SSC MTS Previous Year Paper (Held on: 21 July 2022 Shift 3)

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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GENERAL INTELLIGENCE & REASONING

Q1. In a certain code language, 'STOPER' is written as 'XNTJJL' and 'GANOPY' is written as 'LUSIUS'. How will 'FITAND' be written in that language?

(a) KDYUSX
(b) KCYUXS
(c) KCYUSX
(d) KCYVSX

Q2. Select the number from among the given options that can replace the question mark (?) in the following series.

410, 210, 110, 60, 35, ?

(a) 23
(b) 25
(c) 20
(d) 22.5

Q3. 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.

H64 : J100 :: L144 : N196 :: U441 : ?

(a) W582
(b) W529
(c) V484
(d) V221

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. No R is a G.

II. All G's are H.

Conclusions:

I. No H is a R.

II. No G is a R.

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

Q5. Select the number from among the given options that can replace the question mark (?) in the following series

803, 844, 885, 926, ?

(a) 967
(b) 977

(c) 969
(d) 957

Q6. 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.

RS : QT :: AK : ?

(a) IC
(b) HD
(c) HC
(d) ID

Q7. In a certain code language, 'PINT' is coded as '60', and 'HOME' is coded as '42'. How will 'TONE' be coded in that language?

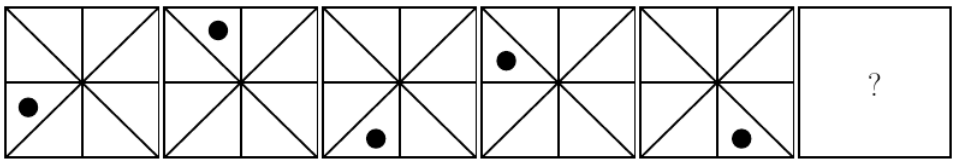
(a) 54
(b) 55
(c) 56
(d) 53

Q8. By interchanging which two signs will the given equation be correct?

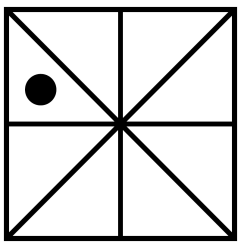
11 ÷ 77 + 253 × 23 – 800 = 58

(a) – and ÷
(b) × and ÷
(c) • and –
(d) – and ×

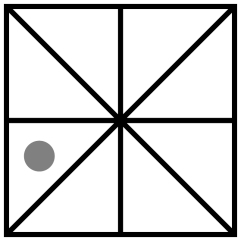
Q9. Select the figure from among the given options that can replace the question mark (?) in the following series.



(a)

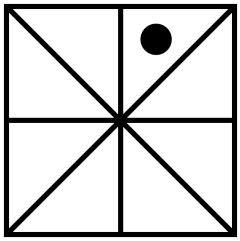


(b)

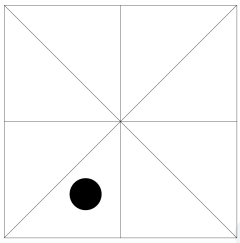


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(c)



(d)



Q10. Select the option in which the numbers shares the same relationship as that shared by the numbers in the given set.

(32, 70, 108)

(a) (44, 82, 124)
(b) (34, 72, 122)
(c) (42, 80, 118)
(d) (38, 76, 116)

Q11. Which two signs need to be interchanged to make the following equation correct?

96 − 12 ÷ 6 + 3 × 5 = 17

(a) ÷ and −
(b) ÷ and ×
(c) • and −
(d) • and ×

Q12. In a certain code language, 'GERMAN' is written as 'HFSLZM', and 'RUSTIC' is written as 'SVTSHB'. How will 'DIVIDE' be written in that language?

