SSC MTS Previous Year Paper (Held on: 20 July 2022 Shift 2)

SSC Multi-Tasking Staff (MTS) • 2022 • 100 questions • 90 minutes • Answer key

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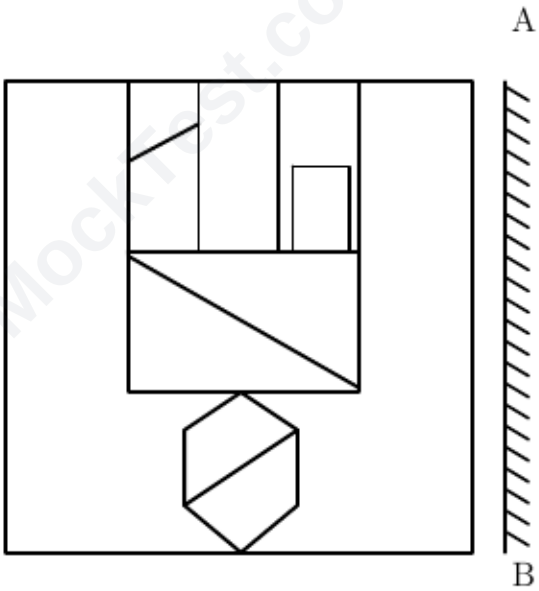
Practise under exam conditions, then review your answers after you submit.

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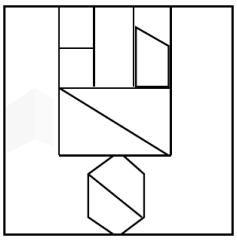
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GENERAL INTELLIGENCE & REASONING

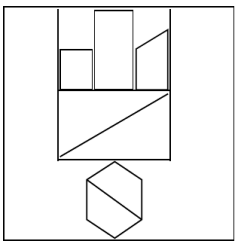
Q1. Select the correct mirror image of the given figure when the mirror is placed at the right side.



(a)

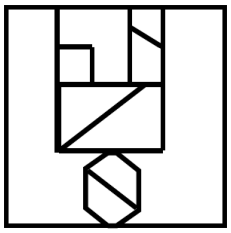


(b)

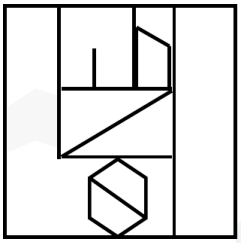


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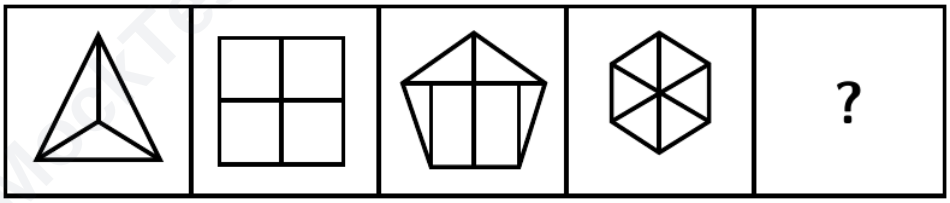
(c)



(d)



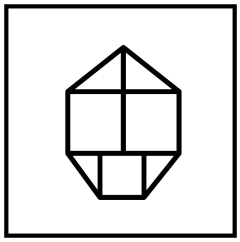
Q2. Select the figure that will come next in the following figure series.



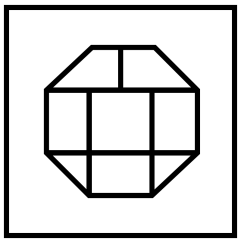
(a)



(b)

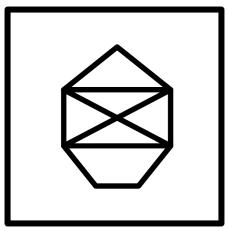


(c)



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(d)



Q3. The scores of seven batsman B1, B2, B3, B4, B5, B6 and B7 are compared. The score of B1 is greater than B7 and B3. The score of B6 is neither more nor less than the score of B4 but more than B1. B5 scored less than only one batsman. The score of B7 is not the least score.

How many batsman scored more than B4?

(a) 3
(b) 1
(c) 2
(d) 4

Q4. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. All M are Q.

