Time: 3 Hours **TOTAL MARKS - 100**

INSTRUCTIONS TO THE CANDIDATES

Read these instructions carefully before attempting the questions.

1. Please ensure that you are seated alone in a room for taking the examinations. Also ensure that you are seated in a well-lit area for taking the examination.
2. Sufficient A4 Sheets, Lead Pencils (grade B, 2B, 4B, 6B and 8B), coloured pencils, eraser, ruler, sharpener and geometry box for the purpose of examination.
3. Properly functional laptop / desktop with a functional mic and web-camera (either inbuilt or externally attached).
4. Internet Speed should be minimum of 1Mbps.
5. Candidates are requested to deactivate the screensaver & antivirus software and other notification for smooth conduct of the Examination.
6. Kindly keep any one Government ID Proof such as Aadhar Card, PAN Card, Driving License or your School ID Card handy.
7. You are required to be prepared with their system (Laptop/Desktop with inbuilt of fitted webcam arrangement) for the ONLINE test and check out their systems / read manual and check out the virtual video guide to attempt DAT 2023
8. The link will be accessible at least 45 minutes before the commencement of the DAT 2023
9. The test will be conducted through an AI-proctored platform. Use Laptop/Desktop (With a front camera/webcam and microphone facility) is MUST, for easy and convenient execution of examination.
10. Once the examination starts, you will not be allowed to change the examination window program. Navigation alerts are shared on-screen every time you try to navigate from the test window.
11. Before starting the examination please go through the instruction manual and virtual video guide for attempting DAT 2023

Undergraduate DAT Paper consists of two parts with 43 Questions.

Part 1 GAT – (General Ability Test) carries a total of **40** marks. It contains **40** questions: This part assesses Communication Ability, Comprehension, Quantitative Ability, Analytical Ability, General Knowledge and Current Affairs and Data Interpretation.

Part 2 CAT – (Creative Ability Test) carries a total of **60** marks. It contains **03** questions: This part assesses Creative Thought Process, Critical Analysis, Design Problem Solving Skill, Interpretation and Expression, Visualization & Representations.

PART – A

PART A: This part assesses knowledge of Communication Ability, Comprehension, Quantitative Ability, Analytical Ability, General Knowledge and Current Affairs, Data Interpretation
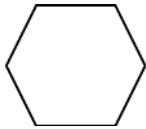**(40 questions - 40 marks @ 1 mark each)**

Q no. 1 Recently launched 'India Tote' collection, is homage to India's incredible legacy of heritage crafts and textiles by
   a) Sabyasachi Mukherjee
   b) Rohit Bal
   c) Manish Arora
   d) Anita Dongre

Q no. 2 Pentagram is: -

   a) Regular five-pointed Star Polygon
   b) Is Design Agency
   c) Word pentagram comes from the Greek word.
   d) All the above statement is correct.

Q no. 3

What is the sum of the interior angles in the figure above?
   a. 360°
   b. 540°
   c. 900°
   d. 720°

Q no. 4. Citroën is an automobile brand from
   a) USA
   b) South Korea
   c) France
   d) Germany

Q no. 5. Natya Shastra is the foundational treatise for classical dances of India is attributed to the ancient scholar?
   a) Kālidāsa
   b) Ānandavardhana
   c) Abhinavagupta
   d) Bharata Muni

Q no. 6. ALPHABET Inc is parent organization of
   a) Mc-Graw Hill Connect
   b) Google
   c) Byju's
   d) Vedantu

Q no. 7 If the statement "All students take the bus to school" is true, then which of the following must be true??
   a) If Shelena does not take the bus to school, then she is not a student.
   b) If Shelena takes the bus to school, then she is a student.
   c) If Shelena is not a student, then she does not take the bus.
   d) all of the above

Q no. 8. There are seven vocalists, four guitarists, four drummers, and two bassists in Glen Oak's music program, while there are five vocalists, eight guitarists, two drummers, and three bassists in Belmont's music program. If a band comprises one vocalist, one guitarist, one drummer, and one bassist, how many more bands can be formed in Belmont
   a.   4
   b.   b. 10
   c.   c. 16
   d.   d. 18