(a) CHUJEF
(b) CHUHCD
(c) EJWJEF
(d) EJWHCD

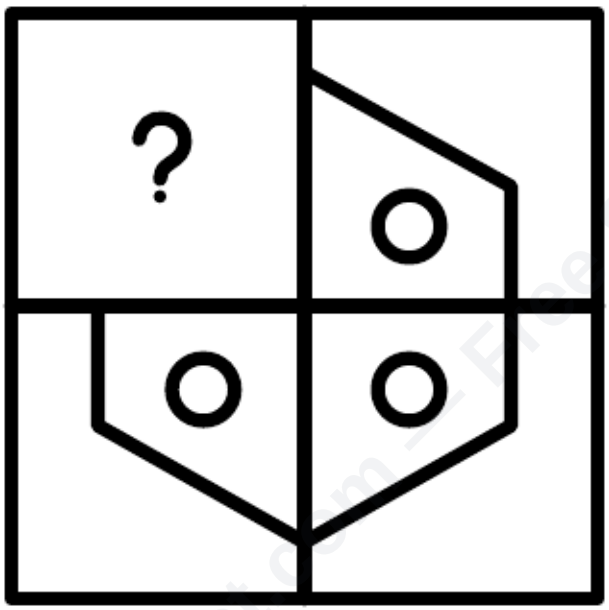
Q13. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first-letter cluster.

CWIS : VBPF ? AOLD : ?

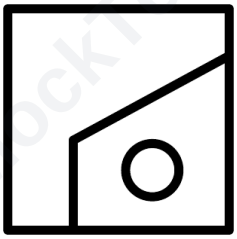
(a) CQUG
(b) CXJU
(c) XJMU
(d) EXUW

Q14. Select the figure from the options that can replace the question mark (?) and complete the pattern. (rotation is not allowed)

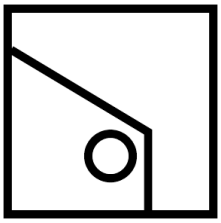
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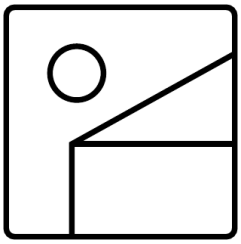
(a)



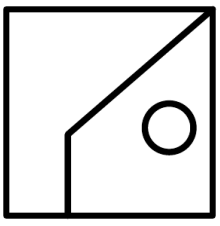
(b)



(c)



(d)

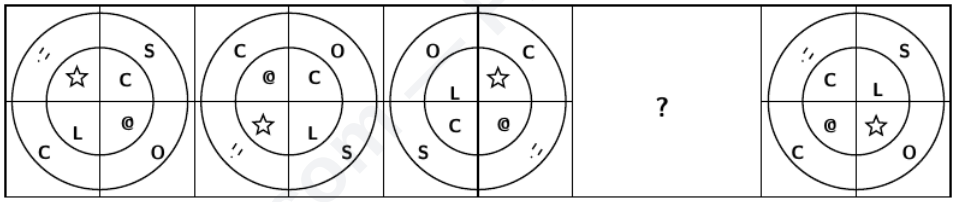


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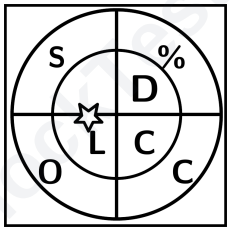
Q15. Amit, Bablu, Ramesh, Deepak, Imran, Sunil, and Sanju are sitting around a circular table facing opposite to the centre. Amit does not sit adjacent to Imran and Sanju. Bablu does not sit adjacent to Amit. Sanju sits second to the left of Imran. Ramesh sits fourth to the left of Amit. Deepak and Bablu sit adjacent to each other. Who sits immediate right of Amit?

(a) Bablu
(b) Sunil
(c) Ramesh
(d) Sanju

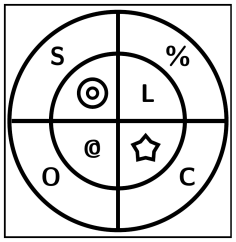
Q16. Select the figure from among the given options that can replace the question mark (?) in the following series.