II. No L is Q.

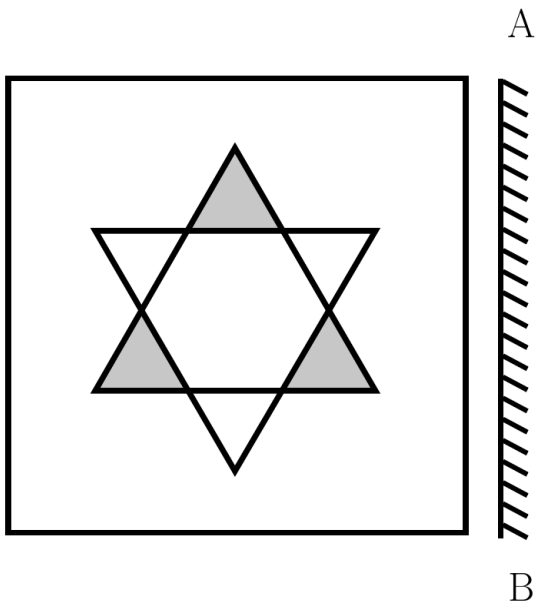
Conclusions:

I. No M is L.

II. Some L are not M.

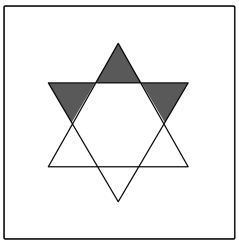
(a) Neither conclusion I nor II follows
(b) Both conclusions I and II follow
(c) Only conclusion II follows
(d) Only conclusion I follows

Q5. Select the correct mirror image of the given figure when the mirror is placed at the right side.

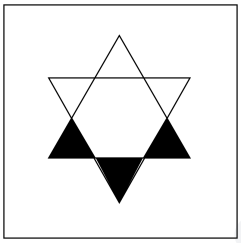


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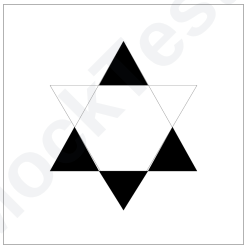
(a)



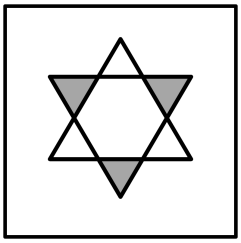
(b)



(c)



(d)



Q6. Select the option that will replace the question mark (?) in the given series.

45, 35, 27, 21, 17, ?

(a) 14
(b) 13
(c) 15
(d) 16

Q7. In a certain code language, 'Ashok is big' is written as 'pr 6 8', 'Huge people are strong' is written as 'lm pt 7 @' and 'Is big are' is written as 'pr pt 8'. What can be the possible code for 'Ashok people' in that code language?

(a) 6 pt
(b) 8 7
(c) 6 lm
(d) lm @

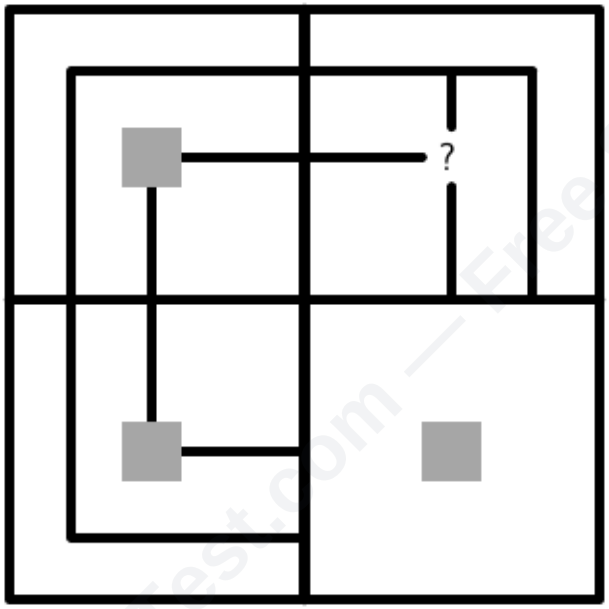
Q8. Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Cricket : Bat :: Hockey : Stick :: Rugby : ?

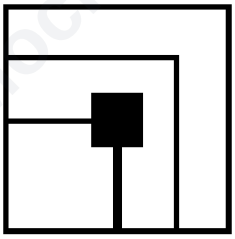
(a) Ball
(b) Goal
(c) Field
(d) Player

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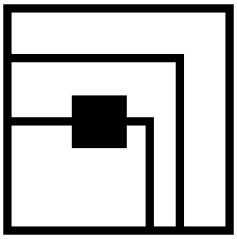
Q9. Select the figure from the options that can replace the question mark (?) and complete the pattern (rotation is NOT allowed).



