

**UID- Design Aptitude Test (DAT) 2023 (ONLINE)**

UNDERGRADUATE

**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 or 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

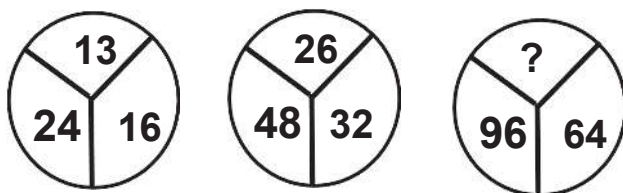
This part assesses knowledge of Communication Ability, Comprehension, Quantitative Ability, Analytical Ability, General Knowledge and Current Affairs, Data Interpretation

**(40 questions - 40 marks @ 1 mark each)**

Q.1. Among 5 student B is heavier than Z and L. P is lighter than Z and C. L is not the lightest. Who among them is the lightest?

- A) L
- B) P
- C) Z
- D) None of the above

Q.2. Find the missing number:



- A) 160
- B) 25
- C) 32
- D) 52

Q.3. What is the maximum number of passport sized photographs of size 3.5 cm x 4.5 cm that can be printed on an A5 size sheet leaving/excluding one-centimeter margin all around the A5 Sheet?

- A) 19
- B) 22
- C) 18
- D) 12

**(Q. 4 to Q.8) Study the following table and answer the questions.**

Classification of 100 Students Based on the Marks Obtained by them in Physics and Chemistry in an Examination.

Subject	Marks out of 50				
	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Average (Aggregate)	7	27	73	87	100

Q.4. What is the difference between the number of students passed with 30 as cut-off marks in Chemistry and those passed with 30 as cut-off marks in aggregate?

- A) 3
- B) 4
- C) 5
- D) 6

Q.5. If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

- A) 27
- B) 32
- C) 34
- D) 41

Q.6. The percentage of students getting at least 60% marks in Chemistry over those getting at least 40% marks in aggregate, is approximately?

- A) 21%
- B) 27%
- C) 29%
- D) 31%

Q.7. The number of students scoring less than 40% marks in aggregate is?

- A) 13
- B) 17
- C) 25
- D) 27

Q.8. If it is known that at least 23 students were eligible for a Symposium on Chemistry, then the minimum qualifying marks in Chemistry for eligibility to Symposium would lie in the range?

- A) 30-45
- B) 50-40
- C) 20-30
- D) Below 15

Q.9. If  $a$ ,  $b$  and  $c$  are the sides of a triangle and  $a^2 + b^2 + c^2 = ab + bc + ca$ , then the triangle is?

- A) Equilateral
- B) Isosceles
- C) Right angled
- D) Obtuse angled

Q.10. Which is known as twin cities?

- A) Hyderabad and Secunderabad
- B) Ahmedabad and Ahmednagar
- C) Sri Ganganagar and Gangapur city
- D) Nagpur and Nashik

Q.11. Film and TV institute of India is located at

- A) Pune (Maharashtra)
- B) Nagpur (Maharashtra)
- C) Perambur (Tamilnadu)
- D) Rajkot (Gujarat)

Q.12. Who has been named the Indian Film Personality of the Year at IFFI 2022?

- A) Naseeruddin Shah
- B) Sharmila Tagore
- C) Chiranjeevi
- D) Nagarjuna

Q.13. X, Y, Z and W represent the number of edges, surfaces, vertices and diagonals of a cuboid. Find the value of  $X - Y - Z + W$ ?

- A) 1
- B) 2
- C) 3
- D) None of the above

Q.14. Kim was a born ORATOR. (Find the synonym of the following word.)

- A) addressee
- B) speaker
- C) talker
- D) chatter box

Q.15. In a functional parking lot/ area if there are 16 cars 18 bikes 22 scooters and 17 auto rickshaw, calculate many total number of wheels which are touching the ground.

- A) 195
- B) 220
- C) 200
- D) 75

Q.16. Twenty new hospitals \_\_\_\_\_ this year.

