

# GRAPHIC ERA UNIVERSITY

## Graphic Era Common Entrance Test (GECET)

**Sample test paper for Aptitude – Common to all Programs**

**(General Aptitude, Verbal Ability and Reasoning)**

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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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### **About This Model Paper**

This model paper is provided to help candidates:

- Understand the examination pattern
- Familiarize themselves with question types
- Practice structured preparation
- Build confidence before the actual examination

The level and structure are representative of the actual test.

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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:**

**Section A – General Aptitude**

1 mark per question

**Section B – Verbal and Reasoning**

2 marks per question

All questions are compulsory.

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**SECTION A - (1 Mark Each)**

**General Aptitude**

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**1. In a class, the ratio of boys to girls was 3:4. In a particular exam, 40% of the boys and 60% of the girls passed. Find the percentage of students who did not pass the exam?**

- a) 45%
- b) 48.57%
- c) 46.37%
- d) 47.12%

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**2. The side of a square increases by  $x\%$  and area increases by 16.64%. If original side was 20 cm, find the new side.**

- a) 21 cm
- b) 22.4 cm
- c) 21.6 cm
- d) none

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**3. A man purchased oranges at 5 for Rs14 and sold them at 7 for Rs20. Find approximate % profit/loss.**

- a) 2% profit
- b) 4% profit
- c) 7% profit
- d) 6% profit

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**4. There are 372 coins of 20p and 25p totaling Rs84. Find number of 20p coins.**

- a) 180
- b) 200
- c) 192
- d) 160

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**5. A sum becomes 600 in 5 yrs and 720 in 8 yrs at simple interest. Find principal.**

- a) 400
- b) 350
- c) 425
- d) 375

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**6. Ratio to mix 3:1 milk-water with 2:5 to get equal milk and water?**

- a) 3:7
- b) 5:7
- c) 4:5
- d) 6:7

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**7. A finishes work in 40 days, B in 60. They start together and B leaves 4 days before completion. Days B worked?**

- a)  $25\frac{3}{5}$
- b)  $21\frac{3}{5}$
- c) 21
- d) none

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**8. A takes 15 minutes more than B. A takes 75 min. Speed ratio A:B?**

- a) 5:4

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- b) 4:3
- c) 4:5
- d) none

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**9. A person travels 150 km. Half at 15 kmph; 2/3 remaining at 10 kmph; rest at 25 kmph. Average speed?**

- a) 15
- b) 17.5
- c) 13.33
- d) 18

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**10. A is three times as efficient as B and takes 24 days less. In how many days can they finish together?**

- a) 12
- b) 8
- c) 18
- d) 9

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**11. 25 women or 40 men complete work in 12 days working 8 hrs daily. How long for 20 men +25 women working 9 hrs daily?**

- a) 6
- b) 4.44
- c) 5
- d) none

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**12. A invested 7000, B invested 5000. After 4 months A withdrew 1000. Profit ratio after 1 year?**

- a) 19:15
- b) 21:19
- c) 17:13
- d) none

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**13. 720g costs Rs40. For 20% profit, quantity sold for Rs40?**

- a) 700
- b) 650
- c) 620
- d) 600

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**14. Money becomes 4x in 5 yrs CI. Amount after 15 yrs if initial = 6000?**

- a) 396000
- b) 320000
- c) 384000
- d) 340000

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**15. A got 9.09% more marks than B. Difference is 8. Marks of A?**

- a) 88
- b) 96
- c) 80
- d) 90

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**16. Complete series: 1, 5, 14, 39, 88, ?**

- a) 111
- b) 120
- c) 209
- d) 181

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**17. Cube 9 cm painted on all faces, cut into cubes of 3 cm. Number with two faces painted?**

- a) 18
- b) 24

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- c) 12
- d) 36

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**18. If a pencil is called rubber, rubber called knife, knife called sharpener, sharpener called paper, paper called pencil — what erases writing?**

- a) Rubber
- b) Knife
- c) Pencil
- d) none

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**19. Relationship puzzle. A man said: He is the brother of daughter of wife of my wife's mother's son. Relation with boy's father?**

- a) Brother
- b) Brother-in-law
- c) Uncle
- d) none

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**20. A man faces southwest, walks 5 m, turns left 7 m, then 45° left. Direction?**

- a) East
- b) West
- c) North
- d) South

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**21. ARGUE → VFTIZ. PLACE → ?**

- a) VXOKZ
- b) ZKOXV
- c) VXZOK
- d) KOZXV

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**22. A\$B means A sister of B. Meaning of P%Q&R@S\$T?**

