SSC MTS Previous Year Paper (Held on: 11 July 2022 Shift 2)

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

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GENERAL INTELLIGENCE & REASONING

Q1. In a certain code language, 591 means 'sky is blue', 256 means 'sea is deep', and 609 means 'sea looks blue'. Which number is the code for 'blue' in that language?

(a) 0
(b) 9
(c) 1
(d) 5

Q2. Which two signs should be interchanged to make the following equation correct?

18 – 60 ÷ 45 + 6 × 128 = 138

(a) • and ×
(b) • and ÷
(c) × and -
(d) • and =

Q3. Z, Y, X, W and V are sitting on a sofa facing north. Z is sitting immediately next to Y. X is sitting immediately next to W. V is sitting on the leftmost seat. X is at the second position from the right. Z and X are sitting together. Who is sitting at the middle position?

(a) Z
(b) X
(c) U
(d) W

Q4. Select the option that is related to the fifth alphanumeric-cluster in the same way as the second alphanumeric-cluster is related to the first alphanumeric-cluster and the fourth alphanumeric-cluster is related to the third alphanumeric-cluster.

I81 : K121 :: D16 : F36 :: O225 : ?

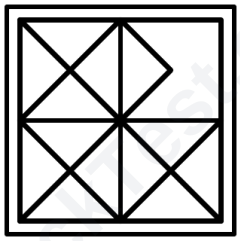
(a) P256
(b) P265
(c) Q289
(d) R324

Q5. Select the option in which the given figure is embedded. (Rotation is not allowed)

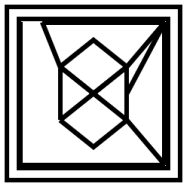
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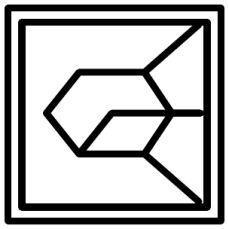
(a)



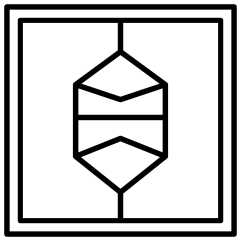
(b)



(c)



(d)



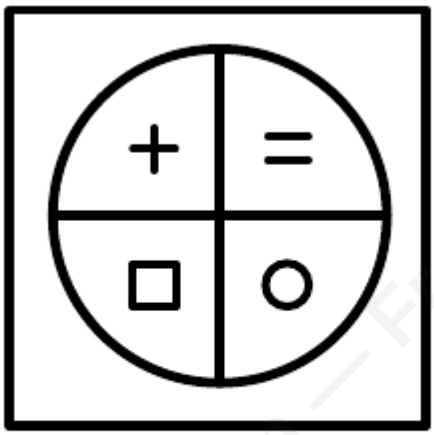
Q6. Which two digits should be interchanged in the given equation to make it mathematically correct?

20 ÷ 7 × 2 + 5 − 3 = 12

(a) 2 and 3
(b) 7 and 5
(c) 7 and 2
(d) 2 and 5

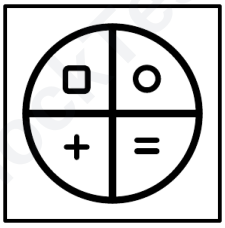
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Q7. Select the correct mirror image of the given figure when the mirror is placed at line AB as shown.

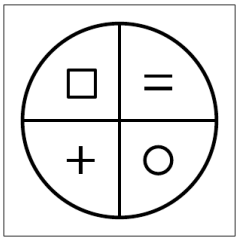




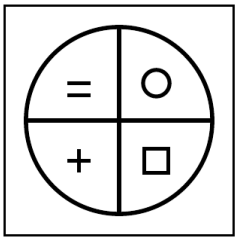
(a)



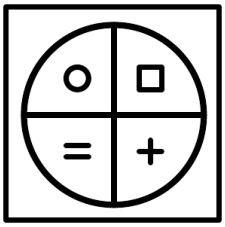
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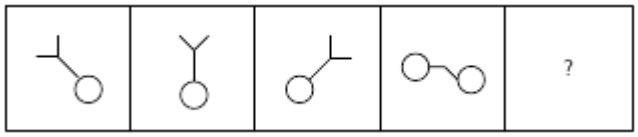
(c)



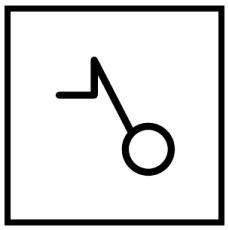
(d)



Q8. Select the figure from among the given options that can replace the question mark (?) in the following series.



