SSC MTS (2022) Official Paper (Held On: 20 Jun, 2023 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 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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SESSION 1

Q1. The length, breadth, height of a room is 6 m, 4 m 80 cm and 3 m 60 cm respectively. Find the longest tape which can measure the dimensions of the room exactly.

(a) 1 m 80 cm
(b) 1 m 20 cm
(c) 1 m 40 cm
(d) 1 m 50 cm

Q2. Shivam purchased two watches, first for Rs. 12000 and the second for Rs. 16000. He sold both the watches, first one at the profit of 10 percent and the second at a loss of 10 percent. What is the overall profit or loss?

(a) Profit = Rs. 200
(b) Loss = Rs. 800
(c) Loss = Rs. 400
(d) Profit = Rs. 600

Q3. On a shelf, books with white cover and that with orange cover are in the ratio 12 : 21. If there are 945 books with orange cover, then the number of books with white cover is:

(a) 540
(b) 840
(c) 645
(d) 1485

Q4. If A can do 20 percent of a work in 6 days, then A can complete the entire work in how many days?

(a) 30 days
(b) 60 days
(c) 25 days
(d) 15 days

Q5. Convert 1.3 kilometres per hour into metre per seconds.

(a) 14/48 m/s
(b) 13/65 m/s
(c) 11/54 m/s
(d) 13/36 m/s

Q6. In an examination out of 6000 students 60% boys and 90% girls are passed. If total pass percentage was 65%, then what would be the number of boys?

(a) 5500
(b) 4500
(c) 5000
(d) 3500

Q7. The table given below shows the number of runs scored and number of balls played by 5 batsmen.

Batsman	No. of runs scored	No. of balls palyed
P	70	25
Q	80	60
R	90	50
S	110	160
T	40	40

Strike rate = (Number of runs scored)/(Number of balls played) × 100

Which of the batsman has the highest strike rate?

(a) P
(b) R
(c) S
(d) Q

Q8. The ratio of copper and zinc in brass is 7 : 3. How much amount of copper will be there in 200 kg of brass?

(a) 60 kg
(b) 120 kg
(c) 140 kg
(d) 160 kg

Q9. The sum of the length and breadth of a cuboid is 40 cm. If the height of the cuboid is 1/5 of the sum of its length and breadth, then what is the lateral surface area of the cuboid?

(a) 640 cm^2
(b) 580 cm2
(c) 320 cm2
(d) 720 cm2

Q10. Rohan borrows a certain sum at simple interest. Rate of interest is 3 percent per annum for first 3 years, 4 percent per annum for next 5 years and 6 percent per annum for next 7 years. If he paid Rs. 2485 as interest, then what is the sum borrowed?

(a) Rs. 3500
(b) Rs. 4000
(c) Rs. 3600
(d) Rs. 2500

Q11. Find compound interest on Rs 165400 at 5% per annum for 4 years, compounded annually.

(a) Rs. 34564.98
(b) Rs. 54367.6
(c) Rs. 34527.87
(d) Rs. 35644.73

Q12. If 60 percent of P = (6/7) of Q, then what is P : Q?

(a) 10 : 7
(b) 18 : 5
(c) 17 : 19
(d) 9 : 5

Q13. Find the value of X for {15 × 32 ÷ 2 × 5} ÷ X = 16

(a) 55
(b) 78
(c) 75
(d) 76

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Q14. A trader mixes 20 kg of rice at Rs. 30 per kg with 20 kg of rice of other variety at Rs. 30 per kg and sells the mixture at Rs. 33 per kg. His profit percent is:

(a) 10%
(b) 20%
(c) 18%
(d) 12%

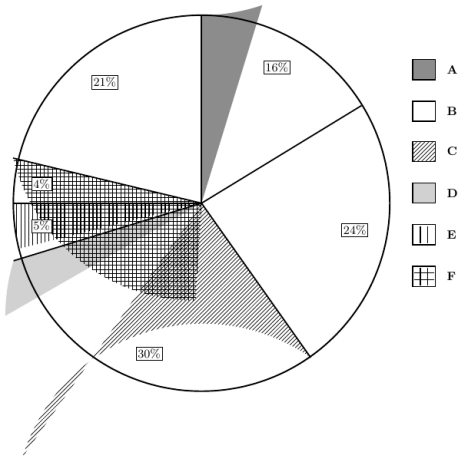
Q15. The perimeter of a rectangle is 30 cm. If the length of the rectangle is twice of its breadth, then what is the length of its diagonal?