- A) built
- B) were built
- C) have been built
- D) has built

Q.17. Which actor has become the only Indian to feature on a British magazine's list of 50 greatest actors?

- A) Akshay Kumar
- B) Salman Khan
- C) Shah Rukh Khan
- D) Ranbir Kapoor

Q.18. Benjamin Netanyahu was sworn in as the new Prime Minister of which country?

- A) India
- B) Australia
- C) Israel
- D) Nepal

Q.19. Which of the following musical instruments is played by Amjad Ali Khan?

- A) Veena
- B) Tabla
- C) Sarod
- D) Guitar

Q.20. Choose the alternative which is closely resembles the water image of the given combination/figure.

ADVANCE

- A) ADVANCE
- B) VADVANCE
- C) ADVANCE
- D) NONE

Q.21. If white is called black, black is called red, red is called yellow, yellow is called green, green is called blue, blue is called violet and violet is called orange, what would be the colour of human blood?

- A) green
- B) black
- C) red
- D) yellow

Q.22. What does this symbol mean '&'?

- A) Caret
- B) Bar
- C) Ampersand
- D) Reversed Caret

**(Q.23. to Q.27.) Comprehension**

It is wisely said that literature is the mirror image of the culture. We learn and adapt from the past and introduce it in our present as our "Culture". The ancient Scriptures or the Vedas knowledgeably describe women, who both complemented and supplemented their male partners. When it comes to talking about significant female figures of the Vedic period, four names - Ghosha, Lopamudra, Sulabha Maitreyi, and Gargi –generally come to our mind. This inspires and influences the poets, their lyrics and poetry, which also help in shaping the women characters. However, the thought process differed from one creation to another and so did the characterization of women. Some depicted Women as Symbol of strength Unity and some used them as an object of pleasure. The characters were curated and modified to suit the prerequisites of a patriarchal society. The example of these is the epic Ramayana and Mahabharata - women characters and the contrasting characteristics of Sita being submissive, sacrificing yet unacceptable in the society who had to go through all the agonies for no fault of hers, whereas Draupadi has been known for her sharp eloquence and interpretations and has been represented as the central power and the reason or the cause of the Mahabharata.

Source: Portrayal of Women in Literature – Through the Ages

Q.23. What according to the author are the characteristics of Sita?

- A) Submissive and surrendering
- B) Sacrificing and loving
- C) Submissive and sacrificing
- D) Sacrificing and tolerant

Q.24. What according to the author are the characteristics of Draupadi?

- A) Eloquent and loud
- B) Interpretative and submissive
- C) Eloquent and interpretative
- D) Interpretative and aggressive

Q.25. What is the role of ancient scriptures in shaping women characters?

- A) Scriptures inspired and influenced the poets
- B) Scriptures narrated female characters
- C) Scriptures depicted strength and unity of women
- D) Scriptures presented women as sexual objects

Q.26. What is the characteristic of women according to ancient scriptures and Vedas?

- A) They are companions to husbands
- B) They are knowledgeable
- C) They are knowledgeable and fulling partners
- D) They are docile and accommodating

Q.27. Choose the synonym of agonies

- A) Intense pain
- B) Hate
- C) Burden
- D) Despair

Q.28. Each child in family has at least 4 brothers and 3 sisters. What is the smallest number of children in the family might have?

- A) 7
- B) 8
- C) 9
- D) 10

Q.29. A train passes a standing man in 2 seconds & 50-meter-long platform in  $4\frac{1}{2}$  seconds. The speed and the length of the train are:

- A) 60km/hr., 40m
- B) 72km/hr., 40m
- C) 40km/hr., 72m
- D) 40km/hr., 40m

Q.30. How many  $\frac{1}{8}$ 's are there in  $37\frac{1}{2}$ ?