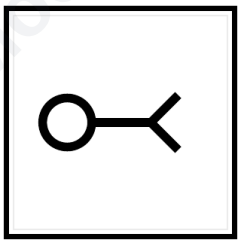
(a)



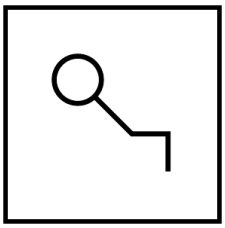
(b)



(c)

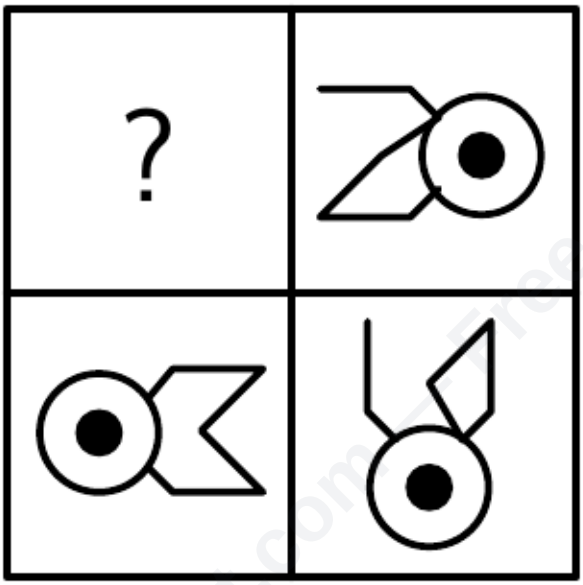


(d)



Q9. Select the figure from the options that can replace the question mark (?) and complete the given pattern.

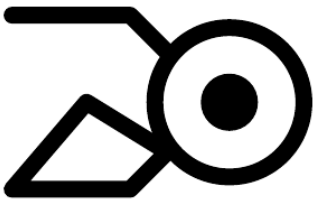
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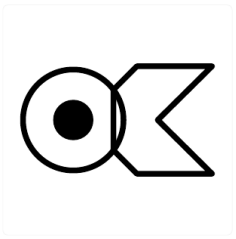
(a)



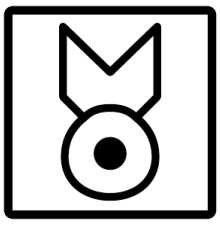
(b)



(c)



(d)



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Q10. 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 X are B.

II. Some Y are X.

Conclusions:

I. Some B are Y.

II. Some B are X.

III. Some X are Y.

(a) Only conclusions II and III follow
(b) Only conclusion II follows
(c) Only conclusion III follows
(d) Only conclusions I and II follow

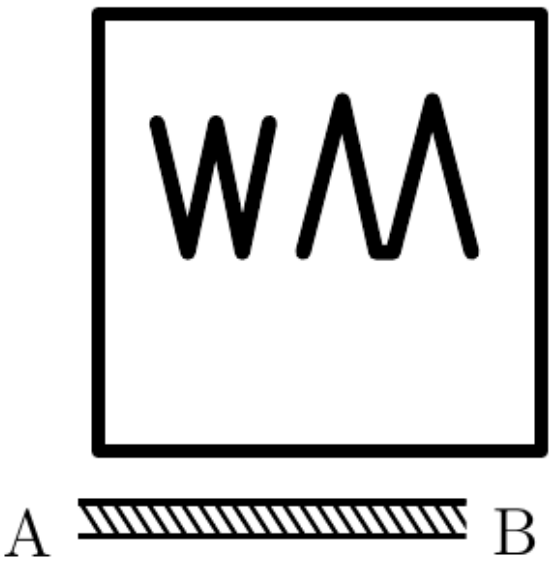
Q11. Seven girls — A, B, C, D, E, F and G are sitting in a straight row, facing the North (but not necessarily in the same order). D sits third to the right of C, who sits at second position from the left end. E is the immediate neighbour of B and C. G sits to the left of C. A sits at second position from the right end. Which of the following statements is true?

