SSC MTS Previous Year Paper (Held on: 13 July 2022 Shift 2)

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

Take this paper as a timed mock test

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

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Scan the QR code or click the link to open it.

GENERAL INTELLIGENCE & REASONING

Q1. Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number.

3856 : 8563 :: 4893 : ? :: 2873 : 8732

(a) 8934
(b) 3948
(c) 3984
(d) 8943

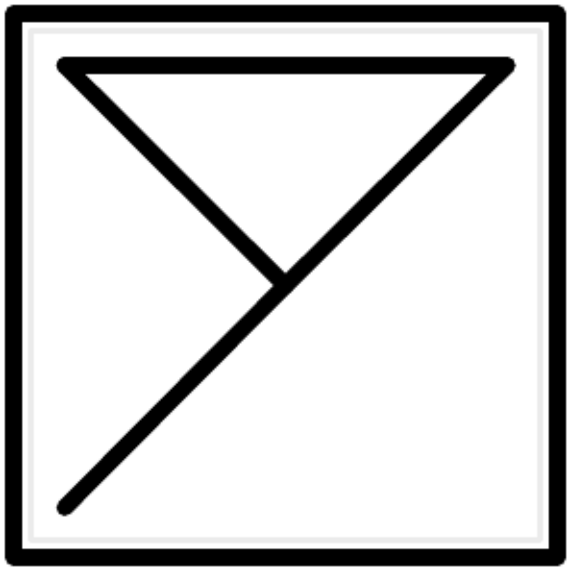
Q2. Six people Ali, Parth, Roy, Minal, Sudhir and Zeeshan are sitting in a straight row facing North. Sudhir and Zeeshan are in the centre. Ali and Parth are at the corners. Roy is sitting to the immediate left of Ali. Who is sitting to the immediate right of Parth?

(a) Sudhir
(b) Zeeshan
(c) Roy
(d) Minal

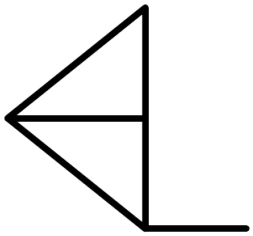
Q3. In a certain code language, ‘Flames are bright’ is written as ‘@ # %’ and ‘Bright is sun flames’ is written as ‘* # 7 @’. Which one of the following is the possible code for ‘is’ in that code language?

(a) %
(b) @
(c) #
(d) *

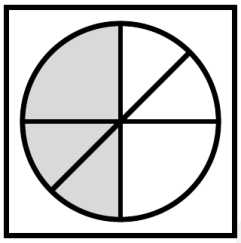
Q4. Select the option in which the given figure is embedded (rotation is NOT allowed).



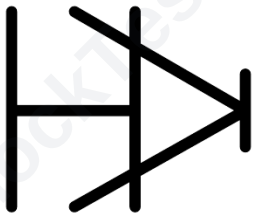
(a)



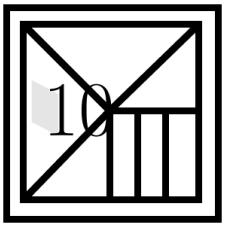
(b)



(c)



(d)



Q5. 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. Some A are B.

II. All C are B.

Conclusions:

I. Some B are A's is a possibility.

II. No C is A.

III. All A are C.

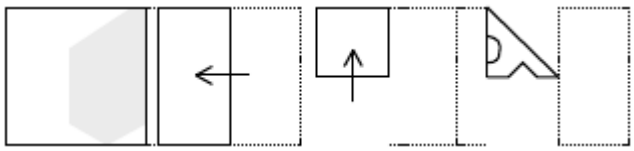
(a) None of the conclusions follow

(b) Only conclusion I follows

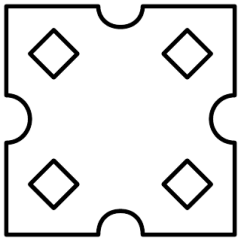
(c) All the conclusions follow

(d) Only conclusion III follows

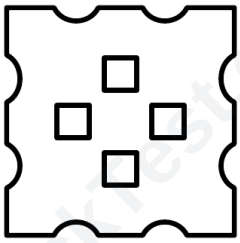
Q6. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



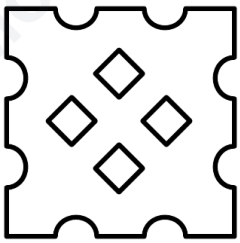
(a)