Q no. 9. Identify the Logo picture below

   a) SAIL
   b) Bank of India
   c) Axis Bank
   d) UltraTech

Q no. 10. Identify the Logo picture below

   a) ABB Group
   b) Airbnb
   c) Acorn
   d) Anodyne

Q no. 11 Monica sells cookies in the cafeteria every school day for a week. She sells 14 cookies on Monday, 12 cookies on Tuesday, 16 cookies on Wednesday, and 12 cookies on Thursday. Then, she calculates the mean, median, and mode of her sales. If she sells 13 cookies on Friday, then

   a). the mode will increase.
   b). the mean will stay the same.
   c). the median will stay the same.
   d). the median will decrease.

Choose the correct option which best expresses the meaning of the phrase in the sentence in Q. 12 and 13

Q no. 12. Draw a longbow: -
   a) Play down
   b) To exaggerate
   c) De-emphasize
   d) Curtail

Q no. 13. On pins and needles: -

a) Anxious and worried.
b) Dying or being killed.
c) Unsuccessful/failed attempt
d) Anodyne

Q no. 14. Famous designer Dieter Rams has been associated with world-renowned consumer product company:
a) Logitech
b) Apple
c) Braun
d) Dyson

Q no. 15. Choose the correct antonyms of the given words: -

Dunce: -

a) Stupid
b) Genius
c) Oaf
d) Mutt

Q no. 16. If the diagonal of a square measures 16 square root 2 cm, what is the area of the square?

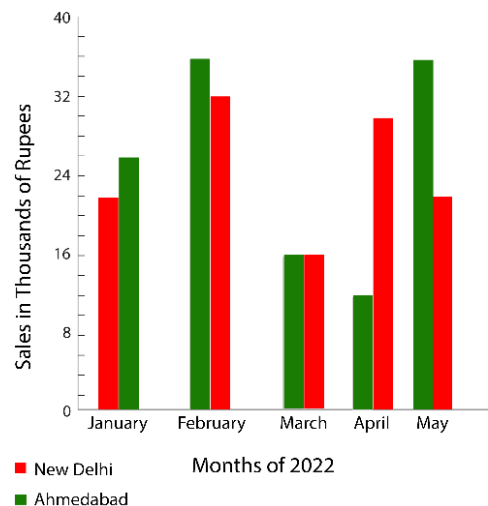a) $32\sqrt{2}^2$
b) $64\sqrt{2}^2$
c) 128 cm^2
d) 256 cm^2

Q no.17. What is the next number in the series below? 3 16 6 12 12 8_____

a). 4
b). 15
c). 20
d). 24

Q no. 18 The graph below shows the sales by month for the New Delhi and Ahmedabad branches of Super Books. From January through May, how much more money did the Ahmedabad branch gross in sales than the New Delhi branch?

Sales of the New Delhi and Ahmedabad Branches of Super Books.

a) 4,000
b) 3500
c) 4500
d) 3000

Q no. 19. How does the area of a rectangle change if both the base and the height of the original rectangle are tripled?

- a) The area is tripled.
- b) The area is six times larger.
- c) The area is nine times larger.
- d) The area remains the same.
- e) The area cannot be determined

Q no. 20. Who is the author of "Ways of Seeing"?

- a) John Berger
- b) Jakob Nielsen
- c) Michael Wolff
- d) Andy Weir

Q no. 21. Fallingwater is a house designed by the famous architect
- a) Frank Gehry
- b) Zaha Mohammad Hadid
- c) Frank Lloyd Wright
- d) Le Corbusier

Q no. 22. What is the side opposite the 90-degree angle in a right triangle?
- a) sine
- b) Hypotenuse
- c) cosine
- d) None of the above

Q no. 23. What is the full form of "UPI"?
- a) Unified Payments of India
- b) Unified Paying Interface
- c) Unified Payments Interface
- d) None of the above

Q no. 24. Dabu printing uses: -

- a) Vegetable Dyes
- b) Wax resist dyeing technique
- c) Mud resistant technique
- d) None of the above

Q no. 25. Annulus is?
- a) The region between two concentric circles of unequal radius.
- b) Two points on the circle and the points of the circle between them.
- c) The measure of the central angle that intercepts an arc, measured in degrees.
- d) A line segment whose endpoints lie on a circle.