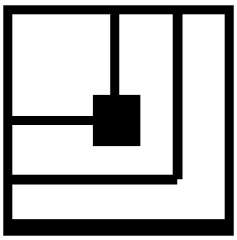
(a)



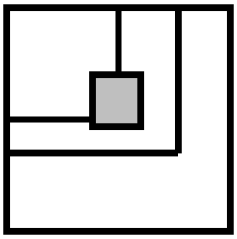
(b)



(c)



(d)



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Q10. Select the option that is related to the fifth number in the same way as the second number is related to the first number and fourth number is related to third number.

7 : 2401 :: 3 : 441 :: 5 : ?

(a) 685
(b) 880
(c) 1805
(d) 1225

Q11. In a certain code language, 'nu vu du' is written as 'Please ask Hamza', 'hu du ru' is written as 'Give water please', and 'tu vu ru' is written as 'Give Hamza Book'. What is the code for the word 'Book' in that language?

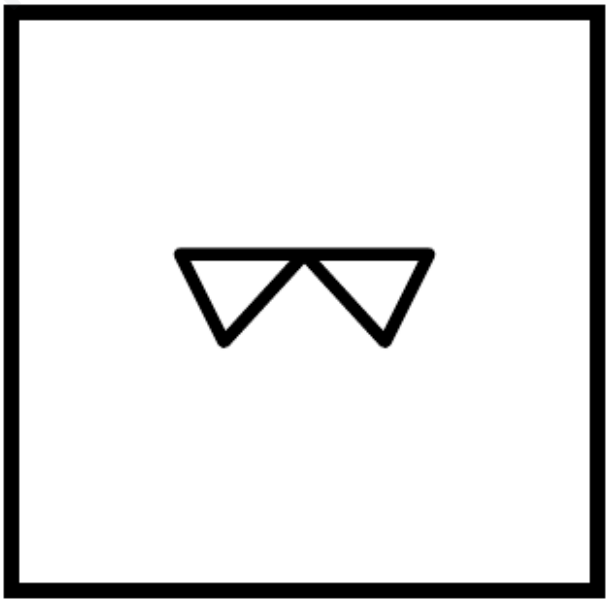
(a) ru
(b) vu
(c) tu
(d) nu

Q12. 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.

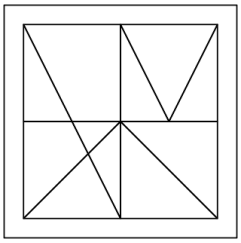
RBS : OXN :: OXA : ?

(a) LTW
(b) LUW
(c) LTV
(d) LUV

Q13. Select the option in which the given figure is embedded. (Rotation of figure not allowed.)

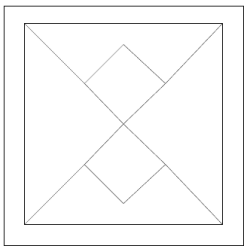


(a)

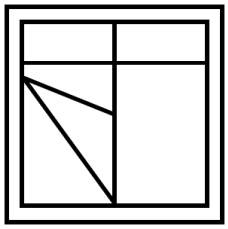


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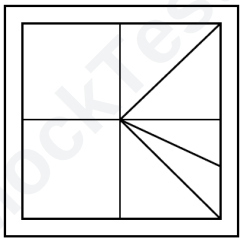
(b)



(c)



(d)



Q14. Select the option in which the numbers are related in the same way as are the numbers in the given set.

(131, 142, 153)

(a) (161, 172, 195)
(b) (119, 130, 141)
(c) (149, 160, 193)
(d) (127, 149, 160)

Q15. After interchanging the given two signs, what will be the value of the given expression?

÷ and ×

5 + 10 ÷ 8 × 2 - 20

(a) 25
(b) 30
(c) 20
(d) 35

Q16. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ACL, DFO, GIR, JLU, MOX, ?

(a) PRA
(b) NPZ
(c) OQZ
(d) ARP

Q17. In a certain code language, 'ADULT' is coded as '53' and 'LACK' is coded as '23'. How will 'HEAVEN' be coded in that language?

(a) 58
(b) 55
(c) 49
(d) 61

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Q18. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All scales are pencils.

Some pencils are erasers.