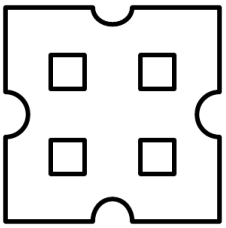
(b)



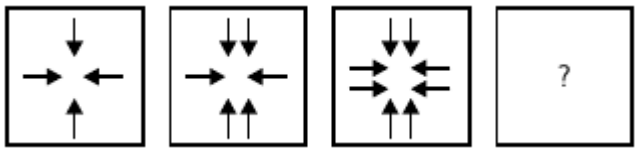
(c)



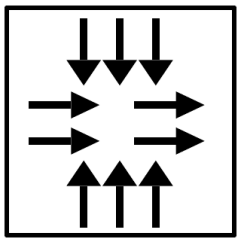
(d)



Q7. Select the figure from among the given options that can replace the question mark (?) in the following series.

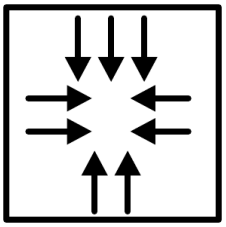


(a)

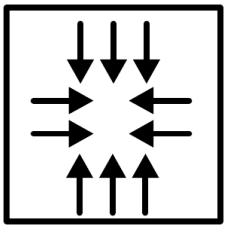


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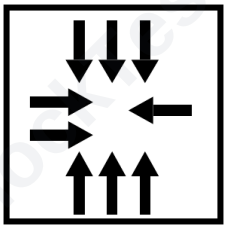
(b)



(c)



(d)



Q8. In a certain code language, 'ri ti gi' is written as 'Usha playing cards', 'si ni gi' is written as 'Asha playing tennis' and 'ri si wi' is written as 'cards and tennis'. What is the code for the word 'tennis' in that language?

(a) ni
(b) ri
(c) wi
(d) si

Q9. In a certain code language, 'PIZZA' is written as 'QJAAB' and 'BLACK' is written as ‘CMBDL’. How will 'BUZZY' be written in that language?

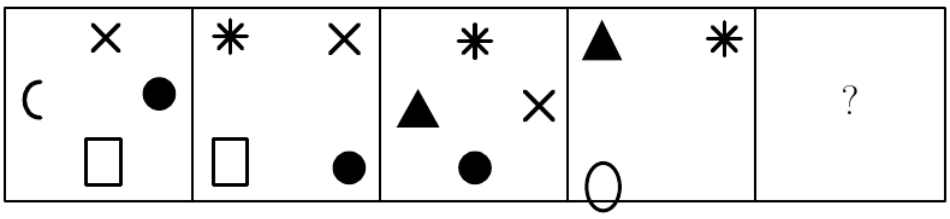
(a) CVAZZ
(b) CVAAZ
(c) CVABZ
(d) CTAAZ

Q10. Which two signs need to be interchanged to make the following equation correct?

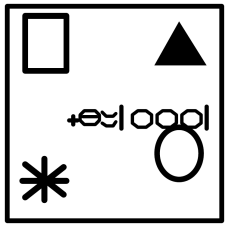
352 × 8 − 330 + 125 ÷ 4 = 214

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

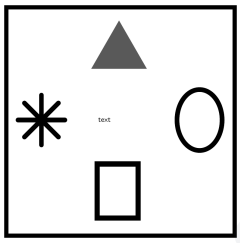
Q11. Select the figure from among the given options that can replace the question mark (?) in the following series.



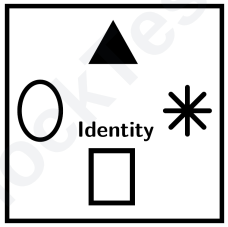
(a)



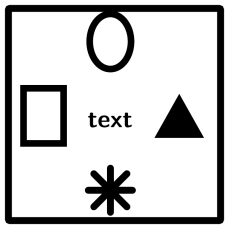
(b)



(c)



(d)



Q12. A, B, C, D, E, F and G give a test. A scores more than B, C and D. G scores more than E and F. F scores more than A. Who scores the highest in the test?

(a) F
(b) A
(c) E
(d) G

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.

DGP : WTK :: MOS : ?

(a) NEH
(b) MLH
(c) NLT
(d) NLH

Q14. Select the option in which the numbers are related in the same way as are the numbers of the following sets.

