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# Navik GD

**Memory Based Paper  
(Section I)  
27 April 2025**



## 60 Questions

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**Que. 1** Newton is used to measure

1. Speed
2. Distance
3. Force
4. Frequency

Correct Option - 3

**Que. 2** Which among following gas is inflammable?

1. N<sub>2</sub>
2. O<sub>2</sub>
3. CO<sub>2</sub>
4. H<sub>2</sub>

Correct Option - 4

**Que. 3** What is the photon energy (in eV) for an electromagnetic wave of wavelength 2 m?

1.  $1.24 \times 10^{-7}$  eV
2.  $3.8 \times 10^{-6}$  eV
3.  $6.2 \times 10^{-7}$  eV
4.  $6.2 \times 10^{-6}$  eV

Correct Option - 3

**Que. 4** The equivalent resistance of the combination of resistors, when 1 ohm and 2 ohm are connected in parallel, is \_\_\_\_\_. 

1.  $\frac{2}{3}$  ohm
2. 2 ohm
3. 3 ohm
4.  $\frac{3}{2}$  ohm

Correct Option - 1

**Que. 5** Who was famous for inventing the power battery, one of the first devices to provide a reliable source of electricity, in 1800?

1. Alessandro Volta
2. Michael Faraday
3. Luigi Galvani

4. Henri Becquerel

Correct Option - 1

**Que. 6** In which among the following orbits does the satellites circle Earth directly above the equator?

1. Sun orbit
2. Low orbit
3. No stationary orbit
4. Geostationary orbit

Correct Option - 4

**Que. 7** Which of the following statements about force of gravitation is correct?

1. It is a non-contact force
2. It can be attractive as well as repulsive
3. It is a unique force which only the earth possesses
4. It is a strong force

Correct Option - 1

**Que. 8** Which of the following enzymes in the saliva breaks down starch which is a complex molecule to give simple sugar?

1. Salivary trypsin
2. Salivary pepsin
3. Salivary amylase
4. Salivary lipase

Correct Option - 3

**Que. 9** Sound of frequency below 20 Hz known as \_\_\_\_\_.

1. Infrasonic.
2. Ultra Sonic.
3. Supersonic.
4. None of the Above.

Correct Option - 1

**Que. 10** What is the equation for Newton's second law of motion?

1.  $F = mc^2$
2.  $F = \frac{1}{2}mv^2$
3.  $F = ma$
4.  $F = AP$

Correct Option - 3

**Que. 11** If A denotes '+', B denotes '×', C denotes '−', and D denotes '÷', then what will be the value of the following expression?

126 C 6 B 22 A 63 D 9 = ?

1. 4
2. 3
3. 6
4. 1

Correct Option - 4

**Que. 12** If the word TEACHER is coded as TCJACCV and the word SURGEON is coded as PMGETSU in a certain code language, then which of the following will represent the word CONCORD in that language?

1. FPQEPQE
2. EQPEQTF
3. FPQAPME
4. EMPAQPF

Correct Option - 3

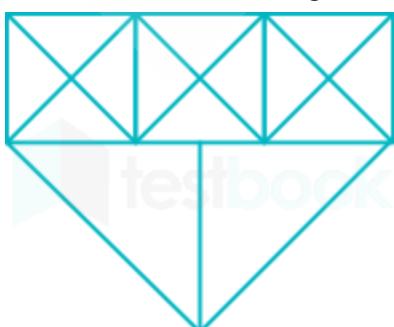
**Que. 13** In the question, a series is given, with one term missing. Choose the correct alternative from the given ones that will complete the series.

FI, HM, JQ, ?, NY

1. MV
2. LU
3. MU
4. LW

Correct Option - 2

**Que. 14** Find the number of triangles in the given figure.



1. 29

2. 31
3. 27
4. 33

Correct Option - 2

**Que. 15** Select the option that will make the second pair analogous to the first pair.

Bastar : Chhattisgarh :: Itarsi : ?