(a) 3 √2 cm
(b) 5 √4 cm
(c) 5 √5 cm
(d) 4 √5 cm

Q16. What is the value of (13×14+25×14-38×14)/(14 of 2-7) ?

(a) 14
(b) 0
(c) 7
(d) 1

Q17. The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories is 1400. The production of a particular factory is shown as a percent of total production of all these 6 factories.



Which of the following statement correct?

I. The central angle formed by sectors A and C together is 156.6°.

II. The central angle formed by sector B, D and together F is 180°.

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

Q18. A car covers 3 successive 2 km stretches at speed of 20 km/hr, 40 km/hr and 60 km/hr respectively. Its average speed is:

(a) 40.50 km/hr
(b) 42.12 km/hr
(c) 38.56 km/hr
(d) 32.72 km/hr

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Q19. P alone can do a work in 10 days, Q alone can do the same work in 15 days and R alone can do the same work in 12 days. They jointly complete the work and earn Rs. 3000. What is the share of R?

(a) Rs. 1000
(b) Rs. 1200
(c) Rs. 1500
(d) Rs. 800

Q20. Pankaj purchases a watch for Rs. 1000. He sells the watch at a discount of 20 percent and earns a profit of 40 percent. What is the marked price of the watch?

(a) Rs. 1980
(b) Rs. 1750
(c) Rs. 1880
(d) Rs. 1640

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

U39R : P118M :: F18A : ? :: G72K : B217F

(a) B55U
(b) A55W
(c) C55V
(d) A55V

Q22. Select the option that is related to the third number in the same way as the second number is related to the first number.

65 : 5 :: 117 : ?

(a) 6
(b) 9
(c) 4
(d) 7

Q23. In a certain code language, 'NUMBER' is coded as 'UNBMRE'. What is the code for 'CANCER' in that code language?

(a) ACCNRE
(b) ACCMRE
(c) BCCNRE
(d) ACCNER

Q24. Which of the following numbers will replace the question mark (?) in the given series?

63, 67, 75, 87, 103, ?

(a) 123
(b) 125
(c) 124
(d) 121

Q25. Six girls Mansi, Shweta, Monika, Payal, Aarti and Kajal are sitting in a row facing towards north (not necessarily in the same order). Shweta is second to the left of Aarti. Payal is second to the right of Kajal. Kajal is second to the right of Monika. Kajal is to the immediate left of Shweta.

Who is sitting to the immediate left of Aarti?

(a) Kajal
(b) Payal
(c) Shweta
(d) Mansi

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Q26. Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All chains are circle.

No chain is square.

Conclusions:

I. Some circles are square.

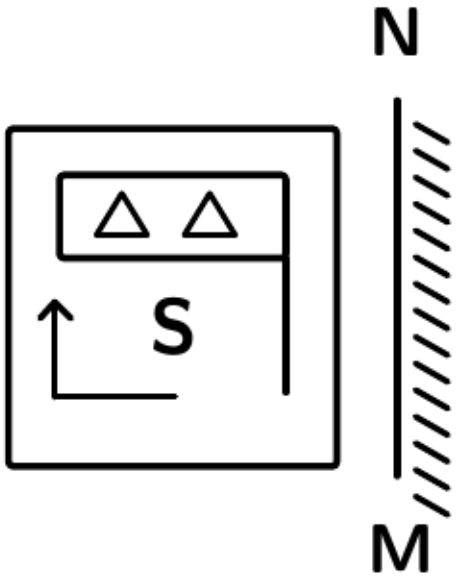
II. Some circles are chains.

