Jawaharlal Nehru Engineering College, Aurangabad.

MGM UNIVERSITY

DS DASSAULT SYSTEMES

Campus Placement Preparation Booklet

Batch :- 2025

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About Company :

The journey began in 1981 with a small team of around 20 engineers, primarily supporting the aerospace industry with just one brand: CATIA. Today, the workforce has grown to more than 22,500 with a portfolio of 12 brands that serve almost every industry imaginable.

Science is embedded in our DNA. Players across the globe are accompanied as they address the world's biggest challenges using virtual universes. Whether it's 3D Design, Digital Mock-Up (DMU), or Product Lifecycle Management (PLM), it is all done - and the company is continuing to grow.

Since 2020, knowledge and know-how have been applied to better understand and evolve the organic world – in essence, extending the impact from things to life. By providing the life sciences and healthcare industry with virtual twin experiences of the human body, complex mysteries yet to be solved can be uncovered and help can be provided for people to live healthier lives.

STUDENTS ELIGIBILITY CRITERIA:

Criteria	Details
Qualification	B Tech/ BE CSE, IT & MCA
Year of Passing	202_ pass-outs
Academic Requirement	• SSC Percentage: 60% and above • HSC Percentage: 60% and above • BE/B.Tech Percentage: 60% (6.5 CGPA) and above
Backlogs	No active backlogs at the time of the recruitment process & onboarding .

Apptitude questions

1) What is the next sequence of the following?
JFMAMJJASON_?
Options:- A] P   B] D
              C] Y   D] H
Correct Answer :- Option B, Letter "D"

2) T = 7777
R = 6666
Y = 5555
N = 4444
E = ?

Options:- A] E= 3333   B]1111
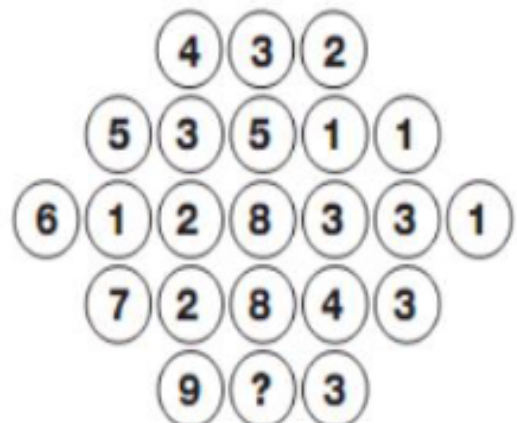   C] E= 2222   D] 0000
Correct Answer:- Option A

3) 331, 482, 551, 263, 383, 362, 284
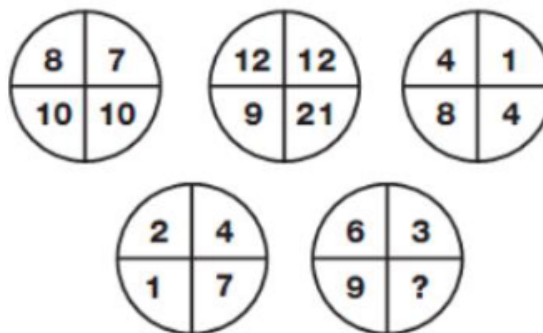
 Options:- A]263   B]383
              C]332   D]551

Correct Answer:- Option B

4) What number comes inside the circle?

Correct Answer : Option C

5) Which number replaces the question mark ?

Options:- A] 4   B] 0

      C] 5   D] 3

Correct Answer: Option D]

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6) Which letter replaces the question mark ?

9	L	6
3	S	5
11	G	9
4	J	13
3	?	8

Options:- A] R   B] P

      C] Y   D] Z

Correct Answer:- Option B

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7) In a family, there are six members A, B, C, D, E and F. A and B are a married couple, A being the male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter-in-law of F, whose husband has died. How is E related to C ?

A]Sister   B] Daughter
C] Cousin   D] Mother
Correct Answer:- Option B]

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8) All the six members of a family A, B, C, D, E and F are travelling together. B is the son of C but C is not the mother of B. A and C are a married couple. E is the brother of C. D is the daughter of A. F is the brother of B. Who is the mother of B ?

Options:- A] B   B] A

      C] F   D] D

Correct Answer:- Option B

9) A man pointing to a photograph says, 'The lady in the photograph is my nephew's maternal grandmother." How is the lady in the photograph related to the man's sister who has no other sister ?

A) Cousin   B) Sister-in-law
C) Mother   D) Mother-in-law

Correct Answer:- Option C

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10) Statements: Some papers are pens. All the pencils are pens.
Conclusions:
1 Some pens are pencils.
2 Some pens are papers.
a) Only (1) conclusion follows
b) Only (2) conclusion follows
c) (1) or (2) follows
d) Neither (1) nor (2) follows
e) Both (1) and (2) follow

Answer: Option (e)

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11) Statements: All green are blue. All blue are white.
Conclusions:
1. Some blue are green.
2. Some white are green.
3. Some green are not white.
4. All white are blue.
a) Only (1) and (2)
b) Only (1) and (3)
c) Only (1) and (4)
d) Only (2) and (4)
Answer: Option (a)

12) Arrange the words given below in a meaningful sequence.
1. Poverty 2. Population 3. Death
4. Unemployment 5. Disease

a) 2, 3, 4, 5, 1
b) 3, 4, 2, 5, 1
c) 2, 4, 1, 5, 3
d) 1, 2, 3, 4, 5

Answer: Option(c)

13) Arrange the words given below in a meaningful sequence.
1. Heel   2. Shoulder   3. Skull   4. Neck   5. Knee
6. Chest   7. Thigh   8. Stomach   9. Face   10. Hand

a) 3, 4, 7, 9, 2, 5, 8, 10, 6, 1
b) 3, 9, 4, 2, 10, 6, 8, 7, 5, 1
c) 2, 4, 7, 10, 1, 5, 8, 9, 6, 3
d) 4, 7, 10, 1, 9, 6, 2, 5, 8, 3

Answer: Option(d)

14) Statements:
I. The meteorological Department has issued a statement mentioning deficient rainfall during monsoon in many parts of the country.