Q no. 26. A closed shape, where none of the vertices are pointed inward:

- a) Convex polygon
- b) Quanta
- c) Concave polygon
- d) Equipotential surface

Q no. 27. When a commodity is sold for Rs.34.80. there is a loss of 25%. What is the cost price of the commodity?
a) Rs.26.10
b) Rs.43
c) Rs.43.20
d) Rs.46.40

Q no. 28. Varad draws a line that is 13 units long. If (–4,1) is one endpoint of the line, which of the following could be the other endpoint?
    a) (1,13)
    b)   (9,14)
    c) (3,7)
    d) (5,12)

Q no. 29. The expression x2 – 8x + 12 is equal to 0 when x = 2 and when x =?
    a) -12
    b) - 6
    c) - 2
    d) 6

Q no.30. Mia ran 0.60 km on Saturday, 0.75 km on Sunday, and 1.4 km on Monday. How many km did she run in total?
    a) 1by 1/5km
    b) 1by3/4km
    c) 2by ¼ km
    d) 2 by3/4km

Q no.31 Melanie compares two restaurant menus. The Scarlet Inn has two appetizers, five entrées, and four desserts. The Montgomery Garden offers three appetizers, four entrées, and three desserts. If a meal consists of an appetizer, an entrée, and a dessert, how many more meal combinations does the Scarlet Inn offer?

    a) 4
    b) 6
    c) 7
    d) 2

*Directions for questions **32 to 35**: Read the information given below and solve the questions based on it.*

On an island there are exactly seven towns: T, U, V, W, X, Y, and Z. All existing and projected roads on the island are two ways and run perfectly straight between one town and the next. All distances by road are distances from the centre of one town to the centre of another town. U is the same distance by road from T, V, and W as Y is from X and Z. The following are all of the currently existing roads and connections by road on the island.

Road 1 goes from T to V via U.
Road 2 goes from U directly to W.
The Triangle Road goes from X to Y, from Y on to
Z, and from Z back to X.

Any centre reached by two roads is an interchange between them, and there are no other interchanges between roads.

Q no.32. It is possible that the distance by road from X to Y is unequal to the distance by road from

    (a) T to U
    (b) U to V
    (c) U to W
    (d) X to Z

Q no. 33. Which of the following is a pair of towns connected by two routes by road that have no stretch of road in common?

    (a) T and U
    (b) U and V
    (c) V and W
    (d) X and Y

Q no. 34. If a projected road from T to Y were built, then the shortest distance by road from W to X would be the same as the shortest distance by road from Z to

    (a) T
    (b) U
    (c) V
    (d) X

Q no. 35. If two projected roads were built, one from T directly to Y and one from V directly to Z, then each of the following would be a complete list of the towns lying along one of the routes that a traveller going by road from U to X could select EXCEP

    (a) T, Y
    (b) T, Z
    (c) V, Z
    (d) T, Y,

Directions for questions 36 to 40: Read the information given below and solve the questions based on it.

The State and the Arts: As much as I dislike having to say so, I personally would eliminate all federal
funding of the arts. For, despite its benevolent intentions, the government does not know how to play the role of patron. Let's face it: bureaucrats cannot help but commission mediocre work, and their staying away from the world of the arts undoubtedly would improve matters, making possible something of a renaissance in music, painting, poetry and the other arts. That at least is my hope. It is necessary to distinguish between patronage and encouragement in this context: The government should encourage artistic expression by all means -- and by &quote; encourage, &quote; I mean, provide subsidies to libraries, reduce the postal rates, change the tax laws, be generous with the funding of art schools. These are the kinds of things that we may reasonably expect of a government to manage properly. This kind of involvement on the part of the state takes its roots from the traditional American notion that enlargement of learning and expansion of knowledge are beneficial to the nation. The more books the citizens read, the better for the country; the more discussion in the marketplace, the better for the republic. I believe in that; I believe that government can help. It is when the government gets involved in the business of patronage that I am not very impressed. The United States Government traditionally has been in the business of patronizing architecture, and all one has to do is to go to Washington and look around to understand the usual level of mediocrity.