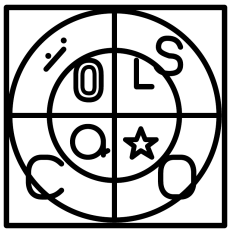
(a)



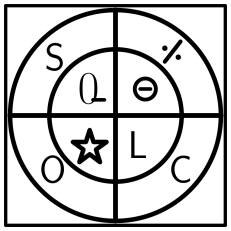
(b)



(c)



(d)



Q17. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

(7, 9, 130), (11, 9, ?), (16, 8, 320)

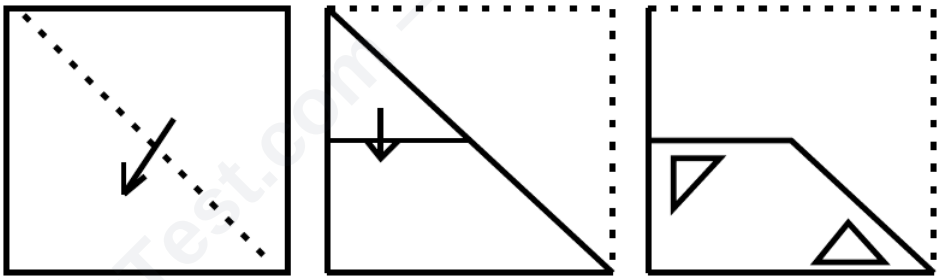
(a) 188
(b) 220

(c) 202
(d) 160

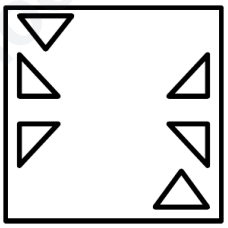
Q18. In a certain code language, 'POM' is coded as '43', and 'HAN' is coded as '22'. How will 'BRO' be coded in that language?

(a) 36
(b) 33
(c) 35
(d) 34

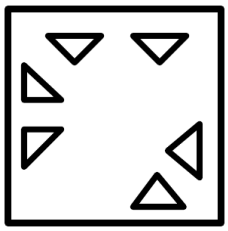
Q19. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



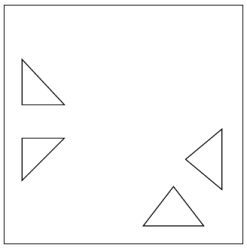
(a)



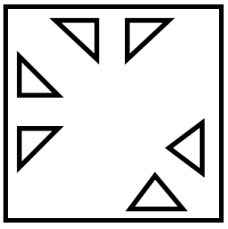
(b)



(c)



(d)



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Q20. Five friends P, Q, R, S and T are sitting around a circular table facing towards the centre (not necessarily in the same order). Q is second to the left of T. S is the immediate neighbour of Q and T. R is not the immediate neighbour of Q. While counting from the left of Q, how many friends are sitting between Q and S?

(a) One
(b) Two
(c) Three
(d) Four

Q21. 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:

Some holders are parameters.

Some chambers are parameters.

Some parameters are not measures.

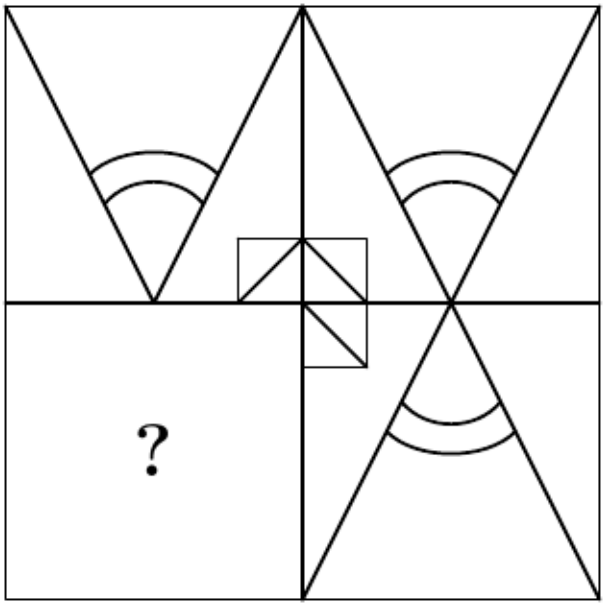
Conclusions:

I. Some measures are chambers.

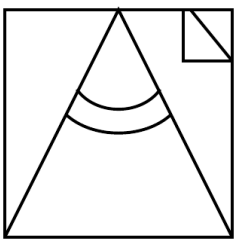
II. Some holders are chambers.