1. Arunachal Pradesh
2. Uttar Pradesh
3. Uttarakhand
4. Madhya Pradesh

Correct Option - 4

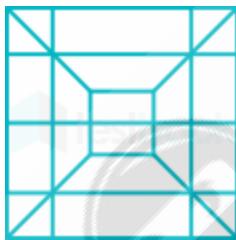
**Que. 16** Which two signs should be interchanged to make the following equation correct?

$$33 + 4 \times 21 \div 3 - 17 = 122$$

1.  $\div$  and  $-$
2.  $+$  and  $-$
3.  $+$  and  $\times$
4.  $-$  and  $\times$

Correct Option - 3

**Que. 17** Count the number of squares in the given figure.



1. 5
2. 7
3. 9
4. 13

Correct Option - 4

**Que. 18** A is the husband of B. C has only one son D, who is the brother of E. B is the daughter-in-law of F, whose wife has died. C is the son of F. How many male members are there in the family?

1. 5
2. 2

3. 4
4. 3

Correct Option - 3

**Que. 19** Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.

L R \_ D L R M \_ L \_ M D \_ \_ \_ D

1. LRDMRD
2. MDRLRM
3. MDRMLR
4. LDRMRD

Correct Option - 2

**Que. 20** Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

LEMON : MDOMQ :: AXILE : ?

1. BWLJH
2. BVJKH
3. BVKJH
4. BWKJH

Correct Option - 4

**Que. 21** There are some benches in a class room having the number of rows 4 more than the number of columns. If each bench is seated with 5 students, there are two seats vacant in a class of 158 students. The number of rows is:

1. 4
2. 8
3. 6
4. 10

Correct Option - 2

**Que. 22** What is the unit's digit in  $3^{66} \times 6^{41} \times 7^{53}$

1. 8
2. 3
3. 6
4. 7

Correct Option - 1

**Que. 23** If  $x + y + z = 11$ ,  $xy + yz + zx = -6$ , and  $x^3 + y^3 + z^3 = 1604$ , then the value of  $xyz$  is:

1. 5
2. 4
3. 1
4. 25

Correct Option - 4

**Que. 24** If  $x = 255$ ,  $y = 256$ ,  $z = 257$ , then find the value of  $x^3 + y^3 + z^3 - 3xyz$

1. 1378
2. 2304
3. 1876
4. 1984

Correct Option - 2

**Que. 25** The average of 10 numbers is 26.5. If the average of first 6 numbers is 25 and the average of last 6 numbers is 29, then what is the average of the 5th and the 6th number?

1. 29.2
2. 29
3. 29.5
4. 28

Correct Option - 3

**Que. 26** The mean of median and range of the given data is:

32, 41, 28, 54, 35, 26, 23, 33, 38, 40

1. 53.2
2. 25.3
3. 32.5
4. 35.2

Correct Option - 3

**Que. 27** A sum of Rs. 8,400 amounts to Rs. 11,046 at 8.75% p.a. simple interest in a certain time. What will be the simple interest (in Rs.) on a sum of Rs. 10,800 at the same rate for the same time?

1. 3,402
2. 3,204
3. 3,024
4. 3,420

Correct Option - 1

**Que. 28** If PAB is a secant of a circle and PT is a tangent drawn from an exterior point. If PA = 3 cm and PT = 6 cm, then AB is

1. 15 cm
2. 9 cm
3. 12 cm
4. 6 cm

Correct Option - 2

**Que. 29** MA and MB are two tangents from a point M outside the circle with centre O. If A and B are points on the circle such that  $\angle AMB = 110^\circ$ , then find the value of  $\angle OAB$ ?

1.  $58^\circ$
2.  $55^\circ$
3.  $60^\circ$
4.  $50^\circ$

Correct Option - 2

**Que. 30** The breadth of a rectangular floor is  $\frac{3}{5}$  of its length. If the area of the floor is  $60 \text{ metre}^2$ , then what is the difference between the length and breadth of the floor?

1. 6 m
2. 7.5 m
3. 5 m
4. 4 m

Correct Option - 4

**Que. 31** A circular grass field of diameter 42 m is surrounded by a path of width 3.5 m. What will be the cost of graveling the path at the rate ₹ 4 square meter?

1. ₹ 1001
2. ₹ 2002
3. ₹ 500.5
4. ₹ 2012

Correct Option - 2

**Que. 32** A cylindrical tank having an internal radius 14 m, contains water up to the depth of 10 m. What is the total area of the wet surface?

(Use  $\pi = \frac{22}{7}$ .)