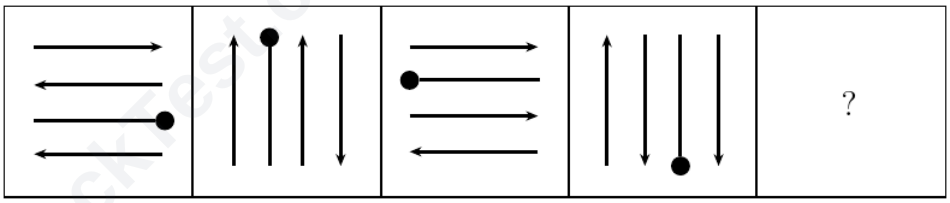
Conclusions:

I: Some scales are erasers.

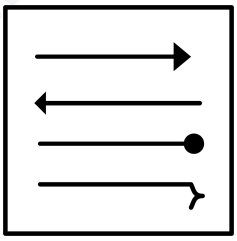
II: Some pencils are scales.

(a) Both I and II follow
(b) Only II follows
(c) Only I follows
(d) Neither I nor II follows

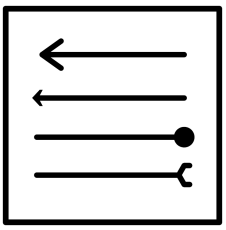
Q19. Select the figure from among the given options that can replace the question mark (?) in the following series.



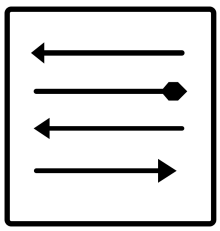
(a)



(b)

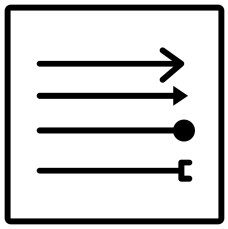


(c)



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(d)



Q20. Which two numbers should be interchanged to make the given equation correct?

81 + 31 ÷ 9 - 7 = 33

(a) 9 and 7
(b) 31 and 9
(c) 31 and 81
(d) 81 and 7

Q21. Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

SIDE22 : UKFG19 :: SETS15 : UGVU12 :: MINE11 : ?

(a) NJOF12
(b) OKPG8
(c) NJOF9
(d) OKPG14

Q22. In a certain code language, ‘sand is hot’ is written as ‘6 8 9’ and ‘grains are white sand’ is written as ‘4 3 9 2’. What is the code for ‘hot’ in that code language?

(a) 4
(b) 6 or 8
(c) 9
(d) 3

Q23. Seven girls V, K, L, P, A, C and N are sitting in a row facing the South (not necessarily in the same order). L is to the immediate left of P. K is at the rightmost end. A is the immediate neighbour of K. Only N is between A and C. Only P is between L and C. Which of the following statements is/are correct?

I. P is third to the left of A.

II. N is to the immediate right of C.

(a) Neither I nor II
(b) Only I
(c) Both I and II
(d) Only II

Q24. Select the number from the given options that can replace the question mark (?) in the following series.

482, 239, 158, 131, 122, ?

(a) 121
(b) 119
(c) 117
(d) 113

Q25. Six friends Amit, Bhuvan, Chand, David, Emily and Fedrick are sitting around a circular table facing towards the centre (not necessarily in the same order). Amit sits third to the left of David. David sits to the immediate right of Bhuvan. Bhuvan sits second to the left of Emily. Chand sits second to the right of Fedrick. Who sits second to the right of Amit?

(a) Chand
(b) Bhuvan
(c) Emily

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(d) Fedrick

NUMERICAL APTITUDE

Q26. The selling price of a plate is 140% of its cost price. What will be the profit percentage?

(a) 35%
(b) 28.57%
(c) 40%
(d) 25%

Q27. A work can be completed by N men in 15 days. 5 men leave the work after 3 days. The remaining work was completed in 18 days. What is the value of N?

(a) 18
(b) 21
(c) 15
(d) 12

Q28. The following table shows the marks obtained by Anoop in his final examination of class X in five different subjects.

Subject	Maximum marks	Marks obtained
Hindi	100	74
English	100	84
Math	150	124
Science	50	36.4
Social Science	50	47

What is the percentage of marks obtained by Anoop in all the five subjects put together?

(a) 75.8%
(b) 72.6%
(c) 81.2%
(d) 82.1%

Q29. On a certain sum, the interest is compounded annually. If the compound interest for the second year is Rs. 400 and the compound interest for the fourth year is 576, then what is the rate of interest per annum?

(a) 20%
(b) 25%
(c) 15%
(d) 44%

Q30. What is the value of (1 ÷ 2) of 10 + (1 ÷ 4) of 12?