- a) T daughter R
- b) S aunt P
- c) T uncle P
- d) 3 males

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**23. A is brother of sister of B's father. B's mother related to A?**

- a) Sister
- b) Sister-in-law
- c) Mother
- d) Aunt

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**24. Complete series: ZW SO ?**

- a) JF
- b) KE
- c) JE
- d) none

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**25. A man stands with back to sunset. Turns  $170^\circ$  clockwise,  $35^\circ$  anticlockwise,  $90^\circ$  anticlockwise. Direction?**

- a) South-East
- b) North-East
- c) North-West
- d) South-West

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**26. Amit is 7th from left and 19th from right. Total students?**

- a) 26
- b) 25
- c) 27
- d) 28

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**27. At which hall was The Last Battle screened?**

- a) Cinema Plaza
- b) RVP
- c) Movie Kingdom
- d) Cannot determine

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**28. Who watched movie at Top in Town?**

- a) Tarun
- b) Parth
- c) Qasim
- d) Cannot determine

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**29. How many people had same first letter for name and movie?**

- a) 4
- b) 3
- c) 2
- d) 1

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**30. Movie screened at Cinema Plaza?**

- a) Queen's Necklace
- b) The Last Battle
- c) Picture Panda
- d) none

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## **SECTION B - (2 Mark Each)**

### **Verbal Ability and Reasoning**

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**31. For the underlined part of the statement given below, choose the option that conveys the exact meaning. Once in a**

**blue moon, we meet each other.**

- a) frequently
- b) hardly ever
- c) very seldom indeed
- d) in the light of a blue moon

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**32. For the underlined part of the statement given below, choose the option that conveys the exact meaning. He has been jobless for several months, and it is his wife who keeps the pot boiling.**

- a) avoids starvation
- b) keeps the fire burning
- c) is angry
- d) keeps firing

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**33. For the underlined part of the statement given below, choose the option that conveys the exact meaning. In the end he had to eat the humble pie.**

- a) apologize humbly
- b) defend himself vigorously
- c) adopt an aggressive attitude
- d) none of these

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**34. For the underlined part of the statement given below, choose the option that conveys the exact meaning. To be a good orator, you don't have to play to the galleries.**

- a) offend audiences
- b) to be prepared
- c) appease select audience
- d) to appeal to the lower(popular) taste

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**35. Rearrange the given jumbled sentences to form a meaningful paragraph by choosing the best option. (Do not change the order of S1 and S6)**

**S1: A force exists between everybody in the universe.**

**P: Normally it is very small but when the one of the bodies is a planet, like earth, the force is considerable.**

**Q: It has been investigated by many scientists including Galileo and Newton.**

**R: Everything on or near the surface of the earth is attracted by the mass of earth.**

**S: This gravitational force depends on the mass of the bodies involved.**

**S6: The greater the mass, the greater is the earth's force of attraction on it. We can call this force of attraction gravity.**

- a) PRQS
- b) PRSQ
- c) QSRP
- d) QSPR

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**36. Rearrange the given jumbled sentences to form a meaningful paragraph by choosing the best option. (Do not change the order of S1 and S6)**

**S1: Calcutta unlike other cities kept its trams.**

**P: As a result there was a horrendous congestion.**

**Q: It was going to be the first in South Asia.**

**R: They run down the centre of the road.**

**S: To ease in, the city decided to build an underground railway line.**

**S6: The foundation stone was laid in 1972.**

- a) PRSQ
- b) PSQR
- c) SQRP
- d) RPSQ

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**37. Rearrange the given jumbled sentences to form a meaningful paragraph by choosing the best option.**

**A. As "operating systems", Latin and French outlived the strategic pre-eminence of Rome and France.**

**B. Nor will Chinese, Russian, or Indian culture soon shoulder aside the American version-high or low- whose draw is embodied by Harvard and Hollywood.**

**C. Once a standard exists, it tends to perpetuate itself-just like the dollar, for all its ups and downs will not soon yield to the Euro or the Renminbi.**

**D. By such measures, no other rival, not even China, comes close to America, whatever the country's many familiar failings and riches of the rising rest.**

a) ACBD  
b) BADC  
c) CBAD  
d) CABD

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**38. Rearrange the given jumbled sentences to form a meaningful paragraph by choosing the best option.**

