SSC MTS 2024 Official Paper (Held On: 30 Oct, 2024 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2024 • 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 average monthly pocket money of Ram and Shyam is Rs. 2,460, Shyam and Manohar is Rs. 2,380 and Manohar and Ram is Rs. 2,760. Find the monthly pocket money of Ram alone.

(a) Rs. 2,048
(b) Rs. 2,840
(c) Rs. 2,408
(d) Rs. 2,480

Q2. If the diameter of a hemisphere is 14cm, then the total surface area of the hemisphere is

(a) 454 cm^2
(b) 624 cm^2
(c) 462 cm^2
(d) 554 cm^2

Q3. Three bells toll at intervals of 12, 15 and 18 minutes, respectively. If all the three bells toll together at 8 a.m., when will they toll together next?

(a) 8 a.m.
(b) 11 a.m.
(c) 3 p.m.
(d) 10 a.m.

Q4. A bag contains coins of 1 rupee, 0.5 rupee and 0.25 rupee in the ratio of 5: 6: 8. If the total amount of money in the bag is Rs. 420,find the number of coins of type1 rupee, 0.5 rupee and 0.25 rupee are:

(a) 212,232,312
(b) 210,252,336
(c) 216,252,292
(d) 208,272,352

Q5. The marked price of a washing machine is Rs. 15,000. A retailer buys it at Rs. 11,250, after getting two successive discount of 15% and another rate which is illegible. What is the second discount rate?

(a) 8frac37%
(b) 1011/13%
(c) 12frac49%
(d) 1113/17%

Q6. What will be the total surface area (in cm^2) of a right circular cone with base diameter 14 cm and height 24 cm? (Take $\pi = 22/7$)

(a) 708
(b) 704
(c) 700
(d) 712

Q7. Rahul sells an article at 8% above its cost price. If he had bought it at 5% less than what he had paid for it and sold it at Rs. 8 less, he would have gained 12%. Find the cost price of the article

(a) Rs. 650
(b) Rs. 550
(c) Rs. 700
(d) Rs. 500

Q8. If the price of a commodity is increased by 10% and 20% successively, what is the net percentage increase/decrease in its price, if it is further decreased by 25%?

(a) 1% Decrease
(b) 5% Decrease
(c) 5% Increase
(d) 1% Increase

Q9. A man travels from Town A to Town B. The following table shows the distance travelled by him in 4 hours.

Time	Up to 1 hour	Up to 2 hour	Up to 3 hour	Up to 4 hour
Distance (in km)	45	82	122	157

During his journey from Town A to Town B, in which hour does the man cover the maximum distance?

(a) 1^(st) hour
(b) 2^(nd) hour
(c) 3^(rd) hour
(d) 4^(th) hour

Q10. Find the simple interest (in Rs.) on Rs. 2000 as a sum borrowed at 8% per year rate of interest for 6 years.

(a) 1000
(b) 960
(c) 900
(d) 920

Q11. 12 solid spheres of the same size are made by melting a solid cylinder of 16 cm diameter and 4 cm height. The diameter of each sphere is:

(a) 4 × 2^(1/3) cm
(b) 6 × 2^(1/3) cm
(c) 8 × 2^(1/3) cm
(d) 12 × 2^(1/3) cm

Q12. If the average of nine numbers is 360, then what is the sum of the nine numbers?

(a) 3420
(b) 1620
(c) 40
(d) 3240

Q13. A money lender lent out Rs. 40,000 in two parts, one at 7% p.a. and the other at 6% p.a.. If the total annual simple interest on the amount is Rs. 2,550, what is the amount of money lent at 7%?

(a) Rs. 21,000
(b) Rs. 18,000
(c) Rs. 15,000
(d) Rs. 26,000

Q14. What sum (in Rs.) will earn a simple interest of Rs. 240 in 2 years at 4% per year rate of interest?