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

Q22. Select the option that can replace the question mark (?) in the given figure and complete the pattern.

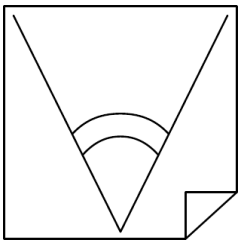


(a)

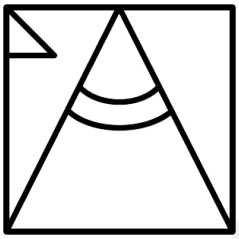


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(b)



(c)



(d)

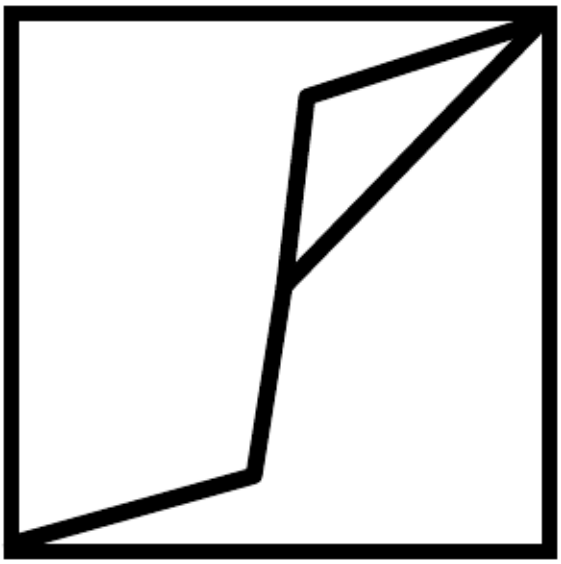


Q23. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BJT, DHV, FFX, ?, JBB

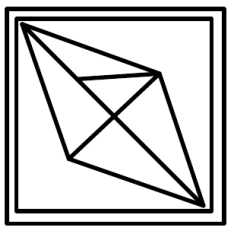
(a) HDY
(b) HCZ
(c) HDZ
(d) HCY

Q24. Select the option in which the given figure is embedded. (Rotation is not allowed)

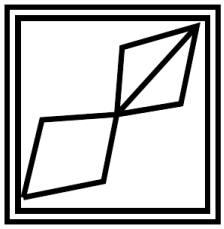


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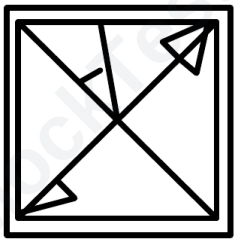
(a)



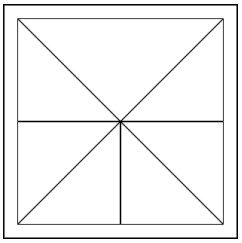
(b)



(c)



(d)



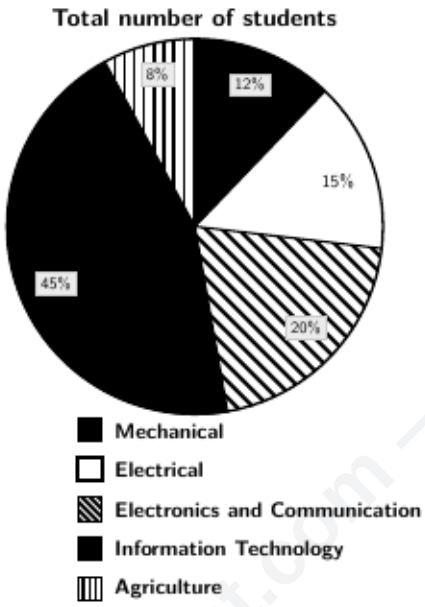
Q25. Among five persons A, B, C, D and E, who are of different ages, A is younger than only D and E. E is younger than D and older than B. C is the youngest. Who is the fourth oldest?

(a) C
(b) D
(c) E
(d) B

NUMERICAL APTITUDE

Q26. The following pie chart gives the percentages of the number of students studying in different streams in an engineering college. There are 5000 students in the college in all.

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The college decided to give Rs. 300 per student to each stream for the purchase of teaching materials. How much will the Electronics and Communication stream get?

(a) Rs. 2,25,000
(b) Rs. 1,80,000
(c) Rs. 3,00,000
(d) Rs. 1,20,000

Q27. The marked price of an item is 25% more than its selling price. The selling price of the same item is 20% more than its cost price. The marked price of that item is what percentage more than its cost price?

(a) 45%
(b) 35%
(c) 50%
(d) 40%

Q28. Find the total surface area of a closed hemisphere whose diameter is 7 cm. [Use π = 22over 7]

(a) 77 cm^2
(b) 154 cm^2
(c) 110 cm^2
(d) 115.5 cm^2

Q29. The average of 12 numbers is 15, and the average of the first four numbers is 13. What is the average of the remaining numbers?

(a) 16
(b) 14
(c) 12
(d) 18

Q30. A retailer buys a used laptop for Rs. 22,500. His overhead expenses are Rs. 1,500. He sells the laptop for Rs. 30,000. The profit percentage of the retailer is:

(a) 50%
(b) 25%
(c) 10%
(d) 52%

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Q31. The following table shows the marks secured (out of 50) in two subjects by a number of students of a school.

Subject	Marks out of 50				
40 and above	30 and above	20 and above	10 and above	0 and above	
Hindi	80	120	150	540	1200
English	40	140	180	960	1200

What is the ratio of the number of students who scored 40 and above in Hindi to the number of students who scored 20 and above in English?

(a) 3 : 4
(b) 4 : 9
(c) 9 : 4
(d) 4 : 3

Q32. Kavita can complete a piece of work alone in 12 hours, while Komal can complete the same work alone in 18 hours. Kavita works alone for the first 4 hours and leaves. After that, Komal comes and completes the remaining work by herself. How much time did Komal take to finish the remaining work?

(a) 15 hours
(b) 10 hours
(c) 16 hours
(d) 12 hours

Q33. Two wires of lengths 10 m 54 cm and 11 m 56 cm are both cut into pieces of length x cm each, where x is an integer. Find the maximum value of x.

(a) 42
(b) 56
(c) 34
(d) 28

Q34. Rahul's monthly income is Rs. 1,50,000. Of this, he saves Rs. 1,500. Find the percentage of his savings.

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

Q35. For a candidate to pass a examination, he must score 60% marks. If he scored 345 and failed by 15 marks, then what are the total marks for the examination?

(a) 400
(b) 480
(c) 600
(d) 540

Q36. What is the length of the longest pole that can fit itself in a hall 60 feet long, 30 feet broad and 20 feet high?

(a) 70 feet
(b) 20 feet
(c) 50 feet
(d) 30 feet

Q37. What will be average of all the odd numbers between 8 and 32?

(a) 21
(b) 18
(c) 20
(d) 19

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Q38. If P = 5over6 Q and Q = 4over5 R, What is 2P : 3Q : 4R?

(a) 5 : 9 : 15
(b) 9 : 5 : 6
(c) 8 : 9 : 16
(d) 6 : 8 : 15

Q39. A boat can travel 21 km in 3 hours going upstream. It can travel 55 km in 5 hours going downstream. What is the speed of the stream?

(a) 2.5 km/h
(b) 3.5 km/h
(c) 3 km/h
(d) 2 km/h

Q40. Two numbers are in the ratio 3 : 5. If 4 is subtracted from each of these two numbers, the new numbers then are in the ratio 4 : 7. Find the smaller of the two original numbers.

(a) 2
(b) 18
(c) 4
(d) 36

Q41. A, B and C together can complete a work in 10 days. A and B together can do the same work in 12 days. If A, B and C received Rs. 9,000 for doing the work together, then what was the share of C from the above amount?

(a) Rs. 3,000
(b) Rs. 3,750
(c) Rs. 1,500
(d) Rs. 2,250

Q42. What is the value of 75/28×7/12+[5/12+{5/7+(8/12 of 36/24-1/2)}] ?

