

**Navik DB**

**Memory Based Paper  
20 March 2021 (Section I)**

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## 60 Questions

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**Que. 1** The present ratio of ages of P and Q is 6 : 7. 12 years ago, this ratio was 3 : 4. Find the sum of total of their present ages.

1. 48 years
2. 52 years
3. 24 years
4. 28 years

Correct Option - 2

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**Que. 2** If there is a loss of 30% after selling a pen for Rs. 56, then in what price will it be sold to get a profit of 20% ?

1. Rs. 96
2. Rs. 84
3. Rs. 72
4. Rs. 48

Correct Option - 1

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**Que. 3** The speed of a boat in still water is 18 km/hr. If the speed of stream is 4 km/hr, then how much time will it take to cover a distance of 44 km in downstream?

1. 4 hours
2. 5 hours
3. 3 hours
4. 2 hours

Correct Option - 4

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**Que. 4** Radha borrows Rs. 20000 from a bank on simple interest, find the rate of interest if she receives Rs. 3600 as interest after 2 years.

1. 18%
2. 9%
3. 27%
4. 4.5%

Correct Option - 2

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**Que. 5** A man spends 25% of his income on food, 20% of his income on rent, and 15% of his income on traveling. After this, the remaining income of a man is Rs. 6000. Find the total income of man.

1. Rs. 15000
2. Rs 12000
3. Rs 1500
4. Rs 25000

Correct Option - 1

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**Que. 6** A train passes a platform in 42 seconds and a man standing on the platform in 25 seconds. If the speed of the train is 72 km/hr, what is the length of the platform?

1. 300 m
2. 270 m
3. 340 m
4. 370 m

Correct Option - 3

**Que. 7** A completes a work in 12 days and B completes the same work in 30 days. In many days will they complete the work together?

1. 10 days
2. 8 days
3.  $40/7$  days
4.  $60/7$  days

Correct Option - 4

**Que. 8** What is the ratio of the LCM to HCF of the 76, 114 and 304.

1. 24
2. 42
3. 48
4. 54

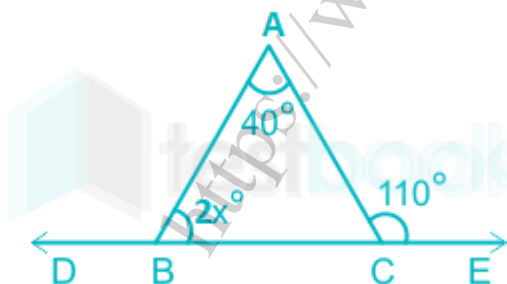
Correct Option - 1

**Que. 9** If the mean and median of a statistical data be 5 and 6 respectively, then the value of mode is

1. 11
2. 9
3. 8
4. None of the above

Correct Option - 3

**Que. 10** Find the value of x.



1.  $70^\circ$
2.  $55^\circ$
3.  $45^\circ$
4.  $35^\circ$

Correct Option - 4

**Que. 11** If  $a : b = 5 : 2$ ,  $b : c = 8 : 9$  and  $c : d = 9 : 4$ , then find the value of  $a : d$ .

1. 1 : 5
2. 5 : 1

3. 2 : 3
4. 3 : 1

Correct Option - 2

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**Que. 12** The average runs scored by a batsman in eleven matches is 73 runs. After playing the twelfth match his new average got reduced by 5 runs. Find the runs scored by the batsman in the twelfth match.

1. 13
2. 18
3. 23
4. 26

Correct Option - 1

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**Que. 13** What is the simplified value of  $(\cos A + \sin A)(\cot A + \tan A)$ ?

1.  $\sec A + \operatorname{cosec} A$
2.  $\sin A + \cos A$
3.  $\tan A + \cot A$
4.  $\sec A - \operatorname{cosec} A$

Correct Option - 1

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**Que. 14** P and Q together earn Rs. 250 per day. Q and R together earn 220 per day. P, Q, and R when working together earn Rs 350 per day. How much does Q earn daily?

1. Rs. 120
2. Rs. 240
3. Rs. 180
4. Rs. 200

Correct Option - 1

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**Que. 15** The diagonal of a rectangular field is 10 metre and the perimeter is 28 metre, then what will be the area of the field?

1.  $96 \text{ m}^2$
2.  $28 \text{ m}^2$
3.  $48 \text{ m}^2$
4.  $72 \text{ m}^2$

Correct Option - 3

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**Que. 16** Find the volume of a sphere of diameter 21 cm.

1.  $4,637 \text{ cm}^3$
2.  $4,481 \text{ cm}^3$
3.  $4,851 \text{ cm}^3$
4.  $4,257 \text{ cm}^3$

Correct Option - 3

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**Que. 17** Rs. 1,800 is shared between A, B, and C. If A gets thrice of B, and B gets twice of C, then what is the share of A?

1. Rs. 1400
2. Rs. 1200
3. Rs. 1300
4. None of these

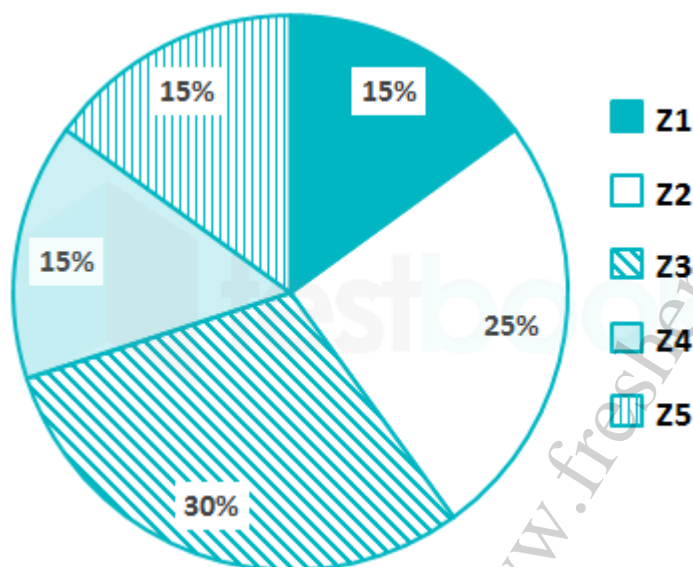
Correct Option - 2

**Que. 18** If sum of Rs. 3000 lent on compound interest becomes Rs.3993 in 3 years. Find the rate of interest.

1. 10%
2. 12%
3. 13%
4. 7%

Correct Option - 1

**Que. 19** The pie chart given below shows the number of tigers in different zoos. The number of tigers in a particular zoo are shown as a percentage of total number of tiger in all the zoos together.

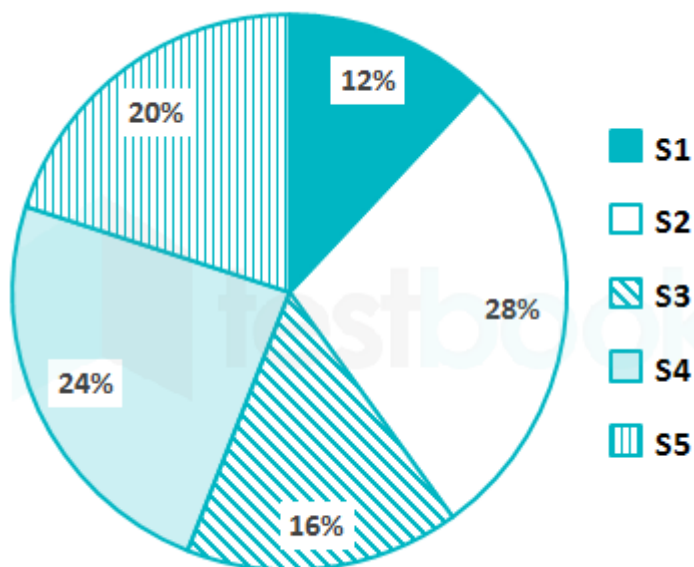


What is the difference in central angle of the sectors for Z1 and Z3?

1.  $18^\circ$
2.  $72^\circ$
3.  $36^\circ$
4.  $54^\circ$

Correct Option - 4

**Que. 20** The pie chart given below shows the number of female students in different subjects. The number of female students in a particular subject is shown as a percentage of a total number of female students in all the subjects together.



If the total number of female students is 3600, then what is the difference in the number of female students in subjects S1 and S4?