(a) 3000
(b) 1500
(c) 4000

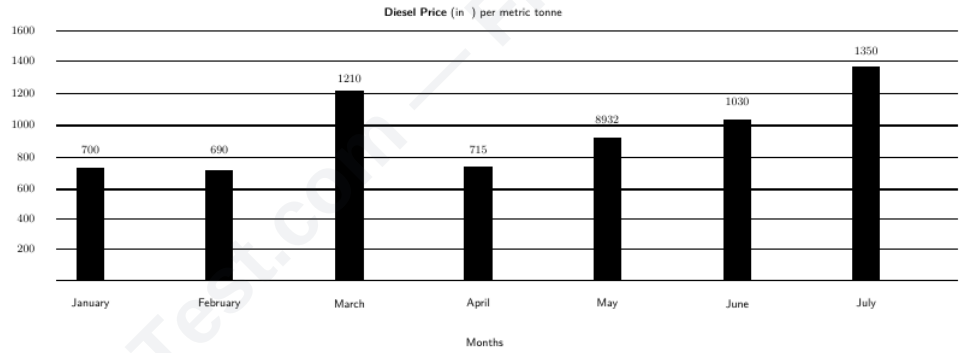
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(d) 6000

Q15. Two sections A and B of class VIII consist of 42 and 38 students, respectively. If the average marks of section A is 400 and that of section B is 320, find the average marks of the whole class.

(a) 360
(b) 576
(c) 362
(d) 310

Q16. Study the below graph carefully and answer the question.



What is the percentage increase in the price of Diesel from April to July (rounded off to one digit after decimal)?

(a) 69.5%
(b) 88.8%
(c) 76.5%
(d) 89.3%

Q17. By selling an article for Rs. 19.5, a dealer makes a profit of 25%. By how much should he increase his selling price (in Rs.) so as to make a profit of 50%?

(a) 6.9
(b) 5.9
(c) 4.9
(d) 3.9

Q18. A thief is noticed by a policeman from a distance of 400 m. The thief starts running at a speed of 8 km/h and the policeman chases him at a speed of 9 km/h. What is the distance between them after 18 minutes?

(a) 200 m
(b) 300 m
(c) 150 m
(d) 100 m

Q19. A thief seeing a policeman from a distance of 525 metres started running at a speed of 18 km/h. The policeman chased him immediately with a speed of 27 km/h. What is twice the distance covered by the policeman to catch the thief?

(a) 3175 m
(b) 3125 m
(c) 3100 m
(d) 3150 m

Q20. In Class I there are 12 students of average age 20 years, and in Class II there are 16 students of average age 23 years. What is the average age (approximately) of both the classes?

(a) 17.6 years
(b) 20.7 years
(c) 21.7 years
(d) 15.3 years

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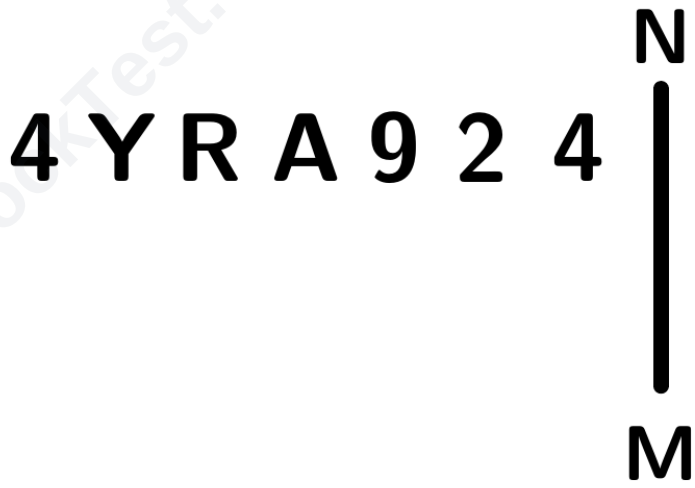
Q21. POEN is related to LKAJ in a certain way based on the English alphabetical order. In the same way, RADIUS is related to NWZEQO. To which of the following is LOGIC related, following the same logic?