(a) 1811over335
(b) 1085over339
(c) 1073over336
(d) 1561over337

Q43. What is the value of a in the following equation?

34 + 16 − a × [40 ÷ 5 − 3] = 15

(a) 5
(b) 7
(c) 9
(d) 6

Q44. A man completes his journey in 6 hours. He covers half the distance at 10 km/h and the rest at 20 km/h. The length of the journey is:

(a) 30 km
(b) 10 km
(c) 80 km
(d) 20 km

Q45. The radius of the base and the height of a closed cylinder are 14 cm and 14 cm, respectively. The total surface area of the cylinder is equal to the area of a circle. What will be the diameter of the circle? [Use π = 22over7]

(a) 56 cm
(b) 28 cm
(c) 14 cm
(d) 35 cm

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Q46. A sum of Rs. 7,000 deposited at compound interest becomes triple of itself after 4 years. How much will the amount be after 12 years?

(a) Rs. 49,000
(b) Rs. 63,000
(c) Rs. 1,89,000
(d) Rs. 84,000

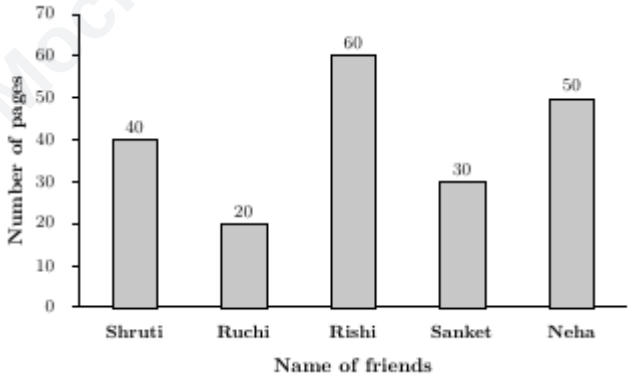
Q47. A shopkeeper marks up his price by 12% and then allows a 12% discount. What is his profit or loss percentage?

(a) 1.44% loss
(b) 1.2% profit
(c) 6% profit
(d) 4% loss

Q48. The average of nine consecutive even numbers is 24. What is the average of the smallest three of these 9 given numbers?

(a) 21
(b) 20
(c) 18
(d) 19

Q49. The following bar graph shows the number of pages read by five friends when they went to a library.



In percentage terms, how many more pages did Rishi read than Neha?

(a) 10%
(b) 15%
(c) 5%
(d) 20%

Q50. A sum of money amounts to 5 times of itself in 20 years, when invested at a certain rate of simple interest per annum. What is the rate of simple interest per annum that is on offer?

(a) 25%
(b) 12.5%
(c) 20%
(d) 15%

GENERAL ENGLISH

Q51. 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 young boy tried to jerk out of the way, / but she grabbed him and began / rubbing the tip of his nose to get the stain off.

(a) No error
(b) The young boy tried to jerk out of the way
(c) rubbing the tip of his nose to get the stain off

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(d) but she grabbed him and began

Q52. Select the most appropriate synonym of the given word.

Revile

(a) Silence
(b) Incite
(c) Discourage
(d) Abuse

Q53. Select the most appropriate meaning of the underlined idiom in the given sentence.

Stop flogging a dead horse and concentrate on your career.

(a) To waste time on useless things
(b) To go on trips repeatedly
(c) To fall in love quickly
(d) To make no progress

Q54. Select the INCORRECTLY spelt word.

(a) Autocrecy
(b) Bureaucracy
(c) Autonomy
(d) Anarchy

Q55. Select the most appropriate option to fill in the blank.

We need to _____ for next week, so are you in or out?

(a) make noise
(b) make a mess
(c) make plans
(d) make a mistake

Q56. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The plants readily respond to these stimulus.

(a) readily respond to these stimuli
(b) ready respond to these stimuli
(c) readily responds to this stimulus
(d) No improvement required

Q57. Select the most appropriate synonym of the given word.