(2, 4, 36)

(4, 6, 100)

(a) (8, 4, 1020)
(b) (12, 4, 230)
(c) (4, 4, 64)

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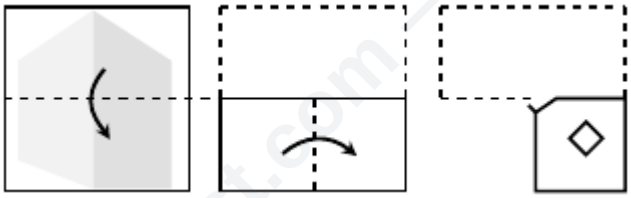
(d) (14, 2, 75)

Q15. Select the option that is related to the sixth number in the same way as the first number is related to the second number and the third number is related to the fourth number.

1503 : 3004 :: 871 : 1740 :: ? : 142

(a) 98
(b) 110
(c) 72
(d) 65

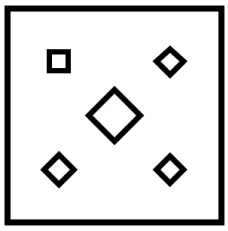
Q16. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



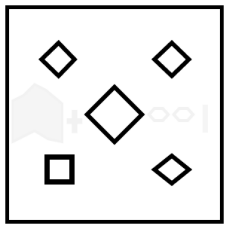
(a)



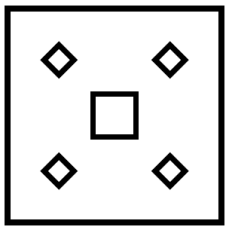
(b)



(c)



(d)



Q17. Nine people Asha, Bishal, Carol, Dinky, Emily, Farah, Golu, Harsh, and Itika are watching a movie in a theatre sitting in a straight row facing North. Bishal is at one end of the row. Harsh is seated adjacent to both Farah and Golu. Carol is to the immediate right of Dinky and in the third place to the right of Emily. Asha is on the immediate left of Farah. Farah is in the third place to the left of Bishal. Who are at the ends of the row?

(a) Bishal and Dinky
(b) Harsh and Itika
(c) Carol and Emily
(d) Emily and Bishal

Q18. 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.

A 1 : E 3 :: M 7 : Q 9 :: S 5 : ?

(a) W 7
(b) U 7
(c) W 5
(d) V 7

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

6, 9, 7, 10, 8, 11, ?

(a) 12
(b) 9
(c) 11
(d) 10

Q20. 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:

No atom is a molecule.

No molecule is an element.

Conclusions:

I. It is possible for some atoms to be elements.

II. Some elements are molecules.

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

Q21. What will come in the place of '?' in the following equation, if '+' and '–' are interchanged and also '×' and '÷' are interchanged?

40 × 10 − 20 + 10 ÷ 2 = ?

(a) 4
(b) 8
(c) 6
(d) 2

Q22. 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.

ROM : SRT :: PNA : ?

(a) QQH
(b) QQI
(c) RQI
(d) QRH

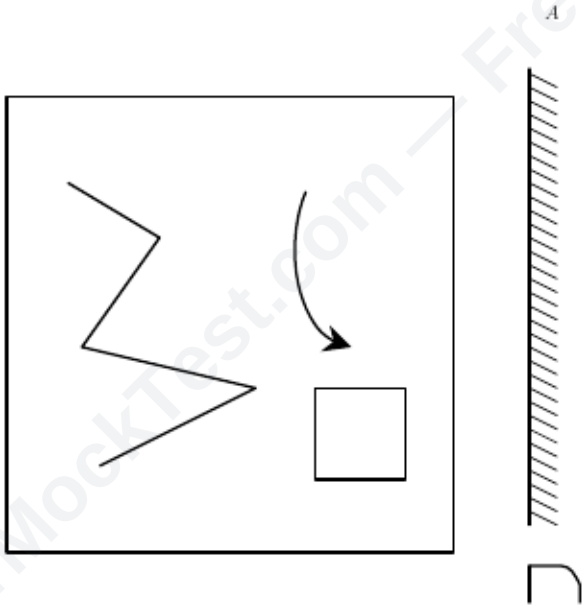
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Q23. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

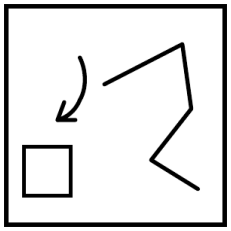
TX, ZD, FJ, LP, ?