II. The Government has lowered the revised estimated GDP growth from the level of earlier estimates.

a) Statement I is the cause and statement II is its effect.
b) Statement II is the cause and statement I is its effect.
c) Both the statements I and II are independent causes.
d) Both the statements I and II are effects of independent causes.
e) Both the statements I and II are effects of some common cause.

Answer: Option(d)

15) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

a) Brother
b) Nephew
c) Uncle
d) Son-in-law

Answer: Option(a)

16) Which of the following means that N is the maternal uncle of M?

a) N β P - L + E - M
b) N - Y + A β M
c) M - Y * P - N
d) N β C + F * M

Answer: Option(a)

17) 120, 99, 80, 63, 48, ?
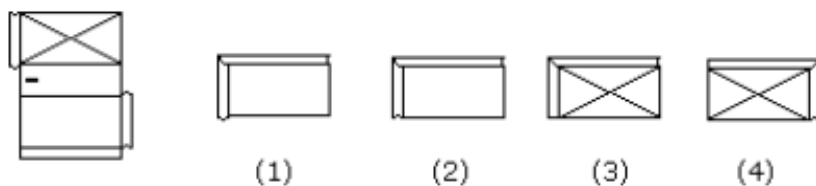
a) 35
b) 38
c) 39
d) 40

Answer: Option(a)

18) Six friends P, Q, R, S, T and U are sitting around the hexagonal table each at one corner and are facing the centre of the hexagonal. P is second to the left of U. Q is neighbour of R and S. T is second to the left of S. Which one is sitting opposite to P ?

a) R
b) Q
c) T
d) S

Answer: Option(d)

19) The figure given on the left hand side in each of the following questions is folded to form a box. Choose from the alternatives (1), (2), (3) and (4) the boxes that is similar to the box formed.

(1)   (2)   (3)   (4)

a) 1 only
b) 2 only
c) 3 only
d) 4 only
Answer: Option(a)

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20) What is the next number in the series: 2, 5, 10, 17?

Options:
A. 24
B. 25
C. 26
D. 27

Answer: C. 26 (The series follows the pattern of adding consecutive odd numbers starting

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21) If 3 workers can complete a task in 8 hours, how many hours will it take for 6 workers to
complete the same task?
Options:
A. 4
B. 6
C. 8
D. 12
Answer: B. 6 (More workers mean the task will be completed faster, so it will take half the
time if the number of workers is doubled. Hence, 8 ÷ 2 = 4 hours)

22) If a plane travels 600 miles in 2 hours, what is its speed in miles per hour (mph)?
Options:
A. 200 mph
B. 300 mph
C. 400 mph
D. 500 mph
Answer: C. 400 mph

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23) If the average of five consecutive odd numbers is 17, what is the largest of these numbers?

Options:
A. 19
B. 21
C. 23
D. 25

Answer: C. 23

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24) A rectangular garden has a length of 12 meters and a width of 8 meters. What is the area of the garden?

Options:

A. 80 square meters
B. 86 square meters
C. 96 square meters
D. 100 square meters

Answer: C. 96 square meters

25) If a car travels at a speed of 60 miles per hour (mph), how many miles will it travel in 2 hours?

Options:

A. 130 miles
B. 140 miles
C. 150 miles
D. 160 miles

Answer: B. 150 miles

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26) Look at this series: 12, 11, 13, 12, 14, 13, ... What number should come next?

A. 10
B. 16
C. 13
D. 15

Answer: In the series, the pattern alternates between subtracting 1 and adding 2:
12 (start) 12 - 1 = 11 11 + 2 = 13 13 - 1 = 12 12 + 2 = 14
Following this pattern, the next number would be 14 - 1 = 13.

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27) 13. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

A. 22
B. 26
C. 23
D. 20

Answer: In this series, the pattern appears to involve subtracting 2, then subtracting 4, then subtracting 2 again, and so on. Following this pattern, the next step would be to subtract 2 again: 24 - 2 = 22

28) 14.Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?
A. 7
B. 12
C. 10
D. 13
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Answer : In this series, the pattern alternates between adding 3 and then subtracting 2. Following this
pattern, the next number should be obtained by adding 3: 12 + 3 = 15

29) Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?
A. (1/3)
B. (1/8)
C. (2/8)
D. (1/16)

Answer: In this series, each subsequent number is obtained by dividing the previous number by 2 number by 2. Following this pattern, the next number would be: (1/4) ÷ 2 = 1/8
So, the next number in the series should be (1/8).
Therefore, the correct answer is option B. (1/8).

30) Look at this series: 80, 10, 70, 15, 60, ... What number should come next?
A. 20
B. 25
C. 30
D. 50
Answer: the next number in the series should be 20.

31) Which word does NOT belong with the others?
A. index
B. glossary
C. chapter
D. book

Answer : The word that does not belong with the others is "book" because it represents the whole entity, while the others (index, glossary, chapter) are parts or sections of a book. Therefore, the answer is D. book.

32) Which word is the odd man out?

A. trivial
B. unimportant
C. important
D. insignificant

Answer: The word that is the odd one out is "trivial" because it means something that is of little value or importance, whereas the other words (unimportant, important, insignificant) all relate to the level of importance, albeit with different nuances. Therefore, the answer is A. trivial.

All the best ....