- A) 300
- B) 400
- C) 500
- D) 450

**(Q.31 to Q.34) Comprehension**

The biggest gap in the congruence between design and the future was the advent of the environmental movement. Suddenly there was a recognition that design could not take uncontaminated water, stable food supplies or clean air for granted. In 1969's "Design with Nature," one of the founding documents of late 20th-century environmental planning, the landscape architect Ian McHarg proposed vertically that "man is that uniquely conscious creature who can perceive and express. He must become the steward of the biosphere. To do this, he must design with nature." Yet prophetic utterance was not the tenor of the book or what McHarg had in mind. In practice, he wanted landscape architects to embrace territory-level planning, rather than fiddle with parks and gardens.

Source: Design for the Future when the Future is Bleak, New York Times

Q.31. Choose the synonym of congruence

- A) Harmony
- B) Discord
- C) Incongruity
- D) Compassion

Q.32. Which one of the following was the prophecy of McHarg?

- A) Man is the guardian of biosphere
- B) Man must create what he wants
- C) Man must take charge of environment and design with nature
- D) Man can think, feel and express.

Q.33. What is McHarg's message for the designers?

- A) To work with landscapes
- B) To plan parks and gardens
- C) To ignore environmental problems
- D) To embrace territory level planning

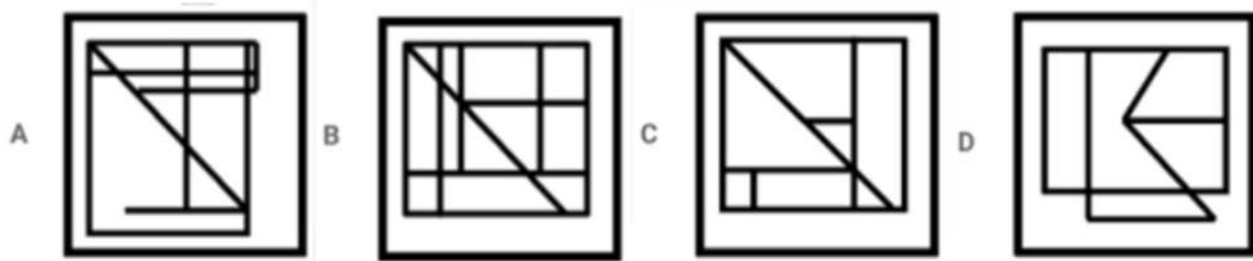
Q.34. What according to the author is the "Biggest Gap"?

- A) The gap between design and the future
- B) The gap between design and environment
- C) The gap between design and approach of the designers
- D) The gap between design and planning

Q.35. Select the option in which Figure-X is embedded. (Rotation is not allowed)



Figure-X



- A) A
- B) B
- C) C
- D) D



Q.36. How many lines of symmetry does a Pentagon have?

- A) 4
- B) 5
- C) 6
- D) 0

Q.37. Select the missing letter from the given options?

B	J	I
E	K	B
G	U	?

- A) A
- B) L
- C) Z
- D) K

Q.38. Last year it \_\_\_\_\_ for three months, but it \_\_\_\_\_ just for one week.

- A) snows / rains
- B) snowed / rained
- C) snowing / raining
- D) snow / raining

Q.39. Paras ranks 12th from the top and 25th from the bottom in his class. How many students are there in his class?

- A) 35
- B) 36
- C) 37
- D) None of the above

Q.40. Choose the correct answer from the options given for the empty box.

13	17	22
117	136	
9	8	7

- A) 154
- B) 174
- C) 124
- D) 164

## 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. Select a theme from the list given below and design a poster on the same using color pencils. Explain the concept in maximum 100 words.

- A) Human Trafficking
- B) Social Media (Boon/Curse)
- C) Fitness
- D) Biodiversity

Space for Illustration:

Concept Note:

Q no. 42. Illustrate one garment/costume (using pencil colours only) inspired by the Space theme for the Award function. Also write a concept note for the same. ....30 marks

Space for Illustration:

Concept Note:

UID Sample Papers

Q no. 43. Draw one-point perspective of Railways station on A4 size paper (Only line drawing using pencil, without rendering). .....15 marks

Space for Illustration:

Concept Note:

UID Sample Papers