(a) RU
(b) SV
(c) SU
(d) RV

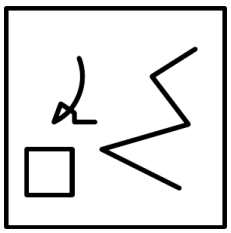
Q24. Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.



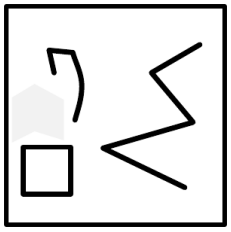
(a)



(b)

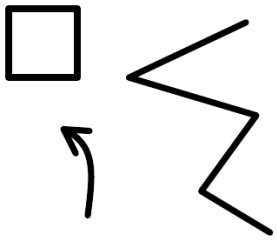


(c)



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(d)



Q25. In a certain code language, 'POINT' is coded as '11', and 'GRANDST' is coded as '11'.
How will 'HEMANT' be coded in that language?

(a) 8
(b) 4
(c) 9
(d) 7

NUMERICAL APTITUDE

Q26. An article is sold for Rs. 4,800 at a profit of 20%. If the selling price is increased by Rs. 600, then what will be the profit percentage?

(a) 40%
(b) 25%
(c) 30%
(d) 35%

Q27. What is the difference between the compound interest and the simple interest on Rs. 2,000 at 10% interest per annum for 2 years, if, for compound interest, interest is compounded annually?

(a) Rs. 20
(b) Rs. 40
(c) Rs. 80
(d) Rs. 60

Q28. Find the single discount equivalent to two successive discounts of 10% and 5%.

(a) 85.5%
(b) 90%
(c) 75.5%
(d) 14.5%

Q29. A is 40% less than 60% of 1500. What is the value of A?

(a) 500
(b) 480
(c) 540
(d) 360

Q30. P = 18 × 9 ÷ 6 + 5 × 15 ÷ 25 and Q = 15 ÷ 5 × 5 - 25 ÷ 5, what is the value of (P ÷ Q)?

(a) 2.5
(b) 2
(c) 3
(d) 1.5

Q31. If A, B and C are three distinct prime numbers, then what is the highest common factor of A, B and C?

(a) 7
(b) 0
(c) 5
(d) 1

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Q32. What is the value of p in the following equation?

64 - [16 + {23 - (12 + 10)}] = p

(a) 47
(b) 49
(c) 81
(d) 3

Q33. If the mean of two numbers is 12, and the difference between the two numbers is 6, find the two numbers.

(a) 2 and 22
(b) 14 and 10
(c) 15 and 9
(d) 3 and 24

Q34. The average of T1 and T2 is 15. The average of T3 and T4 is 35. What is the average of T1, T2, T3 and T4?

(a) 24
(b) 30
(c) 28
(d) 25

Q35. Tap A can fill an empty tank in 8 hours if no other tap is open, and tap B can empty the same tank, when filled, in 12 hours, when no other tap is open. Find the time taken to fill the same tank, when empty, if both the taps are opened together.

(a) 12 hours
(b) 16 hours
(c) 24 hours
(d) 36 hours

Q36. Rs. 2,300 is to be divided among P, Q, R and S in such a way that the ratio of P : Q : R : S is 2 : 6 : 9 : 6, respectively.

What is the sum of the shares of P and S?

(a) Rs. 1,100
(b) Rs. 1,200
(c) Rs. 800
(d) Rs. 230

Q37. Pia and Ria can complete a project together in 26 days. Pia alone can complete the project in 78 days. They start working together but Pia leaves after 12 days. In how many days can Ria complete the remaining work of the project?

(a) 21 days
(b) 24 days
(c) 25 days
(d) 13 days

Q38. The compound interest received on Rs. 18,000 for 2 years is Rs. 7,920, when the interest is compounded annually. What is the rate of interest per annum?

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

Q39. A room is in the shape of a cuboid of dimensions 4 m, 2 m and 8 m. If a bag of grain occupies a space of 0.50 m^3, then how many such bags can be stored in the room?

(a) 128 bags
(b) 144 bags
(c) 108 bags

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(d) 118 bags

Q40. A train completely crosses a bridge of length 80 m in 15 s. Find the length of the train if its speed is 72 km/h.

(a) 300 m
(b) 220 m
(c) 150 m
(d) 270 m

Q41. The selling price and the cost price of a cup are Rs. 576 and Rs. 800 respectively. What is the loss percentage?

