**

- a) reebok
- b) puma
- c) nike
- d) adidas

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**8. In technical drawing, a 3D object is described by three primary views.**

**Front view: rectangle**

**Side view: rectangle**

**Top view: perfect circle**

**Which 3D shape matches these descriptions?**

- a) sphere
- b) cube
- c) cylinder
- d) cone

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**9. If you look at a clock in a mirror and the time appears to be 9:00, what is the actual time?**

- a) 12:45
- b) 21:00
- c) 03:00
- d) 09:00

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**10. You have four textures: sandpaper, silk, polished granite, and frosted glass. Which one is the odd one out based on tactile frictional properties?**

- a) silk
- b) polished granite
- c) sandpaper
- d) frosted glass

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**11. Complete the analogy:**

**Anchor is to ship as brake is to \_\_\_\_\_.**

- a) wheel
- b) pedal
- c) horse
- d) car

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**12. In a photograph of a building, the shadows are very long and the light has a warm orange-yellow tint. What time of day was the photo most likely taken?**

- a) exactly noon
- b) midnight
- c) early morning or late afternoon
- d) mid-morning

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**13. A solid cylinder is cut by a flat plane at a 45-degree angle to its vertical axis. What is the shape of the resulting cross-section?**

- a) circle
- b) rectangle
- c) triangle
- d) ellipse

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**14. When a straight straw is placed in a glass of water, it appears to bend at the surface. This optical phenomenon is called:**

- a) diffraction
- b) reflection
- c) refraction
- d) polarization

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**15. Which material is considered the most brittle, meaning it is likely to shatter suddenly under stress rather than bend?**

- a) wood
- b) rubber
- c) ceramic
- d) copper

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## **ANSWER KEY**

<b>Question No.</b>	<b>Answer</b>
1	a
2	c
3	b
4	a
5	b
6	c
7	c
8	c
9	c
10	c
11	d
12	c
13	d
14	c
15	c

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