Fright

(a) Dread
(b) Mockery
(c) Composure
(d) Bravery

Q58. Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.

We are all aware that our environment are not what it used to be.

(a) What it used to be
(b) We are all
(c) environment are not
(d) aware that our

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Q59. Select the correctly spelt word.

(a) Escapeade
(b) Resonate
(c) Progresion
(d) Disccovery

Q60. 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.

Most of the carbon-trapping mechanisms / that we have identified are / based at limit studies.

(a) No error
(b) that we have identified are
(c) based at limit studies
(d) Most of the carbon-trapping mechanisms

Q61. Select the option that can be used as a one-word substitute for the given group of words.

Incapable of making mistakes or being wrong

(a) Fatalist
(b) Fanatic
(c) Infallible
(d) Cynic

Q62. Select the most appropriate meaning of the underlined idiom.

Half a million dollars is only a drop in the bucket to what is required for this industry.

(a) An unreliable person
(b) unity and functioning together to achieve a goal
(c) A very small part of something big or whole
(d) a person or situation having no hope of positive change

Q63. Select the most appropriate option to fill in the blank.

This small hut is going to be my _____ for the next three days.

(a) legacy
(b) scout
(c) loaf
(d) abode

Q64. Select the most appropriate option to fill in the blank.

He believed that he had struck terror in his children's hearts because of his _____.

(a) love
(b) rage
(c) calmness
(d) fortune

Q65. Select the most appropriate option to fill in the blank.

Miss Samantha is at the _____ of her popularity.

(a) pick
(b) peek
(c) peck
(d) peak

Q66. Select the most appropriate ANTONYM of the given word.

Flexible

(a) Compliant
(b) Defiant
(c) Peculiar

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(d) Reckless

Q67. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

As the tree came crashing down, the monkeys woke up from its sleep and ran from branch to branch.

(a) woke up from their sleep
(b) No improvement required
(c) waken up in their sleep
(d) wakes up from its sleep

Q68. Select the most appropriate option to fill in the blank.

The age of the participants _____ an important factor in this competition.

(a) is
(b) do
(c) has
(d) are

Q69. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

No other informations was conveyed to him.

(a) No other's information
(b) No improvement required
(c) No other information
(d) None another information

Q70. Select the option that can be used as a one-word substitute for the given group of words.

Someone working or acting merely for money or other rewards

(a) Debtor
(b) Mercenary
(c) Contractor
(d) Player

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.

Mahalia Jackson was (1) ____ into a preacher's family in 1911, and she grew up in a riverfront shanty in New Orleans. She was motherless at five, working as a maid and laundress in her mid-teens. As a little girl, she would (2) __ to herself before she went to sleep, "Someday the sun is going to shine down on me in some faraway place." In pursuit of that dream, Mahalia migrated to Chicago when she was still a teenager. She never expected to support herself by singing, and by the time I joined her, the hands she used so expressively in her performances had (3) __ floors, (4) __ and helped her earn a living as a hotel maid, factory worker, beautician and florist. But her remarkable (5) ____ brought her more and more invitations to singat funerals, in churches, at concerts. And, through her warm friendly personality and a life based on sound spiritual values and hard work, she eventually found her place in the sun.

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

(a) Adorn
(b) Worn
(c) Born
(d) Scorn

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

(a) Whisper
(b) Glimmer
(c) Crisper
(d) Prosper

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

(a) Stubbed
(b) Clubbed
(c) Scrubbed
(d) Grubbed

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

(a) Pondered
(b) Laundered
(c) Unsoldered
(d) Considered

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

(a) keeping-skills
(b) Voice
(c) Beauty
(d) Cleaning

GENERAL AWARENESS

Q76. Which of the following is an example of autotrophs?

(a) Protozoa
(b) Animals
(c) Viruses
(d) Green plants

Q77. Which of the following terms is NOT associated with cricket?

(a) Maiden
(b) LBW
(c) Slam dunk
(d) Yorker

Q78. Which of the following festivals marks the start of the Telugu New year?