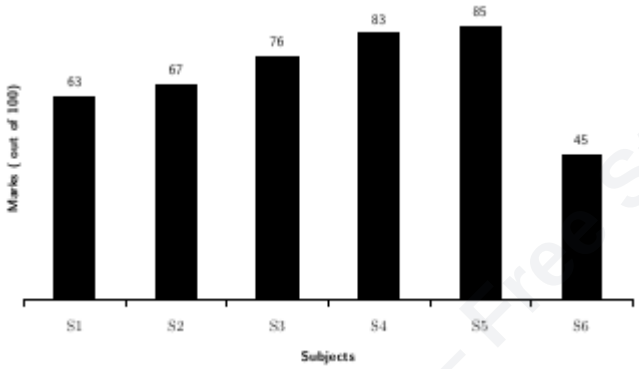
(a) -11
(b) 11
(c) -3
(d) 8

Q31. Out of a total of 9 books arranged in a particular order, the mean of the number of pages in the first 5 books is 430, the mean of the number of pages in the last 5 books is 380 and the mean of the number of pages in all the 9 books is 400. Find the number of pages in the fifth book.

(a) 450
(b) 420
(c) 430
(d) 440

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Q32. The following bar chart shows the marks obtained (out of 100) by a student in 6 different subjects in an examination.



The total marks obtained by the student in S2 and S4 taken together is what percentage more than the marks obtained by the student in S5? [Give your answer correct to 2 decimal places.]

(a) 73.34%
(b) 71.11%
(c) 76.47%
(d) 79.32%

Q33. The speed of a boat going downstream is 22 km/h. The speed of the stream is 1 km/h. How much distance in total will the boat cover going 3 hours downstream and 2 hours upstream?

(a) 112 km
(b) 94 km
(c) 106 km
(d) 102 km

Q34. S alone can do a piece of work in 14 days. T alone can do the same work in 21 days. U alone can do the same work in 28 days. Working together, in how many days will they complete the work?

(a) 84/13 days
(b) 77/13 days
(c) 71/13 days
(d) 87/13 days

Q35. If A = 2/3 ÷ 4/9, B = 6/11 × 33/12 and C = 1/3 × 9/2, then what is the value of A × B - C?

(a) 3/8
(b) 3/2
(c) 3/4
(d) 3/16

Q36. The marked price of a pen is 25% more than its cost price. The pen is sold for Rs. 220 after a discount of Rs. 30. What is the profit percentage?

(a) 10%
(b) 15%
(c) 20%
(d) 17.5%

Q37. The monthly income of a person is Rs. 15,000. He saves 20% of his income. If his income increases by 10% and his nominal savings remains the same, then what will be his new expenditure?

(a) Rs. 13,000
(b) Rs. 14,500
(c) Rs. 13,500
(d) Rs. 14,000

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Q38. The curved surface area of a cylinder, whose height is 10 cm, is 1320 cm². What is the volume of this cylinder? [Use π = 22/7]

(a) 1388 m³
(b) 0.001368 m³
(c) 0.1386 m³
(d) 0.01386 m³

Q39. The average age of 5 children is 10 years. If two more children of ages 11 years and 16 years join, then what will be the new average age?

(a) 11 years
(b) 10 years
(c) 13 years
(d) 12 years

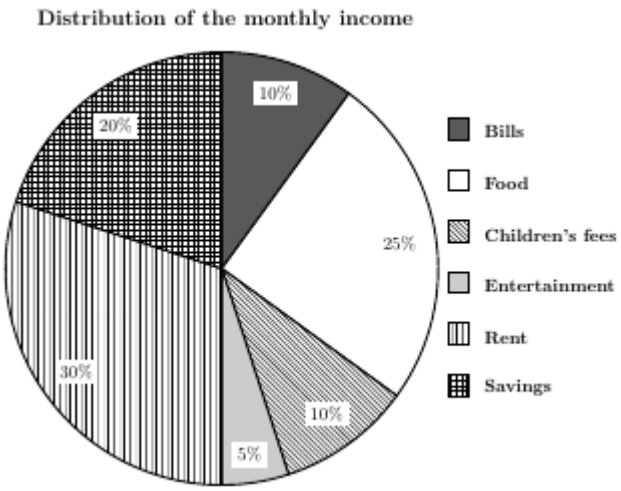
Q40. If K1 and K2 are two distinct prime numbers, then what is the product of the highest common factor and the least common multiple of K1 and K2?