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

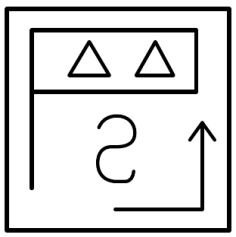
Q27. In an examination hall seven students Ankit, Chotu, Jitin, Kejal, Nitu, Piyush, and Saksham are sitting in a row facing North but not necessarily in the same order. Chotu sits third to the right of Saksham. Ankit and Piyush are immediate neighbours of Chotu. More than two persons sit between Piyush and Saksham. Jitin is the only neighbour of Nitu. Jitin sits to the right of Ankit. What is the position of Nitu with respect to Kejal?

(a) Fifth to the left
(b) Third to the left
(c) Third to the right
(d) Fifth to the right

Q28. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

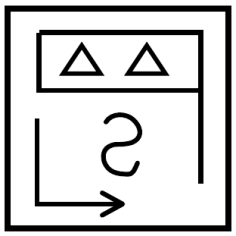


(a)

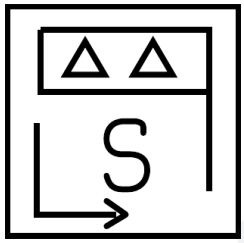


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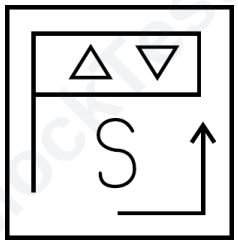
(b)



(c)



(d)



Q29. In a certain code language, 'ABOUT' is written as '12632'. How will 'GRACE' be written in that language?

(a) 71953
(b) 79153
(c) 79154
(d) 79135

Q30. Which of the following numbers will replace the question mark (?) in the given series?

117, 110, 106, 99, 95, 88, 84, ?

(a) 59
(b) 47
(c) 93
(d) 77

Q31. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 Operations on 13 such as adding/subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

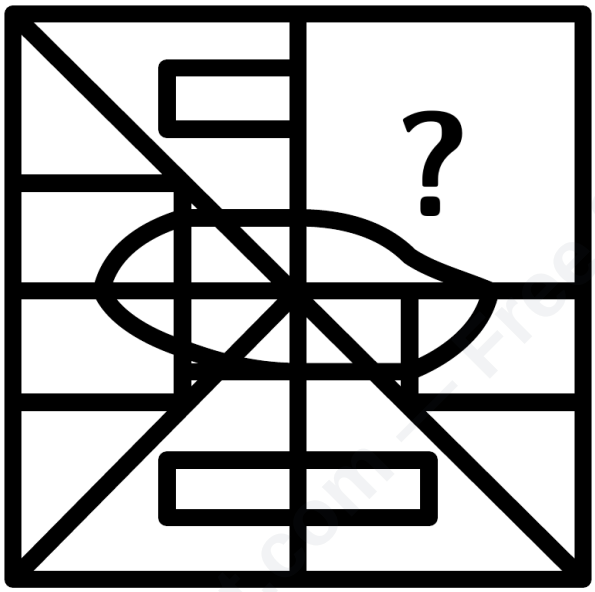
(10, 6, 32)

(20, 8, 56)

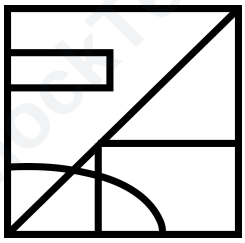
(a) (14, 18, 60)
(b) (12, 14, 54)
(c) (20, 16, 64)
(d) (18, 12, 60)

Q32. Which answer figure will complete the pattern in the question figure?

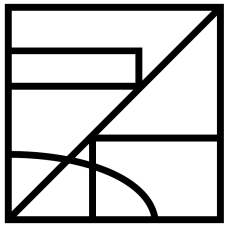
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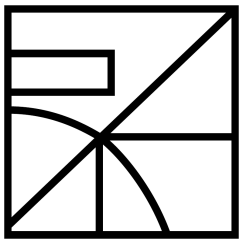
(a)



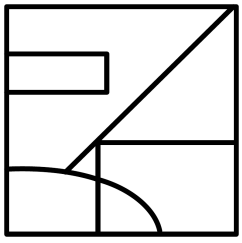
(b)



(c)



(d)



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Q33. By interchanging the given two signs which of the following equation will be not correct?