1.  $1496 \text{ m}^2$
2.  $1492 \text{ m}^2$
3.  $1494 \text{ m}^2$
4.  $1498 \text{ m}^2$

Correct Option - 1

**Que. 33** The square of 28 is divided by the largest number that can exactly divide both 42 and 56. What is the result?

1. 28
2. 14
3. 42
4. 56

Correct Option - 4

**Que. 34** Three bells commence tolling together and toll at intervals of 8 sec, 10 sec and 12 sec respectively. In 30 min, how many times do they toll together?

1. 14
2. 17
3. 16
4. 18

Correct Option - 3

**Que. 35** When 732 is divided by a positive integer x, the remainder is 12. How many values of x are there?

1. 18
2. 16
3. 19
4. 20

Correct Option - 4

**Que. 36** Find the value of:  $12\frac{1}{2} \div 8\frac{1}{3} \times 4 + 6$

1. 11
2. 12
3. 13
4. 10

Correct Option - 2

**Que. 37** A shopkeeper earns a profit of 12% on selling a book at 10% discount on printed price. The ratio of the cost price to printed price of the book is:

1. 45 : 56
2. 50 : 62
3. 90 : 97
4. 99 : 125

Correct Option - 1

**Que. 38** A's salary is first increased by 20% and then decreased by 25%. The result is same as B's salary increased by 25% and then decreased by 20%. Find the ratio of B's salary to A's salary?

1. 10 : 9
2. 1 : 2
3. 2 : 1
4. 9 : 10

Correct Option - 4

**Que. 39** A discount of 20% in the price of rice enables X to buy 5 kg more rice for ₹100. What is the reduced price of rice per kg?

1. ₹ 3
2. ₹ 2
3. ₹ 1
4. ₹ 4

Correct Option - 4

**Que. 40** The weights of Sanjana and Sakshi are in the ratio 11 : 9. If Sakshi's weight is 12 kg less than Sanjana's weight, find their total weight.

1. 96 kg
2. 108 kg
3. 120 kg
4. 132 kg

Correct Option - 3

**Que. 41** Directions: Choose the one word closest to the meaning for the following sentences from the alternatives given below each sentences :

Habitually silent or talking little

1. servile
2. unequivocal
3. taciturn

4. synoptic

Correct Option - 3

**Que. 42** Fill in the blanks with appropriate prepositions.

I prefer death \_\_\_\_\_ dishonor.

1. than
2. from
3. to
4. in

Correct Option - 3

**Que. 43** The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The monkeys swinged / on the branches and / jumped over the compound wall.

1. No error
2. The monkeys swinged
3. jumped over the compound wall
4. on the branches and

Correct Option - 2

**Que. 44** Choose the most suitable conjunction to complete the given sentence:

He found his wallet \_\_\_\_ he had left it.

1. while
2. when
3. where
4. wither

Correct Option - 3

**Que. 45** **Direction:** Choose the response, whichever is the most appropriate expression and mark your response in your answer sheet accordingly.

Fire in the belly

1. Fear and hatred
2. Powerful ambition
3. Love and affection
4. Lethargy and indifference

Correct Option - 2

**Que. 46** **Directions:** Select the most appropriate antonym of the given word.

COMMENCE

1. Conduce
2. Confuse
3. Conceal
4. Conclude

Correct Option - 4

**Que. 47** **Direction:** In the following question, out of the four alternatives, select the alternative which will improve the underlined part of the sentence. In case no improvement is needed, select "No Improvement".

I have just taken my food and it tasted delicious.

1. had just taken
2. have just had
3. have been having
4. No improvement

Correct Option - 2

**Que. 48** **Direction:** The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options.

The Committee agreed / that small businesses / has been adversely affected / by COVID19.

1. that small businesses
2. has been adversely affected
3. by COVID-19
4. The Committee agreed

Correct Option - 2

**Que. 49** In the following question, a sentence is given in Direct/Indirect speech. Out of the four alternatives choose the one which best expresses the sentence in Indirect/Direct Speech.

The battered driver exclaimed, " Will some of you help me?"

1. The battered driver exclaimed when some of you will help him.
2. The battered driver exclaimed whether some of them would help him.
3. The battered driver said will you help me.
4. will none of you help the battered driver.