1. 412
2. 400
3. 432
4. 456

Correct Option - 3

**Que. 21** Change the Voice -

His colleague took him to the hospital.

1. He was taken to the hospital by his colleague.
2. He is taken to the hospital by his colleague.
3. He was being to the hospital by his colleague.
4. Hospital was taken him by his colleague.

Correct Option - 1

**Que. 22** Select the correct passive form of the given sentence.

Had I completed the assignment?

1. Has the assignment been completed by me?
2. Had the assignment completed by me?
3. Had the assignment been complete by me?
4. Had the assignment been completed by me?

Correct Option - 4

**Que. 23** Choose the option that is the indirect form of the sentence.

She said, "I will be there at 3 pm."

1. She said that she will be there at 3 pm.
2. She said to she would be there at 3 pm.
3. She said if she would be there at 3 pm.
4. She said that she would be there at 3 pm.

Correct Option - 4

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**Que. 24** **Direction: Change the Narration-**

She said to me, "Will you buy the book?"

1. She asked me whether I will buy the book.
2. She asked me whether I would buy the book.
3. She asked me that I would buy the book.
4. She asked me I would buy the book.

Correct Option - 2

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**Que. 25** **Direction: The sentence is divided into four parts. Find out which part has an error and mark it as your answer. If there is no error, mark 'No error' as your answer.**

I think a animal is (A)/ in the garage and (B)/ they all gather to see that animal. (C)/ No error (D)

1. (A)
2. (B)
3. (C)
4. (D)

Correct Option - 1

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**Que. 26** **Select the correct one-word for the given group of words.**

The scientific study of the material remains of past human life and activities.

1. Ornithology
2. Speleology
3. Archaeology
4. Epigraphy

Correct Option - 3

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**Que. 27** **Direction: Select the most appropriate meaning of the given idiom.**

Kick around

1. arrange in rows
2. hit someone angrily
3. break a queue
4. treat someone roughly or without respect.

Correct Option - 4

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**Que. 28** **Direction: Choose the correctly spelt word from the given option.**

1. Separate
2. Saparate
3. Seperate
4. Separait

Correct Option - 1

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**Que. 29** **Which one of the following alternatives has the correct spelling?**

1. Supprise
2. Surprise

3. Surprize
  4. Suprise
- Correct Option - 2

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**Que. 30** **Direction:** Select the synonym of the given word.

FANATIC

1. Enthusiast
2. Fantastic
3. Famed
4. Great

Correct Option - 1

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**Que. 31** In the following question, out of the given alternatives, choose the best one which expresses the meaning of the given word.

Prejudice

1. Advantage
2. Tolerance
3. Bias
4. Justice

Correct Option - 3

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**Que. 32** **Direction:** Choose the word MOST SIMILAR in meaning to the given word.

Barren

1. Infertile
2. Bold
3. Berserk
4. Bide

Correct Option - 1

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**Que. 33** **Direction:** Select the ANTONYM of the given word.

LAVISH

1. Laudable
2. Meagre
3. Liberal
4. Excessive

Correct Option - 2

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**Que. 34** **Direction:** Select the correct antonym of the given word.

Allure

1. Repulse
2. Attract
3. Rewind
4. Revive

Correct Option - 1



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**Que. 35** **Direction:** Select the most appropriate antonym for the given word.

Sever

1. Detach
2. Cleave
3. Bind
4. Disconnect

Correct Option - 3

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**Que. 36** Who is the author of the book, 'Citizen and Society'?

1. Manmohan Singh
2. Pranab Mukherjee
3. LK Advani
4. Hamid Ansari

Correct Option - 4

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**Que. 37** What is the name of the first Indian missile?

1. Agni
2. Sagarika
3. Prithvi
4. Dhanush

Correct Option - 3

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**Que. 38** Where is the National War Memorial of India located?

1. New Delhi
2. Kochi
3. Rajkot
4. Andaman

Correct Option - 1

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**Que. 39** Taka is the currency of which country?

1. Norway
2. Bangladesh
3. Poland
4. None

Correct Option - 2

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**Que. 40** Which of the following is the first bank of India?