• and ÷

I. 9 ÷ 6 × 4 + 2 - 5 = 16

II. 5 - 28 + 7 × 16 ÷ 4= -103

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

Q34. Which of the following letter cluster will replace the question mark (?) in the given series?

TX, XB, BF, FJ, ?

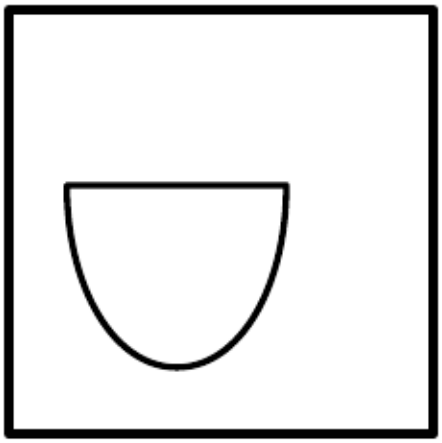
(a) KM
(b) JM
(c) JN
(d) KN

Q35. Which two numbers should be interchanged to make the given equation correct?

1 × 4 + 3 - 5 = 6

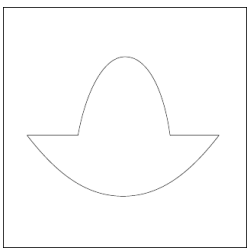
(a) 1 and 5
(b) 4 and 5
(c) 5 and 3
(d) 3 and 6

Q36. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



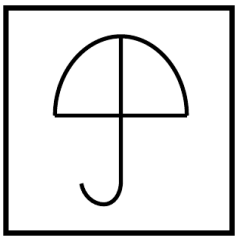
X

(a)

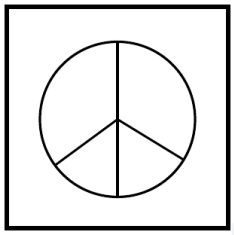


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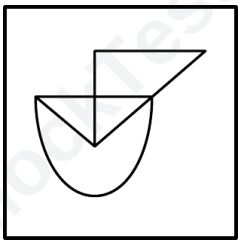
(b)



(c)



(d)



Q37. Select the option that is related to the third word in the same way as the second word is related to the first word.

Hooghly : Kolkata :: Ganga : ?

(a) Patna
(b) Bangalore
(c) Ayodhya
(d) Chennai

Q38. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. No X is S.

II. All J are X.

Conclusions:

I. Some S are not X.

II. Some J are not S.

III. Some J are not X.

(a) Only conclusion I follows
(b) Both conclusions I and III follows
(c) Both conclusions I and II follows
(d) Neither conclusion follows

Q39. Seven students, Annie, Billy, Carrie, Disha, Esha, Faisal, and Gayatri scored different marks. Disha scored more than Faisal who scored second best. Three students have scored between Carrie and Faisal. Gayatri has scored less than Carrie. Who has scored the least?

(a) Gayatri
(b) Annie
(c) Faisal

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(d) Esha

Q40. In a certain code language, 'WORLD' is written as 'VNQKC'. How will 'FAINT' be written in that language?

(a) DMOHC
(b) EZHMS
(c) EZMFS
(d) DHBLH

SESSION 2

Q41. BPL is an economic benchmark related to threshold income. What does "BPL" stand for?

(a) Below Poverty Line
(b) Base Price Line
(c) Below Price Line
(d) Base Poverty Line

Q42. Which is the smallest planet of our solar system?

(a) Earth
(b) Mars
(c) Mercury
(d) Venus

Q43. Gugga dance is a traditional folk dance of which of the following state?

(a) Haryana
(b) Tamil Nadu
(c) Kerala
(d) Assam

Q44. Which of the following is NOT one of the harvest festivals celebrated in India?

(a) Baisakhi
(b) Diwali
(c) Lohri
(d) Onam

Q45. In October 2022, who became the first Indian-origin Prime Minister of UK?