(a) 22%
(b) 28%
(c) 24%
(d) 32%

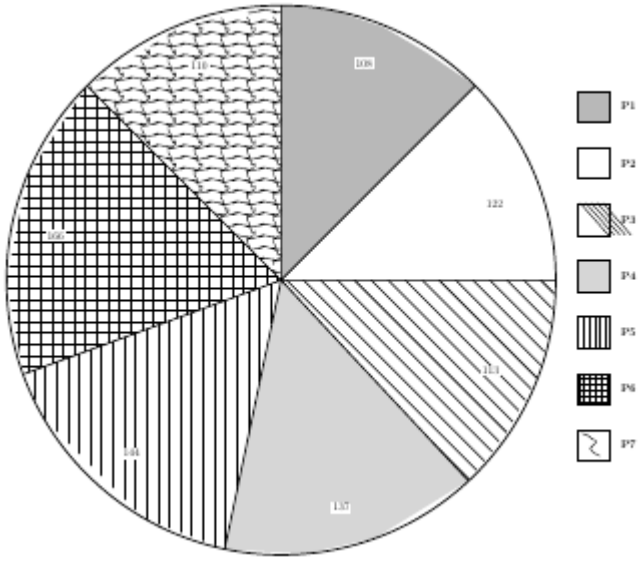
Q42. How many identical solid cubes, each having sides that are 3 cm long, can be formed by melting a solid cuboid, whose length, breadth and height are 9 cm, 12 cm and 15 cm, respectively?

(a) 50
(b) 120
(c) 60
(d) 90

Q43. If 8 : x :: x : 32, find the positive value of x.

(a) 20
(b) 16
(c) 4
(d) 12

Q44. The following pie chart shows the actual number of photographs shared by a person on each of 7 different social media platforms.



What is the difference between the central angles made by sector P5 and sector P1?

(a) 18°
(b) 10.8°
(c) 14.4°
(d) 21.6°

Q45. The length of each side of a square is 16 cm. What is the area of the square?

(a) 112 cm2
(b) 176 cm2
(c) 128 cm2

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(d) 256 cm2

Q46. A truck is running at a speed of 75 km/h. In 4 hours, how much distance will it cover?

(a) 280 km
(b) 300 km
(c) 240 km
(d) 320 km

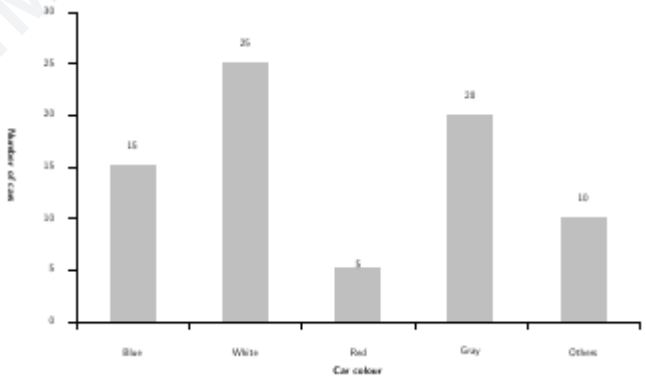
Q47. The following table shows the total sale of cars of four companies from 2015 to 2018.

YEAR/CAR	TATA	HYUNDAI	MAHINDRA	TOYOTA
2015	465	472	486	482
2016	375	427	379	419
2017	246	357	236	523
2018	456	357	484	475

In which year was the total number of cars sold by these four companies taken together the maximum?

(a) 2015
(b) 2018
(c) 2017
(d) 2016

Q48. The following graph shows the number of cars of different colours in a society.



What is the approximate percentage of white colour cars out of all cars in the society?

(a) 66.67%
(b) 33.33%
(c) 15%
(d) 25%

Q49. An alloy contains 30 per cent aluminium. What quantity of alloy will have 300 gm of aluminium?

(a) 0.8 kg
(b) 1 kg
(c) 1.2 kg
(d) 0.6 kg

Q50. The mean of five numbers is 45. If a sixth number is also included, the mean becomes 48. Find the sixth number.

(a) 73
(b) 63
(c) 43
(d) 53

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GENERAL ENGLISH

Q51. Direction: Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

One of the baby elephants broke off from the herd and lost its way.

(a) No improvement required
(b) in
(c) down
(d) away

Q52. Direction: Select the most appropriate ANTONYM of the given word.