(a) 1
(b) K1/K2
(c) K1 + K2
(d) K1 × K2

Q41. On a tree, there are some parrots and some pigeons in the ratio of 7 : 9, respectively. After an hour, 8 parrots fly away, and 6 pigeons and 10 sparrows come and sit on the tree. The ratio of the parrots and the pigeons on the tree now is 1 : 4. What is the ratio of the parrots and the sparrows that are now on the tree?

(a) 1 : 1
(b) 1 : 2
(c) 3 : 5
(d) 4 : 5

Q42. The following pie-chart shows the distribution of the monthly income of a man. The monthly income of the man is Rs. 84,000.



How much does he spend on children's fees in a year?

(a) Rs. 80,500
(b) Rs. 98,000
(c) Rs. 1,01,800
(d) Rs. 1,00,800

Q43. A boat takes a total of 2 hours to cover 9 km downstream and return, given that the speed of the stream is 6 km/h. What is the speed of the boat in still water?

(a) 15 km/h
(b) 8 km/h

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(c) 16 km/h
(d) 12 km/h

Q44. If the area of a parallelogram is 508 m² and its base is 40 m, then what is the corresponding height of the parallelogram?
(a) 10.8 m
(b) 18.4 m
(c) 12.7 m
(d) 22.2 m

Q45. Mr. Stark gave 30% of the money he had to Bruce. He also gave 30% of the remaining amount to each Natasha, Captain, and Vision. Half of the remaining amount he spent on miscellaneous items, and the remaining amount of Rs. 14,000 he deposited in Marvel's Fund. How much money did Mr. Stark initially have?
(a) Rs. 3,90,000
(b) Rs. 4,00,000
(c) Rs. 3,70,000
(d) Rs. 3,00,000

Q46. The average of 8 consecutive integers is 27/2. What is the average of the largest four of these integers?
(a) 16.5
(b) 15
(c) 14.5
(d) 15.5

Q47. A sum, when invested for 2 years at the rate of 10% per annum at simple interest, amounts to Rs. 4,800 on maturity. What is the sum invested?
(a) Rs. 3,600
(b) Rs. 4,000
(c) Rs. 3,500
(d) Rs. 4,200

Q48. If A : B = 3 : 4 and B : C = 1 : 5, then what is A : C?
(a) 3 : 20
(b) 3 : 4
(c) 1 : 4
(d) 3 : 5

Q49. Kisna buys a cow for Rs. 15,000. After one year, he sells it for Rs. 18,500. After one year, again he buys the same cow at Rs. 19,000 and sells it for Rs. 22,300. What is the overall profit percentage of Kisna?
(a) 18%
(b) 10%
(c) 20%
(d) 15%

Q50. A large solid cube is melted and cast into 'N' small solid spheres, each of radius 3 cm, and 'N + 2' small solid cuboids, each of dimensions 4 cm × 4 cm × 6.5 cm. If the length of each side of the large solid cube is 12 cm, then find the value of 'N'. [Use π = 22/7]
(a) 8
(b) 5
(c) 7
(d) 6

GENERAL ENGLISH

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Q51. Select the most appropriate meaning of the given idiom.

Give someone a taste of their own medicine

(a) Sell something back to someone
(b) Mistreat someone in the same way they have treated others
(c) Show someone their faults
(d) Make fun of someone

Q52. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Uttar Pradesh / accounts for about 16 per cent / of the / country population.

(a) of the
(b) country population
(c) Uttar Pradesh
(d) accounts for about 16 per cent

Q53. Select the most appropriate option to fill in the blank.

We are _____ to the true legacy of humanism, and we must never forget this.

(a) Heirs
(b) Hair
(c) Hares
(d) Here

Q54. Parts of the following sentence have been given as options. 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.

You have to understood what normal political rhetoric looks like.

(a) understood what normal
(b) political rhetoric looks like
(c) No error
(d) You have to

Q55. Select the most appropriate ANTONYM of the underlined word in the given sentence.

Community leaders were baffled by the sudden arrival of the President.

(a) flustered
(b) composed
(c) thwarted
(d) confused

Q56. Select the option that rectifies the incorrectly spelt words in the given sentence.

Our webcite is no longer avaialbale to the users.

(a) Our webcite is no longer available to the users.
(b) Our websight is no longer availbale to the users.
(c) Our website is no longer available to the users.
(d) Our website is no longer availbale to the users.

Q57. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

I has no doubts that there is a lesson which stands to be learnt from Alice's misfortune.