(a) Onam
(b) Gudi Padwa
(c) Pongal
(d) Ugadi

Q79. In which year did the Bhopal Gas Tragedy take place?

(a) 1986
(b) 1982
(c) 1984
(d) 1980

Q80. Most Harappan seals made of _____.

(a) Bricks
(b) Granite
(c) Steatite
(d) Brass

Q81. Who was the first Indian composer to win the Grammy Award?

(a) Zubin Mehta
(b) Zakir Hussain
(c) AR Rahman
(d) Pandit Ravi Shankar

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Q82. If a fundamental right of a citizen of India is violated, _____.

(a) he has to appeal in the Supreme court only
(b) he has to appeal in the district court first
(c) he has the choice of either approaching the Supreme court directly or the High court
(d) he has to appeal in the High court first

Q83. For which of the following albums did Sonu Nigam win a Grammy Award?

(a) Mubarakan
(b) Mehmaan
(c) Mahsoos
(d) Muskurahat

Q84. Which of the following countries belong to the polar regions?

(a) Canada
(b) Colombia
(c) Chile
(d) China

Q85. Kathak is a classical dance form of which Indian state?

(a) Tamil Nadu
(b) Uttar Pradesh
(c) Manipur
(d) Assam

Q86. Mirabai Chanu won the first silver medal for India in weightlifting at the _____ Olympics 2020.

(a) Beijing
(b) Rio de Janeiro
(c) London
(d) Tokyo

Q87. Which of the following measures of money supply is least liquid of all?

(a) M4
(b) M1
(c) M3
(d) M2

Q88. Damon Galgut was awarded the Booker Prize 2021 for Fiction for his book _____.

(a) The Promise
(b) Great Circle
(c) A Passage North
(d) The Fortune Men

Q89. The workforce population includes people between _____ years.

(a) 20 to 54
(b) 15 to 59
(c) 18 to 45
(d) 17 to 55

Q90. Which of the following is a noble chemical element of the modern periodic table?

(a) Fluorine
(b) Silicon
(c) Nitrogen
(d) Neon

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Q91. Who among the following is popularly known as the ‘Disco King’ passed away in February 2022?

(a) Anupam Shyam
(b) Bappi Lahiri
(c) Vanraj Bhatia
(d) Chandrashekhar G

Q92. Who among the following published the book ‘Stripurushtulna’?

(a) Anita Desai
(b) Tarabai Shinde
(c) Shashi Deshpande
(d) Pandita Ramabai

Q93. Kanishka was a ruler of _____ dynasty.

(a) Mughal
(b) Maurya
(c) Kushana
(d) Gupta

Q94. Who ruled over Delhi after Razia Sultan?

(a) Shamsuddin Iltutmish
(b) Ghiyasuddin Balban
(c) Prithviraj Chauhan
(d) Qutbuddin Aibak

Q95. Which of the following campaigns was launched for greywater management in March 2022?

(a) Sujlam
(b) Sujlam 2.0
(c) Jalrakshak
(d) Jalrakshak 2.0

Q96. As of April 2022, what is the official language of India's neighbouring country China?

(a) Bengali
(b) Burmese
(c) Sinhala
(d) Mandarin

Q97. In which year through the Indian Official Secrets Act was freedom of press curbed?

(a) 1919
(b) 1921
(c) 1904
(d) 1909

Q98. This layer of soil is dark in colour as it is rich in humus and minerals. It is generally soft, porous and can retain more water. It is called:

(a) B-horizon
(b) bedrock
(c) C-horizon
(d) topsoil

Q99. Which of the following is NOT a function of the State Public Service Commission?

(a) It conducts examinations for appointments to the services of the state.
(b) It is consulted in all disciplinary matters affecting a person serving under the government of the state in a civil capacity.
(c) It is consulted on any claim for the award of a pension in respect of injuries sustained by a person while serving under the government of the state.
(d) It is consulted while making reservations of appointments or posts in favour of any backward class of citizens.

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Q100. Which of the following minerals are NOT found in Chota nagpur-belt?

(a) Gold
(b) Iron-ore
(c) Chromite
(d) Coal

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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