**A. The oldest fossil grasses are just 70 million years old, although grass may have evolved a bit earlier than that.**

**B. There have been land plants for 465 million years, yet there were no flowers for over two-thirds of that time.**

**C. The equally-familiar grasses appeared even more recently.**

**D. Flowering plants only appeared in the middle of the dinosaur era.**

a) DCBA  
b) BCAD  
c) CADB  
d) BDCA

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**39. Out of the given choices identify the most appropriate way of writing the sentence.**

a) The achievements and accomplishments of Johnny Walker Doe are considered by many to be greater than Tommy Walker Doe.

b) The achievements and accomplishments of Johnny Walker Doe are believed by many to be greater than Tommy Walker Doe

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- c) The achievements and accomplishments of Johnny Walker Doe are considered to be greater than those of Tommy Walker Doe by many
- d) The achievements and accomplishments of Johnny Walker Doe are considered by many people to be greater than Tommy Walker Doe

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**40. Out of the given choices identify the most appropriate way of writing the sentence.**

- a) The songs written and performed by Celine Dion are more popular than Jennifer Lopez.
- b) The songs written and performed by Celine Dion are more popular than those of Jennifer Lopez
- c) The songs written and performed by Celine Dion are more popular than those of Jennifer Lopez
- d) The songs written and performed by Celine Dion are much more popular than Jennifer Lopez

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**41. Find the sum of the digits of the largest 3 digit number which will give respective remainders of 3 and 4 when divided by 5 and 6?**

- a) 16
- b) 17
- c) 18
- d) 19

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**42. Two trains start from A and B and move towards B and A respectively. Train from A starts at 1 pm and reaches B at 5 pm while the train from B starts at 12 noon to reach A at 3 pm.**

**After how much time from 12 noon will the 2 trains meet?**

- a) 2 and  $1/7$  hours
- b) 1 and  $1/7$  hours
- c) 2 and  $2/7$  hours
- d) 1 and  $2/7$  hours

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**43. A 250 m long train travelling at a certain speed crosses a bridge 125 m long in 15 seconds. In how much time will the train cross a man seated in another train 100 m long and coming from the opposite direction at 15 m/sec.?**

- a) 6.25 sec
- b) 15 sec
- c) 12 sec
- d) 20 sec

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**44. 6 years ago, the average age of a family of three people was 32 years. Today, the average age of the family including the age of an adopted child is 30 years. What is the age of the adopted child?**

- a) 20 years
- b) 9 years
- c) 6 years
- d) cannot be determined

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**45. 12 kg of a variety of sugar costing Rs.50 per kg is mixed with 20 kg of another variety costing Rs. X per kg such that when the mixture is sold for Rs. 40 per kg, there is a profit of 25%. Find the value of X**

- a) 20 kg
- b) 22.33 kg
- c) 21.75 kg
- d) 21.2 kg

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**46. Two items are sold for Rs. 9600 each, the first one at a profit of 20% and the second one at a loss of 20%. Find the profit or loss in rupee terms?**

- a) Rs.400 loss
- b) no profit, no loss
- c) Rs.800 loss

d) cannot be determined

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**47. A certain sum of money earns an interest of Rs.440 in the 2nd year at compound interest. If the rate of interest is 10% per annum, find the difference between the SI and the CI in the third year?**

- a) Rs.90
- b) Rs.84
- c) Rs.100
- d) none of these

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**48. Find the second smallest number which when divided by 4,5 and 6 gives remainders of 2,3 and 4 respectively?**

- a) 58
- b) 112
- c) 118
- d) none of these

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**49. A clock is set right at 8 pm today. It gains 2 minutes in every hour. Find the approximate time if the clock is showing a time of 8.20 am in the next morning?**

- a) 7.52 am
- b) 7.50 am
- c) 7.56 am
- d) 7.58 am

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**50. Looking at the photograph of a lady a boy said, "she is the mother of the only son-in-law of my maternal grandfather's wife". How is the boy's sister related to the lady in the photograph?**

- a) Daughter
- b) Neice
- c) Granddaughter

d) cannot be determined

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## **ANSWER KEY**

### **Section A – General Aptitude**

<b>Question No</b>	<b>Answer</b>
1	b
2	c
3	a
4	c
5	a
6	d
7	b
8	c
9	c
10	d
11	b
12	a
13	d
14	c
15	b
16	c
17	c
18	b
19	b
20	a
21	c
22	b
23	b
24	c
25	a
26	b
27	c
28	a
29	d
30	a

## **Section B – Verbal and Reasoning**

<b>Question No.</b>	<b>Answer</b>
31	c
32	a
33	a
34	d
35	d
36	d
37	c
38	d
39	c
40	c
41	d
42	a
43	a
44	c
45	d
46	c
47	b
48	c
49	c
50	c

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