Correct Option - 2

Choose the correct form of the noun for the given sentence:

**Que. 50** Many people face a lot of \_\_\_\_\_ when they have to educate their children.

1. hardness
2. hardships
3. hardiness
4. hardly

Correct Option - 2

**Que. 51** Choose the appropriate conjunction for the given sentence:

I faced difficulties \_\_\_\_\_ I was successful.

1. but
2. and
3. which
4. that

Correct Option - 1

**Que. 52** Choose the correct synonym (word with similar meaning) of the head word from the four options given and mark the right option.

Cajole

1. Coax
2. Stop
3. Harass
4. Interfere

Correct Option - 1

**Que. 53** Directions: Select the correct active form of the given sentence.

The ticket will be sent to you by the airlines on e-mail.

1. The airlines will be sending you the ticket by e-mail.
2. The airlines had sent you the ticket by e-mail.
3. The airlines will send you the ticket by e-mail.
4. The airlines will have sent you the ticket by e-mail.

Correct Option - 3

**Que. 54** Direction: Read the following passage carefully and answer the questions given below it. Certain words are printed in bold to help you to locate them while answering some of the questions.

The Sun, while going on his daily rounds saw a princess and fell in love with her. Whenever he could slip away from the heavens he would take human form and go down to the princess to spend some time with her. The princess too became quite fond of him and would wait for him to come. One day the Sun decided to send her a blood-red ruby as a token of his love for her. He put the gem in a silk bag, and calling a crow that was flying past, asked the bird to deliver the gem to his beloved. Crows had milky white feathers in those days and it was

considered auspicious if a crow came anywhere near you. So the Sun was pleased that he had found a crow to deliver the gem. As the crow sped through the sky with the silken bag, the aroma of food lured him. Looking down, the crow saw that a wedding feast was in progress, and immediately it was distracted from its mission. Food was one thing it could never resist.

Alighting on a tree nearby, it hung the bag on a twig and went off to find some food. While the crow was feasting, a merchant passing by saw the bag on the tree, and knocked it down with a pole. When he opened the bag and saw its contents he almost swooned in joy. Quickly pocketing the ruby, he filled the bag with dry cow dung that was lying there, and then deftly returned the bag to the branch. It was all done so quickly that the crow missed all the action. After having its fill, it flew up to the tree, and picking up the bag and took it to the person it was intended for. The princess was in the garden. When the crow gave her bag, she took it eagerly, knowing that it was from the Sun. But when she saw its contents she reeled back in shock and anger. Believing that it was the Sun's way to telling her that he did not care for her, she flung the bag away, rushed to her palace, and never came out again. When the Sun learnt of what had happened he was furious. So great was his anger that when he turned his scorching gaze on the crow, its feathers were burned black. Its feathers have been black ever since. The ruby did not stay with the man who stole it. it fell out of his pocket and rolled into a deep pit. Men have been trying to dig it ever since. Many precious stones have been found in the process, making Myanmar one of the richest sources of rubies and sapphires, but the ruby that the Sun sent to the princess is yet to be found.

The synonym of the word 'swooned' is:

1. fainted
2. strengthen
3. auspicious
4. rise

Correct Option - 1

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**Que. 55** Why did the Sun send gift for the princess along with the crow?

1. The princess loved crows
2. The crow was the only bird available at the time
3. The crow was considered to be an auspicious bird
4. The crow knew where the princess lived

Correct Option - 3

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**Que. 56** Which is the national animal of Egypt?

1. Deer
2. Steppe Eagle
3. Lion
4. Peacock

Correct Option - 2

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**Que. 57** Who among the following is the youngest player to defeat World Chess Champion Magnus Carlsen?

1. R. Praggnananda
2. Vipul Praneeth

3. D. Gukesh
4. Arjun Eriaceae

Correct Option - 3

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**Que. 58** Who was the first Indian to win the Nobel Prize?

1. Rabindranath Tagore
2. Mahatma Gandhi
3. Amartya Sen
4. C. V. Raman

Correct Option - 1

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**Que. 59** The title of "Sikander-e-Sani" was assumed by which among the following sultan of Delhi ?

1. Alam shah
2. Balban
3. Qutubuddin Aibak
4. Alauddin Khalji

Correct Option - 4

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**Que. 60** Which of the following is NOT a weight division in boxing?

1. Heavy weight
2. Middle weight
3. Under weight
4. Light weight

Correct Option - 3