1. Bank of Calcutta
2. Punjab National Bank
3. Bank of Hindustan
4. State Bank of India

Correct Option - 3

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**Que. 41**

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In March 2021, which of the following union territories announced to set up its own school education

1. Ladakh
2. Jammu and Kashmir
3. Delhi
4. Puducherry

Correct Option - 3

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**Que. 42** What is the length of longest National Waterway (NW) in India?

1. 1620 km
2. 891 km
3. 205 km
4. 82 km

Correct Option - 1

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**Que. 43** Who led the revolt of 1857 in the city of Kanpur?

1. Rani Lakshmi Bai
2. Nana Sahib
3. Begum Hazrat Mahal
4. Kunwar Singh

Correct Option - 2

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**Que. 44** Which planet has highest number of moons ?

1. Mars
2. Venus
3. Jupiter
4. Saturn

Correct Option - 4

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**Que. 45** As per the International Cricket Council (ICC), the ICC Men's T20 World Cup will be held October – November 2021 in which country?

1. UAE
2. England
3. Bangladesh
4. Australia

Correct Option - 1

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**Que. 46** Indian Army Day is celebrated on \_\_\_\_\_ of every year.

1. 15th January
2. 11th January
3. 13th January
4. 22th January

Correct Option - 1

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**Que. 47** From which of the following places Kathak dance form is originated?

1. Uttar Pradesh
2. Kerala
3. Odisha
4. Andhra Pradesh

Correct Option - 1

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**Que. 48** Which among the following Indian state has largest area and the largest population?

1. Uttar Pradesh
2. Bihar
3. West Bengal
4. Gujarat

Correct Option - 1

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**Que. 49** Shipki La is the famous mountain pass of \_\_\_\_\_.

1. Jammu and Kashmir
2. Uttarakhand
3. Sikkim
4. Himachal Pradesh

Correct Option - 4

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**Que. 50** The study of universe is known as \_\_\_\_\_.

1. Cosmology
2. Astrology
3. Seismology
4. Limnology

Correct Option - 1

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**Que. 51** A series is given in the following question. Find the term that will replace the question mark.  
0, 8, 31, 74, 142, ?

1. 240
2. 230
3. 260
4. 300

Correct Option - 1

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**Que. 52** If "FRAME" is coded as 53972 and "BOOK" is coded as 4881, then how is "MORE" coded?

1. 4381
2. 3287
3. 5872
4. 7832

Correct Option - 4

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**Que. 53** If MNOP is written as QRST in a code language, then what will ABCD be written in that code language?

1. MNOP
2. FGHI
3. EFGH
4. PQRS

Correct Option - 3

**Que. 54** A word with letters jumbled has been given. Choose the correct order of letters which are required to form the correct word.

Jumbled word: SPTRECE

1. 4, 3, 6, 5, 7, 2, 1
2. 4, 3, 2, 7, 6, 5, 1
3. 4, 7, 1, 6, 2, 5, 3
4. 4, 7, 1, 2, 5, 6, 3

Correct Option - 4

**Que. 55** Find the odd word from the given alternatives.

1. Skin
2. Eye
3. Teeth
4. Nose

Correct Option - 3

**Que. 56** In the following question, select the related word from the given alternatives.

Archeology : History :: Paleontology : ?

1. Fish
2. Rock
3. Fossil
4. Animals

Correct Option - 3

**Que. 57** Select the number which can be placed at the sign of the question mark (?) from the given alternatives.

12	4	24
21	8	84
25	8	?

1. 100
2. 125
3. 150
4. 75

Correct Option - 1

**Que. 58** Rubi runs 5 km towards south then 7 km towards east then she takes a right turn and walks 7 km. Again takes a left turn and moves 8 km. Finally she walks 8 km towards south. How far and in which direction is she from the starting point?

1. 32 km, South West

2. 21 km, North East
3. 34 km, South East
4. 25 km, South East

Correct Option - 4

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**Que. 59** Which of the following sets of letters will be placed sequentially in the given alphabetical series to complete the given letter series?

b \_dc\_efd\_f\_he\_ghi

1. cedgf
2. cdefg
3. cdegf
4. bcdef

Correct Option - 3

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**Que. 60** A cube is made by folding the given sheet. In the cube so formed, which number will be on the face opposite to the face having the number '6'?



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

Correct Option - 4