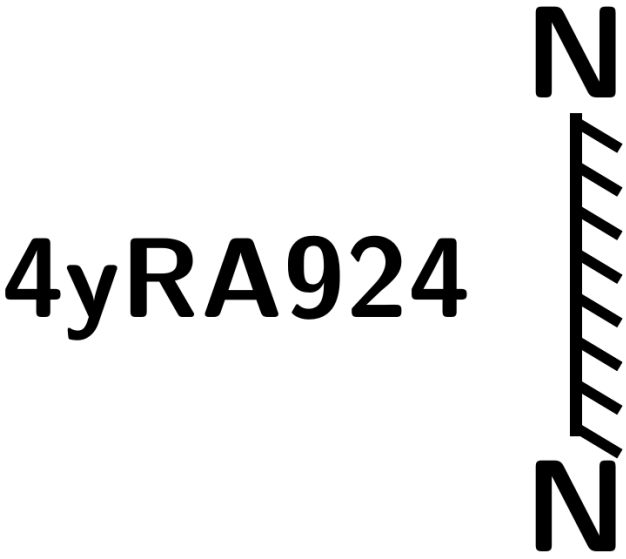
(a) HKCEY
(b) HKCFY
(c) GKCEY
(d) HGCFY

Q22. LJPN is related to SQWU in a certain way based on the English alphabetical order. In the same way, JHNL is related to QOUS. To which of the following is OMSQ related, following the same logic?

(a) VTZX
(b) TVZX
(c) TVXZ
(d) VTXZ

Q23. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.





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(a)

b 2 e v d y 4



(b)

4 S E A L Y 4



(c)

4S6A9K4

4S6ARKT

(d)

492AYR4

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492AYRA

Q24. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All doors are locks.

Some doors are keys.

Conclusions:

(i) Some locks are keys.

(ii) Some keys are doors.

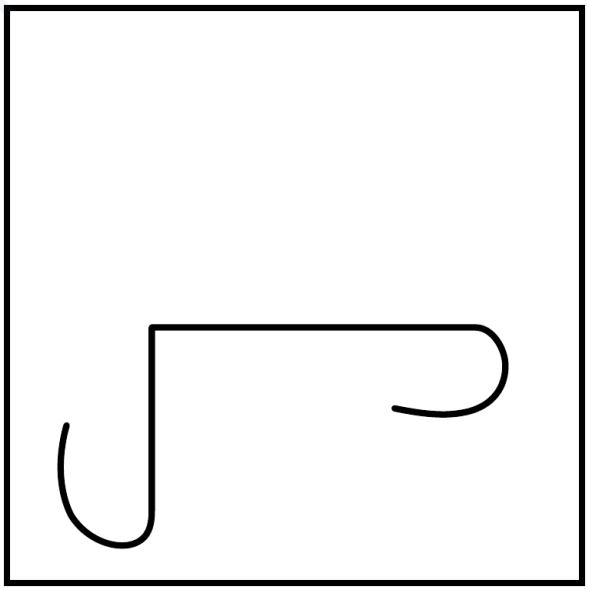
(a) Only conclusion I follows

(b) Neither conclusion I nor II follows

(c) Only conclusion II follows

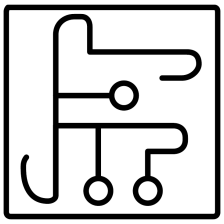
(d) Both conclusions I and II follow

Q25. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



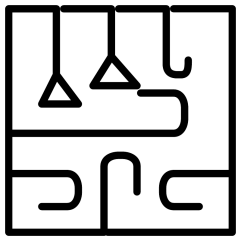
(X)

(a)

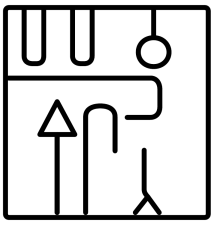


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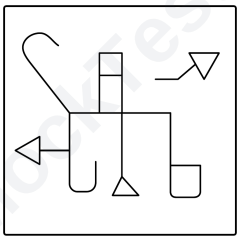
(b)



(c)



(d)



Q26. In a certain code language, ‘I like music’ is written as ‘mo ro go’ and ‘can I go’ is writtenas ‘ho mo bo’. How is ‘I’ writtenin the given language?