Sturdy

(a) Delicate
(b) Dragging
(c) Tiny
(d) Drab

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

_____ is going to take the responsibility for this failure?

(a) Whom
(b) Who
(c) Which
(d) Whose

Q54. Direction: Select the most appropriate synonym of the given word.

Pleasant

(a) Awful
(b) Delightful
(c) Faithful
(d) Sorrowful

Q55. Direction: Select the option that can be used as a one-word substitute for the given group of words.

One who believes in fate

(a) Fatalist
(b) Optimist
(c) Mercenary
(d) Ascetic

Q56. Direction: Select the most appropriate meaning of the given idiom.

To take with a grain of salt

(a) To take seriously
(b) To have total disbelief
(c) To believe with some scepticism
(d) To accept wholeheartedly

Q57. Direction: 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.

We usually sleep in bedrooms with the door firmly shuted behind us.

(a) We usually sleep in
(b) bedrooms with the door
(c) No error
(d) firmly shuted

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Q58. Direction: 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.

You have to constant consider how your personal behaviour is going to impact everyone around you.

(a) You have to constant consider
(b) No error
(c) to impact everyone around you
(d) how your personal behaviour is going

Q59. Direction: Select the option that will improve the bracketed part of the sentence. In case no improvement is needed, select 'No improvement required'.

(Neither of the leading political parties have had much) success in the southern region.

(a) No improvement required
(b) Neither of the leading political parties has had much
(c) Neither of the leading political party has had much
(d) Neither of the leading political parties have had any

Q60. Direction: Select the option that can be used as a one-word substitute for the given group of words.

The collection and study of postage stamps

(a) Philately
(b) Ornithology
(c) Philosophy
(d) Philanthropy

Q61. Direction: Select the INCORRECTLY spelt word.

(a) Barricade
(b) Prosperity
(c) Bouket
(d) Dissatisfied

Q62. Direction: Select the option that corrects the misspelt words in the given sentence.

He maintins the unity and fredom of the suol.

(a) He maintains the unity and freedom of the soul.
(b) He maintains the unity and freedomm of the soul.
(c) He maintins the unitty and freedom of the soul.
(d) He maintins the unity and fredom of the soul.

Q63. Direction: Select the most appropriate meaning of the given idiom.

Make a living

(a) To abuse someone
(b) To make excuses for everything
(c) To earn enough money for things you need
(d) To rely on corrupt money

Q64. Direction: Select the option that can be used as a one-word substitute for the given group of words.

A person who sells flowers

(a) Florist
(b) Horticulturist
(c) Chauffeur
(d) Invigilator

Q65. Direction: Select the most appropriate ANTONYM of the given word.

Miniature

(a) Teeny
(b) Mammoth

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(c) Average
(d) Minuscule

Q66. Direction: Select the most appropriate option to fill in the blank.

Most employers _____ the use of mobile phones during office hours.

(a) prohibit
(b) submerge
(c) cultivate
(d) spirit

Q67. Direction: Select the option that can be used as a one-word substitute for the given group of words.

A disturbed state of mind caused by an illness.

(a) Delirium
(b) Discrepancy
(c) Dilemma
(d) Depreciation

Q68. Direction: 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.

Your infidelity have given me too much pain in life.

(a) given me too
(b) much pain in life
(c) No error
(d) Your infidelity have

Q69. Direction: Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

His wise choice of men like Wolfe in Canada and Clive in India, and his vigorous measures in managing foreign affairs, made England respected in every part of the world.

(a) wisely chosen
(b) wisely choice
(c) No substitution required
(d) wise choose

Q70. Direction: Select the most appropriate synonym of the underlined word in the given sentence.

These colours add a vivacious and fairy-like effect to my dress.

(a) repressed
(b) impassive
(c) sparky
(d) gloomy

Directions

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

In Andhra Pradesh, low rainfall and increased ___ (1) __ on borewells have led to soil aridity, while __ (2) __ snow and more rainfall has __ (3) __ the desertification crisis in Himachal Pradesh. On the other _ (4) __, in Rajasthan, canals, tube-well irrigation and shelterbelts have __ (5) ____ to an increase in the green cover.

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

(a) growth
(b) support
(c) addiction
(d) dependence

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

(a) few
(b) least
(c) less
(d) fewer

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

(a) deepen
(b) deepened
(c) deeper
(d) deep

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

(a) half
(b) hand
(c) sides
(d) case

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

(a) lead
(b) led
(c) leading
(d) leads

GENERAL AWARENESS

Q76. In which state of India is the Iravatanesvara temple situated?