(a) have no doubt that there is a lesson
(b) have had no doubts that their is a lesson
(c) am having no doubts that there are a lesson
(d) No improvement required

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Q58. Select the most appropriate meaning of the underlined idiom.

He was on cloud nine after passing the test.

(a) Very depressed
(b) Very happy
(c) Not educated
(d) Busy at work

Q59. 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.

Discrimination at the basis / of gender is not / acceptable in this office.

(a) of gender is not
(b) acceptable in this office
(c) No error
(d) Discrimination at the basis

Q60. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

Viren examined careful all the possibilities of data theft.

(a) carefully examined
(b) No improvement required
(c) examine careful
(d) careful examined

Q61. Select the most appropriate option to fill in the blank.

The RTE Act bears many similarities to the US's No Child Left Behind Act, _____ school accountability, assessment standards and teacher training.

(a) startling
(b) responding
(c) including
(d) concluding

Q62. Select the most appropriate option to fill in the blank.

I think it is quite _____ that your parents still hold hands.

(a) adorable
(b) adorably
(c) adore
(d) adores

Q63. Select the most appropriate synonym of the given word.

Slim

(a) Flashy
(b) Rosy
(c) Skinny
(d) Moody

Q64. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

You are not supposed to touch these books.

(a) off touching these
(b) No improvement required
(c) on touched that
(d) to touch this

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Q65. Select the most appropriate synonym of the given word.

Sporadic

(a) Infrequent
(b) Ample
(c) Methodical
(d) Regular

Q66. Select the option that can be used as a one-word substitute for the given group of words.

A game in which no one wins

(a) Hung
(b) Lapse
(c) Null
(d) Draw

Q67. Select the most appropriate ANTONYM of the given word.

Evident

(a) Obvious
(b) Distinct
(c) Hidden
(d) Apparent

Q68. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The district woken up to a thick blanket of snow this morning as the winter entered its most bitter phase.

(a) wake up to a
(b) No improvement required
(c) awaken up to an
(d) woke up to a

Q69. Select the correctly spelt word.

(a) Beneficial
(b) Benificial
(c) Beneifical
(d) Benificail

Q70. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select ‘No improvement required’.

The community members as well as teachers are presently into the bus station.

(a) are presently on
(b) are present at
(c) No improvement required
(d) is present at

Directions

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Crosses, the village (1) ____ Vasili Andreevich lived, consisted of six houses. As soon as they had passed the blacksmith’s hut, (2) __ last in the village, they realised that the wind was much stronger than they had thought. The road could hardly be seen. The tracks left by the sledge-runners were immediately (3) __ by snow and the road was only (4) __ by the fact that it was higher than the rest of the ground. There was a swirl of snow over the fields and the line where sky and earth met could not be (5) ____.

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Q71. Select the most appropriate option to fill in blank number 1.

(a) when
(b) we’re
(c) where
(d) what

Q72. Select the most appropriate option to fill in blank number 2.

(a) an
(b) the
(c) one
(d) a

Q73. Select the most appropriate option to fill in blank number 3.

(a) exposed
(b) highlighted
(c) covered
(d) made

Q74. Select the most appropriate option to fill in blank number 4.

(a) anguished
(b) distinguished
(c) crushed
(d) extinguished

Q75. Select the most appropriate option to fill in blank number 5.

(a) seen
(b) seeing
(c) saw
(d) see

GENERAL AWARENESS

Q76. Which of the following is an example of Phylum Mammalia of Animal Kingdom?

(a) Hen
(b) Crocodile
(c) Pigeon
(d) Rat

Q77. As per the 2011 Census, arrange the following languages in descending order of Speakers strength: Marathi, Hindi, Maithili.

(a) Marathi, Hindi, Maithili
(b) Marathi, Maithili, Hindi
(c) Hindi, Maithili, Marathi
(d) Hindi, Marathi, Maithili

Q78. Which Indian actress was also one of the dancer to be honoured with the 'Padma Shri' award in 1968?

(a) Hema Malini
(b) Sridevi
(c) Vyjayanthimala
(d) Madhubala

Q79. In the northern and north-western part of India, _____ is the main food crop.

(a) Wheat
(b) Rice
(c) Maize

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(d) millet

Q80. Lavani is the dance form of which state?

(a) Gujarat
(b) Maharashtra
(c) Rajasthan
(d) Karnataka

Q81. Which team won the Indian Super League 2021-22?