(a) go
(b) bo
(c) mo
(d) ho

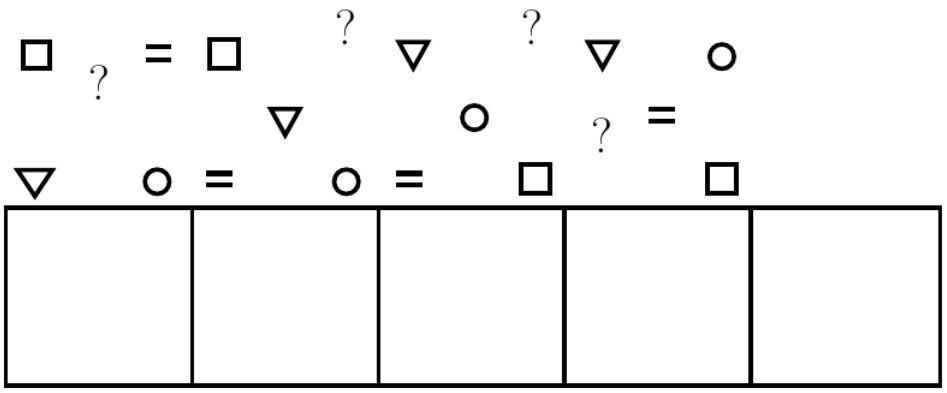
Q27. Which two numbers should be interchanged to make the following equation correct?

$9 \times 2 - (150 \div 5) + 24 + (32 \div 8) \times 6 + 15 = 71$

Note: Interchange should be done of the entire number and not individual digits of a given number

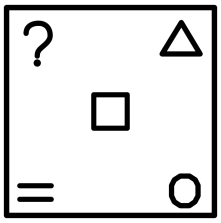
(a) 6 and 5
(b) 2 and 6
(c) 9 and 6
(d) 5 and 15

Q28. Identify the figure given in the options which when out in place of ? will logically complete the series.

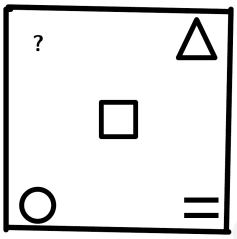


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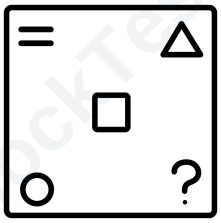
(a)



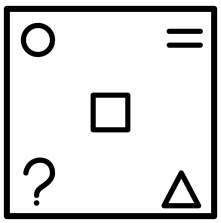
(b)



(c)



(d)



Q29. Seven colleagues (L, M, N, O, P, Q, R) are sitting around a circular meeting table, all facing towards the centre (but not necessarily in the same order). O is sitting to the immediate right of L, while P is sitting to the immediate left of L. Only Q is sitting between R and N, and another one of R's immediate neighbours is M, who is also an immediate neighbour of O. Which two of the following are not immediate neighbours?

(a) Q and N
(b) P and N
(c) O and R
(d) R and M

Q30. 2 is related to 9 following a certain logic. Following the same logic, 4 is related to 65. To which of the following is 8 related, following the same logic?

(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.)

(a) 517
(b) 515
(c) 511
(d) 513

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Q31. In a certain code language, ‘you may laugh’ is coded as ‘CD EJ KO’ and ‘may I go’ is coded as ‘TK PO EJ’. How is ‘may’ coded in that code language?

(a) EJ
(b) PO
(c) CD
(d) TK

Q32. Select the number from among the given options that can replace the question mark (?) in the following series.

5, 16, 60, 236, 940, ?

(a) 678
(b) 3756
(c) 4678
(d) 6899

Q33. Lalla, Bablu, Mahesh, Abdul, Arif, Surekha and Kiku are sitting around a circular table, facing the centre (but not necessarily in the same order). Lalla sits 2nd to the right of Bablu. Mahesh sits 3rd to the left of Abdul. Arif sits to the immediate left of Abdul. Surekha is an immediate neighbour of Bablu. Kiku is not an immediate neighbour of Surekha. Who sits third to the right of Abdul?

(a) Lalla
(b) Kiku
(c) Surekha
(d) Babu

Q34. What will come in the place of ‘?’ in the following equation, if ‘+’ and ‘−‘ are interchanged and ‘×’ and ‘÷’ are interchanged?

102 − 36 + 59 ÷ 4 × 2 = ?

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

Q35. In a certain code language, 'GET' is coded as ‘50’ and 'CAB' is coded as ‘76’. How will 'RUN' be coded in the same language?

(a) 28
(b) 29
(c) 30
(d) 31

Q36. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All laptops are desktops.

No desktop is a computer.

Conclusions:

(I) No laptop is a computer.

(II) Some computers are desktops.

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

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Q37. In a code language, 'XCMY' is coded as ‘AHPD’ and 'PGVK' is coded as ‘SLYP’. How will 'JOCH' be coded in that language?

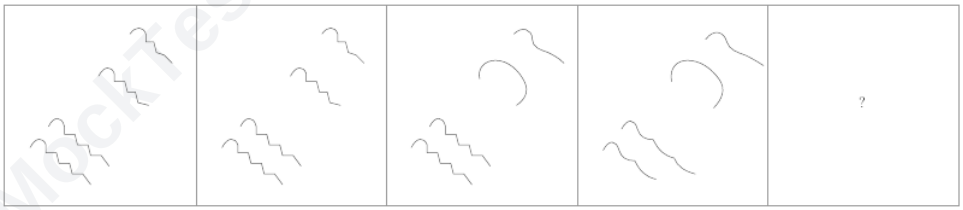
(a) PSDN
(b) NRFK
(c) MTFM
(d) LTDL

Q38. 11 is related to 57 following a certain logic. Following the same logic, 14 is related to 72. To which of the following is 17 related, following the same logic?

[NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 12 - Operations on 12 such as addition/subtraction/multiplication to 12 are to be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

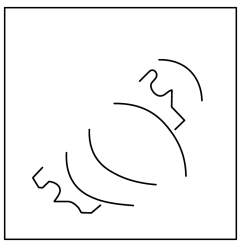
(a) 89
(b) 85
(c) 83
(d) 87

Q39. Identify the figure given in the options which when put in place of ? will logically complete the series.

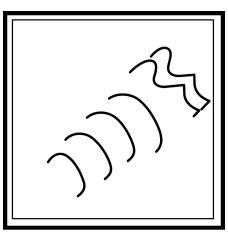


(a)

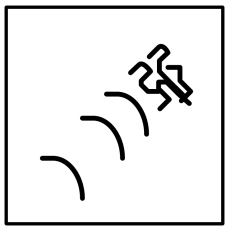




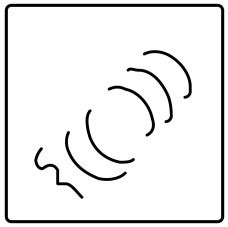
(b)

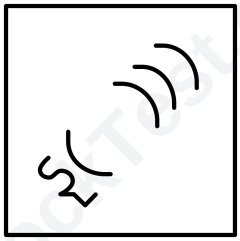


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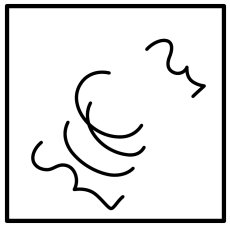


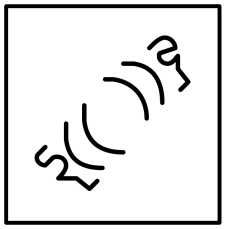
(c)





(d)





Q40. What should come in place of the question mark (?) in this given series based on the English alphabetical order?

TQQ, PRM, LSI, HTE, ?

(a) DUA
(b) EUB
(c) DUB
(d) EUA

SESSION 2

Q41. Which state in India has the highest population density as per the 2011 census?

(a) Tamil Nadu
(b) Uttar Pradesh
(c) West Bengal
(d) Bihar

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Q42. Who among the following started the Khilafat Movement against the British government?

(a) Syed Nabiullah and MA Ansari
(b) Shaukat Ali and Mohammad Ali
(c) Syed Raza Ali and Muhammad Ali Jinnah
(d) Maulana Mazharul Haque and Mian Abdul Aziz

Q43. Which of the following country's official language is Sinhala?

(a) Maldives
(b) Sri Lanka
(c) Myanmar
(d) Nepal

Q44. Who among the following Dance Gurus got Padma Vibhushan in the year 2000?

(a) Ileana Citarist
(b) Kelucharan Mohapatra
(c) Bipin Singh
(d) Birju Maharaj

Q45. Who among the following authors wrote 'Kamayani', 'Dhruvswamini', 'Kankal', 'Titli', 'Skandagupta', 'Lahar' and 'Mamta'?

(a) Jaishankar Prasad
(b) Suryakant Tripathi Nirala
(c) Bhisham Sahni
(d) Krishna Sobti

Q46. There shall be a/an _____ with the Prime Minister at the head to aid and advise the President in the exercise of his functions.

(a) Council of Ministers
(b) Attorney General for India
(c) Parliament
(d) Council of States

Q47. Which of the following statements is correct?

(a) Chlorine has the highest electron affinity, while fluorine has the highest electronegativity.
(b) Fluorine has the highest electron affinity, while chlorine has the highest electronegativity.
(c) Fluorine has the highest electron affinity and the highest electronegativity.
(d) Fluorine has the highest electron affinity, while bromine has the highest electronegativity

Q48. In which game are terms like break, cannons, cue, potting, and kissed commonly used?

(a) Golf
(b) Polo
(c) Billiards
(d) Chess

Q49. Who was sent as an envoy to China during the time of Muhammad bin Tughluq?

(a) Ziauddin Barani
(b) Al-Beruni
(c) Hasan Nizami
(d) Ibn Battuta

Q50. Who has been appointed as the 'UPI Safety Ambassador' by the National Payments Corporation of India (NPCI) to enhance safety awareness on digital payment platforms in November 2023?

(a) Taapsee Pannu
(b) Ayushmann Khurrana
(c) Pankaj Tripathi

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(d) Rajkummar Rao

Q51. Which Indian city hosted the Women's Asian Hockey Champions Trophy event in 2023?

(a) Ranchi
(b) Bhubaneshwar
(c) Bhopal
(d) New Delhi

Q52. Who is known to have revived Bharatanatyam dance form in its modern version today?

(a) Rukmini Devi
(b) T. Balasaraswati
(c) Yamini Krishnamurthy
(d) Mallika Sarabhai

Q53. Megasthenes was an ambassador who was sent to the court of which Indian ruler by the Greek ruler, Seleucus Nicator?

(a) Ashoka
(b) Chandragupta
(c) Bindusara
(d) Pushyamitra Shunga

Q54. Who among the following founded the Servants of India Society in 1905 with the help of MG Ranade?

(a) Gopal Krishna Gokhale
(b) Mahatma Gandhi
(c) Bal Gangadhar Tilak
(d) Jawaharlal Nehru

Q55. On 25 August 2023, which State Government expanded its ongoing 'Breakfast Scheme' for students of classes 1 to 5, studying in 31,008 government schools across the State?

(a) Jharkhand
(b) Tamil Nadu
(c) Karnataka
(d) Goa

Q56. Which chemical compound is commonly utilised as a preservative in tomato sauce?

(a) Green Tea Extract
(b) Carnosic Acid
(c) Vinegar
(d) Sodium Benzoate

Q57. The Guindy National Park is located in which state?

(a) Rajasthan
(b) Tamil Nadu
(c) Madhya Pradesh
(d) Maharashtra

Q58. In which Indian state do we find caves named after elephant statues found in it?

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

Q59. Which country was a major importer of dye intermediates and castor oils from India in 2022-23?

(a) Japan
(b) Belgium
(c) China

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(d) Brazil

Q60. The Krebs cycle of aerobic respiration is carried out within which of the following cell organelles?

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

Q61. When the pH value of soils is more than 7.5, they are considered to be:

(a) slightly acidic soils
(b) alkaline soils
(c) strongly acidic soils
(d) neutral soils

Q62. The cultural sport of Maharashtra, 'dahi-handi' is associated with which festival?

(a) Krishna Janmashtami
(b) Ramnavmi
(c) Holi
(d) Ganesh Chaturthi

Q63. Which of the following dance performances begins with the Kelikottu?

(a) Kathakali
(b) Odissi
(c) Kathak
(d) Bharatanatyam

Q64. The budget of the central government is known as the _____.

(a) union budget
(b) annual expected budget
(c) state budget
(d) revised budget

Q65. What writ means ‘We Command’?

(a) Certiorari
(b) Habeas Corpus
(c) Mandamus
(d) Prohibition

Q66. Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence.
We went to Bowbazar in Kolkata to see the buildings for the lodging and accommodation of soldiers.

(a) barracks
(b) padlocks
(c) hostels
(d) inns

Q67. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
The company decided / to phase up its / outdated technology / and embrace innovation.

(a) and embrace innovation.
(b) The company decided
(c) outdated technology
(d) to phase up its

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Q68. Select the most appropriate synonym of the given word.

Fabricate

(a) Construct
(b) Garments
(c) Fascinate
(d) Floral

Q69. Select the most appropriate synonym of the given word.

Fantastic

(a) Fanciful
(b) Practical
(c) Graceful
(d) Delicate

Q70. Select the most appropriate synonym of the underlined word in the following sentence.

You must adhere to the rules of this place.

(a) Comply
(b) Strict
(c) Remember
(d) Aware

Q71. Select the most appropriate adjective to fill in the blank.

After coming from a long journey he said, "It feels so _____ to be home".

(a) better
(b) good
(c) much good
(d) best

Q72. Select the option that can be used as a one-word substitute for the given group of words.

A word, number, or other figure that looks the same when viewed (or rotated) upside down.

(a) Anadiplosis
(b) Alliteration
(c) Anagram
(d) Ambigram

Q73. Select the option that will improve the underlined part of the given sentence.

The sports teacher saw across the game and punished the students who were cheating in the game.

(a) underneath
(b) through
(c) beside
(d) beneath

Q74. Select the INCORRECTLY spelt word.

(a) Vigilante
(b) Masquerade
(c) Squadroun
(d) Caricature

Q75. Select the most appropriate ANTONYM of the given word.

Piquant

(a) Bitter
(b) Bland
(c) Delicious
(d) Delectable

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Q76. Select the INCORRECTLY spelt word.

(a) Choronology
(b) Competent
(c) Soliloquy
(d) Protein

Q77. The following sentence has been split into four segments. Identify the segment that contains an error in the usage of indefinite articles.

We have invited / our friends / for a / dinner.

(a) dinner
(b) We have invited
(c) our friends
(d) for a

Q78. Select the idiom that can substitute the bracketed word segment correctly and complete the given sentence meaningfully.

The negotiations reached a point where both parties had to (confront the consequences of their actions) and make tough decisions.

(a) face the music
(b) break a leg
(c) cut corners
(d) get cold feet

Q79. Parts of the following sentence have been given as options. Select the option that contains a grammatical error.

If you don't find any error, mark 'No error' as your answer.

Mohan is still confused about his higher studies.

(a) No error
(b) Mohan is still
(c) his higher studies
(d) confused about

Q80. Select the INCORRECTLY spelt word.

(a) Postuer
(b) Gesture
(c) Culture
(d) Lecture

Q81. Select the most appropriate meaning of the underlined idiom in the given sentence.

My old car was pressed into service as an emergency vehicle for my ailing grandmother.

(a) Cared for by old people
(b) Asking for special maintenance
(c) To use for a particular purpose when a special need occurs.
(d) Used to take someone to the hospital

Q82. Select the most appropriate option that can substitute the underlined segment in the given sentence.

Ramya would gladly help Manya if you had asked her.

(a) is to gladly help
(b) will gladly help
(c) was to have gladly helped
(d) would have gladly helped

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Q83. Select the grammatically correct sentence from the given options.

(a) The hard disc of a computer on a desk needs to be repaired at the earliest.
(b) A hard disc of the computer on the desk needs to be repaired at the earliest.
(c) The hard disc of the computer on the desk needs to be repaired at the earliest.
(d) The hard disc of a computer on the desk needs to be repaired at an earliest.

Q84. Select the most appropriate synonym of the given word.

Gregarious

(a) Sociable
(b) Isolated
(c) Introverted
(d) Reserved

Q85. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The manager had / thrown up the / drunk people sitting / inside his office premises.

(a) drunk people sitting
(b) inside his office premises
(c) thrown up the
(d) The manager had

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.

Man, it would seem, has (1)____ from arboreal apes. They lived a happy life in tropical forests, eating coconuts when they were hungry, and throwing them at each other when they were not. They were (2)__ occupied in gymnastics and acquired an (3)__ which to us is truly (4)__. But after some millions of years of this arboreal paradise, their numbers increased to the point where the supply of coconuts was no longer (5)_____.

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

(a) descended
(b) ascended
(c) recommended
(d) extended

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

(a) perpetually
(b) professionally
(c) bisectionally
(d) conspiratorially

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

(a) civility
(b) density
(c) agility
(d) variability

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

(a) disappointing
(b) boring
(c) astonishing
(d) frightening

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

(a) deficient
(b) delicate
(c) adequate
(d) consecrate

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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