(a) Tamil Nadu
(b) West Bengal
(c) Rajasthan
(d) Telangana

Q77. Which of the following cities existed in the Indus Valley Civilization?

(a) Harappa
(b) Sanchi
(c) Muziris
(d) Ayodhya

Q78. What is the atomic number of Carbon as per Mendeleev's Periodic Table?

(a) 3
(b) 6
(c) 1
(d) 10

Q79. The study of human populations including their size, composition and distribution across space and the process through which populations change is called _____.

(a) ethnography
(b) demography
(c) topography
(d) stenography

Q80. Which of the following pairs of folk dance and the state associated with is INCORRECT?

(a) Giddha - Punjab
(b) Wancho - Arunachal Pradesh
(c) Ghumar - Bihar

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(d) Nongkrem - Meghalaya

Q81. Which of the following rivers rises in the Nepal Himalayas?

(a) Betwa
(b) Chenab
(c) Chambal
(d) Ghaghara

Q82. How many different levels of courts are there in India?

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

Q83. Aves are warm-blooded animals and have a _____ heart.

(a) four-chambered
(b) two-chambered
(c) five-chambered
(d) three-chambered

Q84. Ustad Zakir Hussain is a famous Indian _____ player.

(a) Violin
(b) Guitar
(c) Sitar
(d) Tabla

Q85. Joint sector industry is one of the classifications of industries on the basis of _____.

(a) source of raw material
(b) capital investment
(c) bulk and weight of raw material
(d) Ownership

Q86. As per Census 2011, which of the following metro cities was the most populated in India?

(a) Kolkata
(b) Chennai
(c) Delhi
(d) Mumbai

Q87. Which Indian state government launched Project Sadbhavana in February 2022?

(a) Maharashtra
(b) Assam
(c) Tamil Nadu
(d) Gujarat

Q88. In which year did Tipu Sultan die defending his capital Seringapatam?

(a) 1799
(b) 1802
(c) 1792
(d) 1794

Q89. In the Union Budget of India 2022, what percentage of tax has been levied on transfer of digital assets (cryptocurrency)?

(a) 20 percentage
(b) 5 percentage
(c) 30 percentage

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(d) 10 percentage

Q90. Ajit Kumar Doval is the fifth and current _____ to the Prime Minister of India.

(a) Private Secretary
(b) Principal Secretary
(c) National Security Advisor
(d) Additional Secretary

Q91. Which of the following teams won the ICC Women's World Cup 2021/22?

(a) Australia
(b) South Africa
(c) England
(d) India

Q92. Padma Subrahmanyam is known for which classical dance form?

(a) Bharatanatyam
(b) Kathak
(c) Kuchipudi
(d) Mohiniyattam

Q93. Which of the following does NOT fall under Non-Chordates?

(a) Annelida
(b) Porifera
(c) Vertebrata
(d) Mollusca

Q94. Which of the following is one of the key features of the Indian Constitution?

(a) Autocratic government
(b) Dependent Judiciary
(c) Non-secular
(d) Federalism

Q95. _____ was founded by the Dadoba Pandurang and his brother Atmaram Pandurang in 1867 when Keshub Chandra Sen visited Maharashtra, with an aim to make people believe in one God and worship only one God.

(a) Prarthana Samaj
(b) Satyashodhak Samaj
(c) Arya Samaj
(d) Brahmo Samaj

Q96. Which planet in the solar system is considered as Earth's twin?

(a) Mercury
(b) Saturn
(c) Neptune
(d) Venus

Q97. Who among the following Chola rulers built Nishumbhasudini Goddess temple in Thanjavur?

(a) Aditya I
(b) Vijayalaya
(c) Rajaraja I
(d) Arinjaya

Q98. What is the name of Mahatma Gandhi's autobiography?

(a) Justice for the Judge
(b) The Story of My Experiments with Truth
(c) The Bandit Queen of India

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(d) My Music, My Life

Q99. Who among the following is the first Indian Grandmaster to become Women's Chess World Rapid Champion?

(a) Tania Sachdev
(b) Koneru Humpy
(c) Harika Dronavalli
(d) Bhakti Kulkarni

Q100. The International Sand Art festival is usually held in _____.

(a) Kerala
(b) Maharashtra
(c) Tamil Nadu
(d) Odisha

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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