(a) F sits at the extreme left end.
(b) B sits exactly between D and A.
(c) F sits at the extreme right end.
(d) E sits to the immediate left of D.

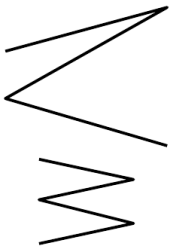
Q12. In a certain code language, 'TRAIN' is coded as '14911820' and 'POLIT' is coded as '209121516'. How will 'SHNKE' be coded in that language?

(a) 51114819
(b) 5114819
(c) 51114919
(d) 51411819

Q13. Select the correct mirror image of the given combination when the mirror is placed at line AB as shown.



(a)



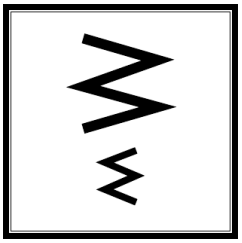
(b)



(c)



(d)



Q14. Select the option that will replace the question mark (?) in the given series.

48, 52, 61, 77, 102, ?

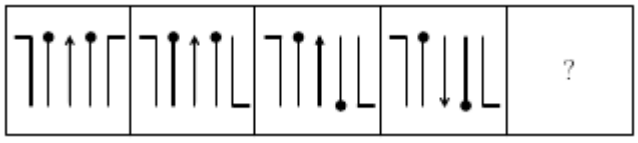
(a) 148
(b) 238
(c) 138
(d) 128

Q15. Select the option in which the words share the same relationship as that shared by the given pair of words.

Desert : Sand

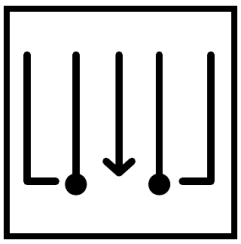
(a) Sea : Water
(b) River : Ship
(c) Mud : Forest
(d) Respiration : Air

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

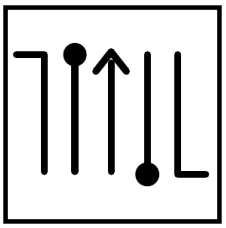


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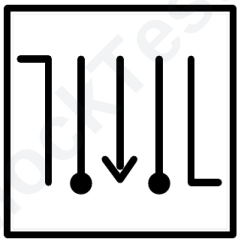
(a)



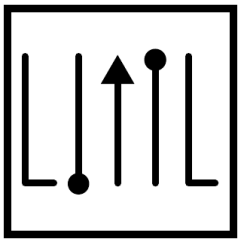
(b)



(c)



(d)



Q17. In a certain code language, 'BOOK' is coded as '47', and 'PEN' is coded as '38'. How will 'NOTEPAD' be coded in that language?

(a) 84
(b) 82
(c) 75
(d) 80

Q18. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

TANK : NATK :: ?

(a) KORB : ROBK
(b) LEFT : ELFT
(c) PING : NIPG
(d) SAMP : AMSP

Q19. 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.

63 : 36 :: 94 : 49 :: 81 : ?

(a) 18
(b) 54
(c) 36

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(d) 44

Q20. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

ZC, XF, VI, TL, ?

(a) RO
(b) RQ
(c) LQ
(d) KO

Q21. Seven friends A, B, C, D, E, F and G study in the same college. F and G are second eldest and eldest respectively, between them. E is elder than only A and C. D is the fourth eldest. A is not the youngest. How many friends are older than E?

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

Q22. Read the given statements and conclusions carefully. Assuming that the information given in the statements are true even if they seem to be at variance from commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement:

I. No F is A.

II. No A is K.

Conclusion:

I. Some F's are not K.

II. Some K's are not A.

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

Q23. Numbers given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing number pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

1331 : 11 :: ?

(a) 2197 : 13
(b) 10 : 1000
(c) 3375 : 14
(d) 1728 : 15

Q24. If JPG = 19 and PNG = 23, then TIF = ?

(a) 23
(b) 20
(c) 15
(d) 13

Q25. 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 the fourth number is related to the third number.

3462 : 2250 :: 4424 : 3212 :: 2424 : ?

(a) 1221
(b) 1122
(c) 2211
(d) 1212

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NUMERICAL APTITUDE

Q26. Rs. 4,500 is divided among four friends in the ratio of 1/6 : 1/4 : 1/3 : 1/2. What is the amount received by the person who got the smallest share?

(a) Rs. 1,100
(b) Rs. 600
(c) Rs. 500
(d) Rs. 800

Q27. A hemispherical bowl of radius 30 cm is filled with water by using a cylindrical glass. If the water from the cylindrical glass is poured 72 times to fill the bowl completely and the height of the glass is 10 cm, then what is the base radius of the cylindrical glass?

(a) 7.5 cm
(b) 8 cm
(c) 5 cm
(d) 6 cm

Q28. Reema went to a shopping mall to buy a gift. She saw a shop giving successive discounts of 50% and 30%, and from there selected a gift whose MRP was Rs. 1,700. How much did Reema have to pay to buy the gift?

(a) Rs. 255
(b) Rs. 850
(c) Rs. 340
(d) Rs. 595

Q29. A batsman scored 120 runs, which included 4 sixes and 6 fours. What percentage of his total score did he make by running between the wickets (runs that were scored only by running between the wickets and not by hitting fours and sixes)?

(a) 30%
(b) 50%
(c) 60%
(d) 40%

Q30. Find the smallest number which when divided by 19 and 23 gives remainders of 13 and 17, respectively.

(a) 419
(b) 429
(c) 431
(d) 437

Q31. A solid copper sphere of radius 6 cm is melted and redrawn into a wire, whose radius of cross-section is 8 cm. Find the length of the wire.

(a) 9 cm
(b) 2.25 cm
(c) 4.5 cm
(d) 6 cm

Q32. The average age of a husband and his wife 3 years ago was 39 years. The average age of the husband, wife and their child 2 years hence will be 34 years. Find the present age of the child.

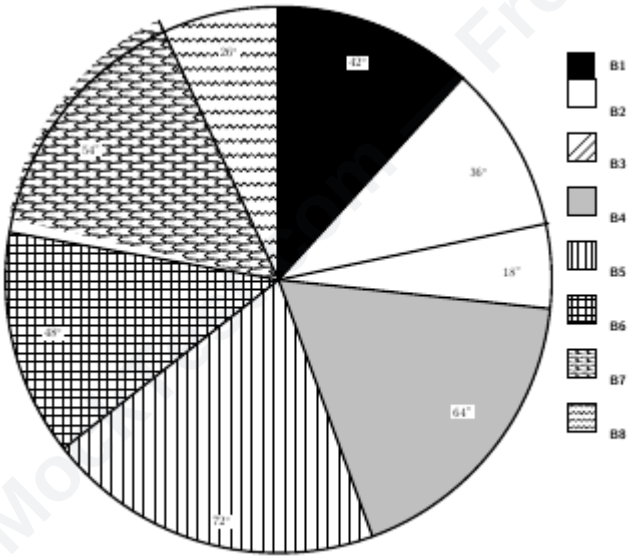
(a) 12 years
(b) 16 years
(c) 15 years
(d) 18 years

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Q33. The selling price of an article is four times of its cost price. If the selling price is reduced by Rs. 300, then the profit becomes 250%. What is the cost price of the article?

(a) Rs. 400
(b) Rs. 450
(c) Rs. 800
(d) Rs. 600

Q34. The following pie chart gives the measures of the central angles of the sectors that reflect the number of questions in each of 8 different books with respect to the total number of questions in these 8 books taken together.



If the number of questions in the books B3 and B6 taken together is 165, then what is the total number of questions in the 8 books taken together?

(a) 800
(b) 850
(c) 750
(d) 900

Q35. A beats B by 10 m in a 100 m race. B beats C by 10 m in a 100 m race. By what distance will A beat C in a 100 m race?

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

Q36. The marks obtained by 5 children in a test are as follows: 12, 14, 8, 10 and 16. What is the average marks obtained by these 5 children?

(a) 11
(b) 14
(c) 10
(d) 12

Q37. In a mixture, water and milk are in the ratio of 2 : 3. What is the amount of water that is to be added to 20 kg of this mixture to make the ratio of water and milk in the new mixture 1 : 1?

(a) 3 kg
(b) 2 kg
(c) 4 kg
(d) 5 kg

Q38. If a sum triples in 4 years at simple interest, find the time that it would take to become 5 times itself at the same rate of interest.

(a) 6 years
(b) 8 years
(c) 5 years
(d) 3 years

Q39. The perimeter of a square is 36 cm. What is the length of each side of this square?

(a) 9 cm
(b) 6 cm
(c) 8 cm
(d) 12 cm

Q40. Train P crosses train Q completely in 45 seconds, while running in opposite directions. The lengths of train P and train Q are 1200 metres and 1500 metres, respectively. The speed of train Q is 144 km/h. In how much time can train P cross an 1800-metre long platform?

(a) 180 seconds
(b) 175 seconds
(c) 120 seconds
(d) 150 seconds

Q41. If 20 men can complete a piece of work in 18 days working 5 hours per day, in how many days can 25 men complete it, working 6 hours per day?

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

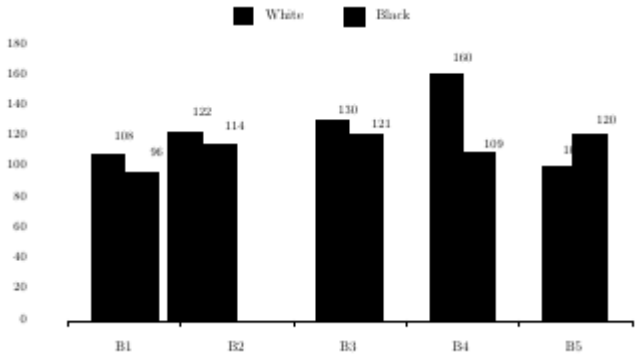
Q42. What is the value of [0.7 × 0.4 ÷ (0.28 - 0.2 × 0.3) + 1.2 × 1.6]?

(a) 878/275
(b) 1161/550
(c) 1273/550
(d) 971/275

Q43. What is the approximate rate of simple interest per annum, if a sum of money becomes 6 times of itself in 15 years?

(a) 30%
(b) 2.5%
(c) 33.33%
(d) 25%

Q44. The following bar chart shows the numbers of white and black cars sold of 5 different brands in a city during a given year.



X = Average number of black cars sold per brand.

Y = Average number of white cars sold per brand.

What is the value of Y - X?

(a) 20
(b) 18
(c) 12
(d) 16

Q45. The following table shows the number of watches of 5 brands sold by two showrooms.

	Showroom 1	Showroom 2
Brand 1	60	35
Brand 2	55	75
Brand 3	75	50
Brand 4	48	62
Brand 5	52	38

M = per brand average number of watches sold from Showroom 1

What is the ratio of the number of watches of Brand 3 sold from Showroom 2 to M?

(a) 27 : 31
(b) 28 : 37
(c) 25 : 29
(d) 26 : 33

Q46. The lengths of the three sides of a triangle are in the ratio of 2 : 2 : 3. If the perimeter of the triangle is 42 cm, then what is the length of the largest side?

(a) 12 cm
(b) 18 cm
(c) 20 cm
(d) 15 cm

Q47. The price of a certain item is increased by 4%. If the price of the item after the increase is Rs. 832, then what was the original price of the item?

(a) Rs. 800
(b) Rs. 812
(c) Rs. 900
(d) Rs. 940

Q48. If an article is sold at a 6% profit instead of a 6% loss, the seller gets Rs. 60.72 more. Find the CP of the article?

(a) Rs. 506
(b) Rs. 606
(c) Rs. 572
(d) Rs. 672

Q49. What is the value of (1/2×1/24÷1/36+1/48-1/60)/(1/12+1/24+1/36×1/6) ?

(a) 1841/119
(b) 1629/280
(c) 1131/124
(d) 733/145

Q50. J1 can do a piece of work alone in 10 days, J2 can do the same work alone in 12 days, while J3 can do it alone in 15 days. They work together and complete the work, and receive a total of Rs. 2,250 for doing the work. What is the difference in the shares of J1 and J3?

(a) Rs. 450
(b) Rs. 400
(c) Rs. 300

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(d) Rs. 350

GENERAL ENGLISH

Q51. 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'.

It is a story about Mr. and Mrs. Ansari, who had look to rent an apartment in the city.

(a) is looking to
(b) No substitution required
(c) were looking for
(d) were looking to

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

Innate

(a) Learnt
(b) Inured
(c) Inane
(d) Inherent

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

It was raining cats and dogs when I reached there.

(a) Lots of appreciation
(b) To rain very heavily
(c) Not raining at all
(d) Place full of animals

Q54. Select the most appropriate meaning of the given idiom.

Ignorance is bliss

(a) To gain attention and be the topic of conversation
(b) To remain ignorant of things that may cause stress
(c) To want something that has been denied
(d) To have rage underneath a calm expression

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

The expression of a wish that misfortune or doom befall a person

(a) Curse
(b) Praise
(c) Blessing
(d) Oath

Q56. 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 students looked confused, / so the teacher / explain the topic again.

(a) explain the topic again
(b) so the teacher
(c) No error
(d) The students looked confused

Q57. Select the most appropriate ANTONYM of the underlined word in the given sentence.

It is important to verify the credibility of an online master's program.

(a) serenity
(b) improbability
(c) integrity
(d) accuracy

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Q58. Select the most appropriate option to fill in the blank.

The girl ran into the house to get some _____ of bread, cold potatoes and other such morsels as were suitable for the fowls.

(a) heaps
(b) shells
(c) crumbs
(d) bars

Q59. Select the most appropriate option to fill in the blank.

Your district is exposed to _____ and also to destructive floods.

(a) draught
(b) dot
(c) drought
(d) draft

Q60. Select the correctly spelt word.

(a) Monotanous
(b) Meticulious
(c) Narrative
(d) Exilerate

Q61. Select the correctly spelt word.

(a) Privelege
(b) Indispensable
(c) Persaverance
(d) Inadvertant

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

Officials said thousands of office-goers were _____ the Metro, and the trains were running full during peak hours.

(a) fasting
(b) running
(c) taking
(d) adapting

Q63. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Your doctor will recommend a treatment based to the types of infection.

(a) basing of the type
(b) bases to the types
(c) No improvement required
(d) based on the type

Q64. Select the most appropriate ANTONYM of the given word.

Frail

(a) Unreliable
(b) Fresh
(c) Robust
(d) Fragile

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

Luxuriant

(a) Meagre
(b) Sparse
(c) Flourishing

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(d) Combative

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

Sun Tzu says that _____ the enemy without battle requires greater skill than winning on the battlefield.

(a) defeated
(b) defeating
(c) in defeating
(d) defeat

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

A place for ammunition and weapons

(a) Arena
(b) Abattoir
(c) Arsenal
(d) Aviary

Q68. 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.

One of the most important tasks in agriculture is turning the soil and loosening it.

(a) No error
(b) the soil and loosening it
(c) in agriculture is turning
(d) One of the most important tasks

Q69. 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.

As a game, astrology and / its predictions of fate / and personality can being fun.

(a) No error
(b) its predictions of fate
(c) and personality can being fun
(d) As a game, astrology and

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

Property left to someone by a will

(a) Prophecy
(b) Legacy
(c) Alimony
(d) Windfall

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.

More (1) ____ half the States (2) __ Union Territories, including Covid-19 hotspots Maharashtra and Tamil Nadu, have not yet decided on a date (3) __ reopening schools, the Centre was told at a meeting. The remaining States are split between those (4) __ to reopen in August, (5) ____ include Delhi and Bihar, and others who will not open until September, such as Andhra Pradesh, Karnataka and Kerala.

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

(a) where
(b) than
(c) then
(d) when

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

(a) though
(b) yet
(c) or
(d) and

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

(a) at
(b) since
(c) for
(d) from

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

(a) willing
(b) will
(c) wills
(d) willed

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

(a) whom
(b) which
(c) whose
(d) what

GENERAL AWARENESS

Q76. Who among the following was one of the founders of the Deccan Education Society (1884)?

(a) Dadoba Pandurang
(b) V R Shinde
(c) Tulsi Ram
(d) G G Agarkar

Q77. Who became the Chief Minister of Punjab after the 2022 state elections?

(a) Bhagwant Mann
(b) Sukhbir Singh Badal
(c) Charanjit Singh Channi
(d) Raghav Chadha

Q78. Who among the following founded the Mohammedan Anglo-Oriental college?

(a) Sri Aurobindo
(b) Mohammad Ali Jinnah
(c) Khan Abdul Ghaffar Khan
(d) Sir Syed Ahmad Khan

Q79. One Astronomical Unit and one Parsec are units of _____.

(a) current
(b) mass
(c) length
(d) volume

Q80. _____ was the first Indian woman to become the president of the Indian National Congress.

(a) Sarojini Naidu
(b) Aruna Asaf Ali
(c) Sucheta Kripalani
(d) Ashalata Sen

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Q81. Sonal Mansingh was awarded the Sangeet Natak Akademi Award in 1987. She is a trained _____ dancer.

(a) Manipuri
(b) Kuchipudi
(c) Odissi
(d) Bihu

Q82. As per Census 2011, what is the female literacy rate of India (provide an approximate range)?

(a) 80-89%
(b) 70-79%
(c) 60-69%
(d) 50-59%

Q83. Which cultural festival of India held at Shilpgram, is a ten day feast of classical dances, folk art and light music?

(a) Taj Mahotsav
(b) Natyanjali Utsav
(c) Nishagandhi Festival
(d) Mamallapuram Utsav

Q84. Which of the following is NOT a part of Buddhist stupas?

(a) Harmika
(b) Gopura
(c) Anda
(d) Chhatra

Q85. With which of the following countries does India NOT share a land border?

(a) Bangladesh
(b) China
(c) Myanmar
(d) Sri Lanka

Q86. Which ancient Indian sport pits crowds of brave young men against angry bulls?

(a) Kho-Kho
(b) Jallikattu
(c) Kabaddi
(d) Mallakhamb

Q87. In which year was the Border Roads Organisation established?

(a) 1954
(b) 1966
(c) 1960
(d) 1958

Q88. The Pradhan Mantri Garib Kalyan Anna Yojana has been approved extension by the Union Cabinet till:

(a) January 2023
(b) October 2022
(c) September 2022
(d) November 2022

Q89. Pt Hariprasad Chaurasia is a well-known:

(a) tabla-player
(b) sitarist
(c) vocalist
(d) flutist

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Q90. Since which year did the IPL start?

(a) 2010
(b) 2007
(c) 2008
(d) 2009

Q91. As of 2021, Which is the only country in the world that has both tigers and lions?

(a) Tanzania
(b) India
(c) Mexico
(d) South Africa

Q92. Rajya Sabha is chaired by ____ whereas Lok Sabha is chaired by ____.

(a) President, Prime Minister
(b) Vice President, Speaker
(c) Speaker, Vice-President
(d) Vice - President, Prime minister

Q93. Which of the following is NOT a polar animal?

(a) Ringed seals
(b) Musk oxen
(c) Lemur
(d) Walrus

Q94. Which of the following statements is/are correct?

I. Amoeba ingests its food with the help of pseudopodia.
II. Amoeba constantly changes its shape and position.

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

Q95. In 1526, Babur defeated the Sultan of Delhi, Ibrahim Lodi, at _____ and captured Delhi and Agra.

(a) Mathura
(b) Malwa
(c) Lahore
(d) Panipat

Q96. Which of the following cell organelles is also known as the ‘suicide bag’ of a cell?

(a) Lysosome
(b) Ribosome
(c) Vacuole
(d) Mitochondria

Q97. The Parliament while in session begins with a _____.

(a) zero hour
(b) recess
(c) question hour
(d) calling attention motion

Q98. Kuchipudi is a classical dance form of which Indian state?

(a) Kerala
(b) Karnataka
(c) Tamil Nadu
(d) Andhra Pradesh

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Q99. Which of the following is an asset that the borrower owns (such as land, building, vehicle, livestocks, deposits with banks) and uses this as a guarantee to a lender until the loan is repaid?

(a) Frills
(b) Lease
(c) Collateral
(d) Credit

Q100. Who is the author of 'Anna Karenina'?

(a) Gabriel Garcia Marquez
(b) EM Forster
(c) George Eliot
(d) Leo Tolstoy

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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