(a) Jamshedpur FC
(b) ATK Mohun Bagan
(c) Hyderabad FC
(d) Kerala Blasters FC

Q82. The terminology ‘direct free kick’ is associated with which sport?

(a) Cricket
(b) Badminton
(c) Football
(d) Hockey

Q83. Who among the following was conferred the Dadasaheb Phalke Award at the 67th National Film Awards ceremony?

(a) Sanjay Dutt
(b) S Shankar
(c) Rajinikanth
(d) Amitabh Bachchan

Q84. In which of the following states of India is the Gangaur festival celebrated?

(a) Manipur
(b) Rajasthan
(c) Karnataka
(d) Kerala

Q85. In November 2021, ‘the Duare Ration’ scheme was launched in _____.

(a) Kerala
(b) Gujarat
(c) West Bengal
(d) Uttarakhand

Q86. The Mahabodhi Temple is an ancient Buddhist temple. It is situated in which state of India?

(a) Rajasthan
(b) Uttar Pradesh
(c) Kerala
(d) Bihar

Q87. Genghis Khan died in which year?

(a) 1227
(b) 1234
(c) 1222
(d) 1220

Q88. Who among the following is the author of the book ‘Selection Day’?

(a) Kiran Desai
(b) Vikram Seth
(c) Chetan Bhagat
(d) Aravind Adiga

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Q89. Who among the following freedom fighters was the first woman to become the Governor of Uttar Pradesh State?

(a) Sarojini Naidu
(b) Raikumari Amrit Kaur
(c) Sheila Dikshit
(d) Kasturba Gandhi

Q90. The rhythmic rise and fall of ocean water twice in a day is called a _____.

(a) fall
(b) tide
(c) wave
(d) current

Q91. What is the draft of legislative proposal that needs to be passed in both houses of Parliament of India to become an Act called?

(a) Article
(b) Amendment
(c) Bill
(d) Form

Q92. _____ is the market value of all final goods and services produced within a domestic territory of a country measured in a year.

(a) Gross margin
(b) Gross Domestic Product (GDP)
(c) Net National Product (NNP)
(d) Gross National Product (GNP)

Q93. Which of the following is a biotic component of ecology?

(a) Sunlight
(b) Carbonic substance
(c) Humidity
(d) Fungi

Q94. With which of the following musical instruments was Ustad Alla Rakha primarily associated?

(a) Sitar
(b) Sarod
(c) Tabla
(d) Flute

Q95. What is Brahmaputra River called in Arunachal Pradesh?

(a) Tsangpo
(b) Purab Ganga
(c) Dihang
(d) Mandakini

Q96. Which feature of the Indian Constitution refers to the existence of more than one level of government in the country?

(a) Radicalism
(b) Federalism
(c) Liberalism
(d) Secularism

Q97. Which of the following rulers did NOT belong to Maurya dynasty?

(a) Bindusara
(b) Ashoka
(c) Chandragupta
(d) Bimbisara

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Q98. Who among the following led of the famous Indigo Revolt in Bengal?

(a) Mahatma Gandhi
(b) Bishnu Charan Biswas and Digambar Biswas
(c) Vasudev Balwant Phadke
(d) Madari Pasi

Q99. With respect to occupation, secondary activities include _____.

(a) mining
(b) administration
(c) construction work
(d) fishing

Q100. Which of the following is an example of metalloid?

(a) Indium
(b) Gallium
(c) Boron
(d) Aluminium

ANSWER KEY

1 a	2 a	3 a	4 a	5 a	6 a	7 a	8 a	9 a	10 a
11 a	12 a	13 a	14 a	15 a	16 a	17 a	18 a	19 a	20 a
21 a	22 a	23 a	24 a	25 a	26 a	27 a	28 a	29 a	30 a
31 a	32 a	33 a	34 a	35 a	36 a	37 a	38 a	39 a	40 a
41 a	42 a	43 a	44 a	45 a	46 a	47 a	48 a	49 a	50 a
51 a	52 a	53 a	54 a	55 a	56 a	57 a	58 a	59 a	60 a
61 a	62 a	63 a	64 a	65 a	66 a	67 a	68 a	69 a	70 a
71 a	72 a	73 a	74 a	75 a	76 a	77 a	78 a	79 a	80 a
81 a	82 a	83 a	84 a	85 a	86 a	87 a	88 a	89 a	90 a
91 a	92 a	93 a	94 a	95 a	96 a	97 a	98 a	99 a	100 a

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