(a) Neel Kashkari
(b) Harry Anand
(c) Rishi Sunak
(d) Kamala Harris

Q46. Which caves are considered as the oldest surviving rock-cut caves in India dating back to the Maurya period?

(a) Elephanta Caves
(b) Bagh Caves
(c) Barabar and Nagarjuni caves
(d) Ajanta and Ellora Caves

Q47. Budhaditya Mukherjee is associated with which of the following musical instruments?

(a) Veena
(b) Sarangi
(c) Violin
(d) Sitar

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Q48. Provisions related to the Panchayats are mentioned in which part of the Indian constitution?

(a) Part VII
(b) Part V
(c) Part XII
(d) Part IX

Q49. After the Battle of Plassey 1757, who from the British East India Company, became Baron of Plassey?

(a) Robert Clive
(b) John Lawrence
(c) Warren Hastings
(d) Charles Napier

Q50. How many General Elections to the Lok Sabha have been held till November 2022?

(a) 13
(b) 10
(c) 17
(d) 24

Q51. Which class of algae is commonly known as green algae?

(a) Phaeophyceae
(b) Rhodophyceae
(c) Desmids
(d) Chlorophyceae

Q52. Which of the following books was written by Swami Vivekananda?

(a) The East and the West
(b) Ancient India
(c) No secrets
(d) River of Smoke

Q53. If the value of gross fiscal deficit will be more than net interest liabilities, the value of gross primary deficit will be _____.

(a) Zero
(b) Infinity
(c) Positive
(d) Negative

Q54. Who among the following succeeded Ghatotkacha, the Gupta ruler?

(a) Chandragupta I
(b) Kumaragupta I
(c) Skandagupta
(d) Chandragupta II

Q55. Teejan Bai was awarded a Padma Bhushan for her art in 2003. She is a great exponent of which dance form?

(a) Ghumar
(b) Kalbelia
(c) Pandavani
(d) Chhau

Q56. Lord William Bentinck with the support of Raja Rammohan Roy abolished the practice of _____.

(a) Sati
(b) Polyandry
(c) Religion
(d) Brahmacharya

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Q57. Where is the Jawahar Lal Nehru Port located?

(a) Bhubaneswar
(b) Kolkata
(c) Chennai
(d) Navi Mumbai

Q58. Which of the following is an example of a terrestrial ecosystem?

(a) Oceans
(b) River
(c) Grasslands
(d) Ponds

Q59. The actinides series is a group of _____ metallic chemical elements.

(a) 18
(b) 12
(c) 9
(d) 15

Q60. Which of the following options does NOT constitute a national income measurement method?

(a) Expenditure method
(b) Income method
(c) Product method
(d) Credit method

Q61. The Zo-Mal-Lok folk dance is associated with which community?

(a) Lepcha community
(b) Jamatia community
(c) Chaimal community
(d) Lushai community

Q62. Ranji Trophy is affiliated with which sport?

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

Q63. As per census 2011, which among the following states has highest sex ratio?

(a) Madhya Pradesh
(b) Maharashtra
(c) Meghalaya
(d) Uttar Pradesh

Q64. With respect to sports, WADA stands for _____.

(a) World Anti-Doping Agency
(b) World Autonomous - Doping Agency
(c) Wrestling Anti-Doping Association
(d) World Anti-Doping Association

Q65. Vetti tax is the most frequently mentioned tax in the inscription of Cholas who ruled in Tamil Nadu. This tax was taken in the form of _____.

(a) land revenue
(b) grains
(c) house rent
(d) forced labour

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Q66. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

What should I doing if the power goes out?

(a) No improvement
(b) should I had done
(c) should I do
(d) shall I does

Q67. Direction: Select the most appropriate meaning of the given idiom.

For better or (for) worse

(a) Become out of control
(b) To accept whatever results; good or bad
(c) To be in trouble
(d) Extreme enthusiasm

Q68. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Most impressive / was record breaking / 75.6 FPS on Crysis.

(a) was record breaking
(b) 75.6 FPS on Crysis.
(c) Most impressive
(d) No error

Q69. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I began with writing one a week and now I do so every day.

(a) now I do so every day.
(b) No error
(c) one a week and
(d) I began with writing

Q70. Direction: Select the most appropriate word for the given group of words.

To move about from place to place aimlessly

(a) Path
(b) Meadow
(c) Meander
(d) Stream

Q71. Direction: Select the most appropriate word for the given group of words.

Disappointed and annoyed about something

(a) Surreal
(b) Contented
(c) Disgruntled
(d) Dissuade

Q72. Direction: Select the most appropriate synonym of the given word.

Advocate

(a) Justice
(b) Experience
(c) Support
(d) Forever

Q73. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Writing habit is a good and easily exercise for the brain.

(a) No error
(b) Writing habit is a

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(c) for the brain.
(d) good and easily exercise

Q74. Direction: Select the most appropriate option to fill in the blank.
Instead of the sweet taste she expected, it was _____ -like alum.
(a) aromatic
(b) dulcet
(c) bitter
(d) tenacious

Q75. Direction: Select the word from the options that is similar in meaning to the bracketed word given in the sentence below.
He is interested in how our (perceptions) of death affect the way we live.
(a) ignorance
(b) bewilderments
(c) misconceptions
(d) approaches

Q76. Direction: Select the appropriate antonym for the underlined word.
The room beneath the collapsed building was empty.
(a) finished
(b) cracked
(c) choked
(d) mended

Q77. Direction: Fill in the blank with the most appropriate option.
"What _____ your dad do at the Ministry of Magic, anyway?"
(a) have
(b) does
(c) do
(d) is

Q78. Direction: Select the wrongly spelt word.
(a) Adverse
(b) Annul
(c) Anarcy
(d) Adulterate

Q79. Direction: Select the most appropriate meaning of the given idiom.
Long in the tooth
(a) Killing of a certain ethnic or religious group on a massive scale
(b) To be old, often too old to do something
(c) Be optimistic, even difficult times will lead to better days
(d) The show has come to an end

Q80. Direction: Fill in the blank with the most appropriate option.
They were _____ there when Janvi heard something large and heavy collide with the door.
(a) much
(b) about
(c) most
(d) almost

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Q81. Direction: Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.

(The people of Philippines has voted) to elect a new president.

(a) No substitution required
(b) The people of the Philippines have voted
(c) The people of the Philippines has voted
(d) The people of Philippines have voted

Q82. Direction: Choose the word that is opposite in meaning to the given word.

Curious

(a) Passionate
(b) Uninterested
(c) Complex
(d) Doubtful

Q83. Direction: Four words are given, out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) GUAGE
(b) PRESENCE
(c) COMPARSION
(d) CAMOFLAGUE

Q84. Direction: Fill in the blank with the most appropriate option.

When we reached my room, I couldn't _____ back my smile.

(a) held
(b) kept
(c) hold
(d) squeeze

Q85. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

They will took their grandchildren to the zoo.

(a) takes their
(b) No improvement
(c) taken their
(d) take their

Directions

Direction: In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Body language ____ (1) __ ideas or thoughts by certain actions, either intentionally or unintentionally. A __ (2) __ can be a way of flirting or indicating that the party is only joking. A __ (3) __ signifies approval, while __ (4) ____ of the head indicates a negative reaction.

Other forms of non ____ (5) ____ language can be found in Braille (a system of raised dots read with the fingertips), signal flags, Morse code, and smoke signals.

Q86. Select the most appropriate option to fill in blank number 1.

(a) transmits
(b) intermits
(c) delimits
(d) retransmits

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Q87. Select the most appropriate option to fill in blank number 2.

(a) clap
(b) wink
(c) nod
(d) shake

Q88. Select the most appropriate option to fill in blank number 3.

(a) shake
(b) nod
(c) wink
(d) clap

Q89. Select the most appropriate option to fill in blank number 4.

(a) wink
(b) clap
(c) nod
(d) shake

Q90. Select the most appropriate option to fill in blank number 5.

(a) linguistic
(b) parodistic
(c) holistic
(d) logistic

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

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