------- by Lewis Lapham, & quote; Eliminate Federal Funding to the Arts & quote; in "How Society Supports the Arts: Four Views", Dialogue, No. 59, Vol. 1, 1983.

Q no. 36. The writer is against the federal funding of the arts because

a) it does not have any benevolent intentions.
b). the bureaucrats know how to select the best.
c). the bureaucrats never know how to select the best.
d). he dislikes having to say so.

Q no. 37. What the government cannot do is to

a). support the arts in general terms.
b). reduce the postal rates and change the tax laws.
c). distinguish between encouragement and dictating.
d). provide a lot of money for art schools.

Q no. 38. The writer notes that the traditional American notion is that

a). the government should not get involved in educational matters.
b). the people would rather read books than get involved in market place discussions.
c). the expansion of knowledge is good for the prices in the market.
d). it is a good thing that the people should be better educated.

Q no. 39. The writer thinks that,

a). there are beautiful buildings all over Washington.
b). the government should not provide financial support for the arts.
c)matters of artistic expression.
d). architecture has been paid no attention to by the government.

Q no. 40. Mark out the appropriate statement: The author

a)   is all for the continuation of the federal funding of the arts.
b)   thinks that patronage and encouragement are one and the same.
c)   would eliminate all bureaucracy out of his intense dislike for the bureaucrats.
d)   believes that the government can be of some help in supporting the arts.

PART – B

PART B: This part assesses knowledge of Creative Thought Process, Critical Analysis, Design Problem Solving Skill, Interpretation and Expression, Visualization & Representation

(# 02 questions - 30 marks @ 15mark each
 # 01 questions - 30 marks @ 30 mark each)

Q no. 41. Draw one-point perspective of an interior of city bus, from the exact centre of the last row of seats. on A4 size paper (Only line drawing using pencil, without rendering) ………   **15 marks**
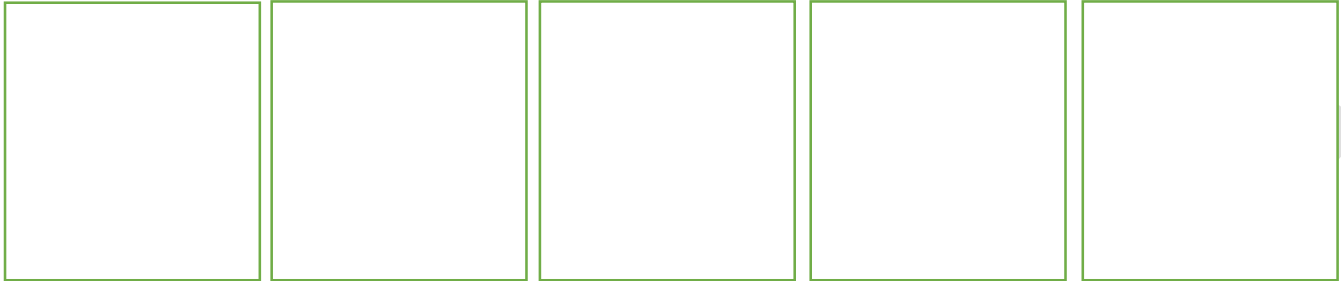
Space for Illustration:

Concept Note:

Q no. 42. There was a temple in the garden…………………………………………………………………. he died instantly.

Complete the story in 100 words using the given beginning & the end. Depict the same in five frames (only line drawing using pencil)

Size of the frame- 4"/4". …………30 marks

100 Words Story-

_____

_____

_____

_____

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_____

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_____

_____

43. Choose any one object/product from your daily use and illustrate it with future technological innovation that will emerge around the year 2050, write a concept note and specification for the same. (using pencil colours only) …………………….15 marks

Space for Illustration: