SSC MTS Previous Year Paper (Held on: 25 July 2022 Shift 1)

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.

yourmocktest.com/pyq/ssc-mts/ssc-mts-previous-year-paper-held-on-25-july-2022-shift-1

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

GENERAL INTELLIGENCE & REASONING

Q1. 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.

1246 : 2164 :: 3482 : 4328 :: ? : 2548

(a) 2485
(b) 5284
(c) 2854
(d) 2458

Q2. What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and also '−' and '÷' are interchanged?

4 + 8 ÷ 4 × 2 − 2 = ?

(a) 44
(b) 28
(c) 48
(d) 29

Q3. What will be the value of the given expression if 'A' means '+', 'B' means '–', 'C' means '×', and 'D' means '÷'?

50 A 40 B 10 C 12 D 2 = ?

(a) 35
(b) 20
(c) 40
(d) 30

Q4. 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.

ROBY : TJDT :: GAIN : ?

(a) IVKI
(b) IUKJ
(c) IUKI
(d) IVKJ

Q5. 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.

LOCAL : SVJHS :: PROOF : WYVVM :: STAGE : ?

(a) ZAHML
(b) ZAINL
(c) ZAHNL
(d) ZAHNK

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Q6. In a certain code language, if Grapes is called Grass, Grass is called Jasmine, Jasmine is called Jaggery, Jaggery is called Melon, and Melon is called Guava, then what is a manmade object?

(a) Jaggery
(b) Melon
(c) Guava
(d) Jasmine

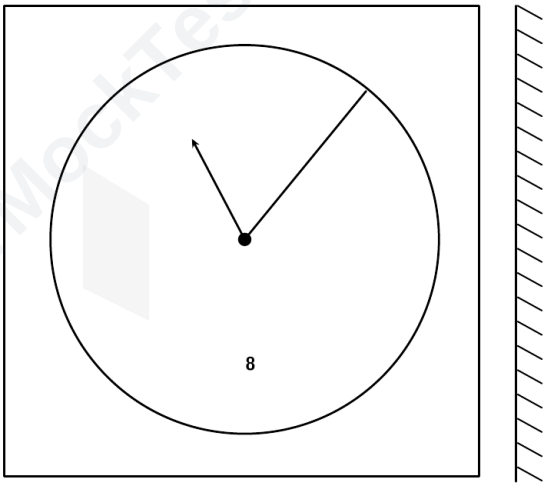
Q7. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given letter-clusters.

AM : EQ

(a) RS : VX
(b) LB : JF
(c) GH : KE
(d) PT : TX

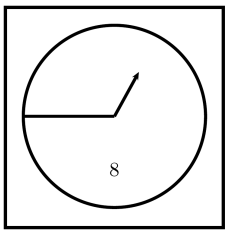
Q8. Select the correct mirror image of the given figure when the mirror is placed at the right side.

A

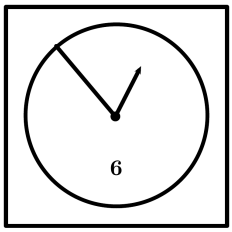


B

(a)

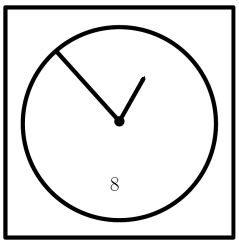


(b)

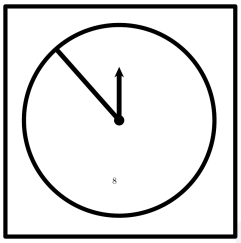


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(c)



(d)



Q9. 8 boys A, B, C, D, E, F, G and H are sitting around a square table facing towards the centre (not necessarily in the same order). 4 boys are sitting at each corner, and 4 boys are sitting at the middle of each side of the table. A is an immediate neighbour of H and G. A is sitting at a corner. B is an immediate neighbour of D and C. E is an immediate neighbour of C and F. G is third to the right of D. Three out of the following four options follow a similar rule and form a group. Which of the following does NOT belong to that group?

(a) EB
(b) BH
(c) AF
(d) GC

Q10. Identify the number that does NOT belong to the following series.

34, 63, 94, 131, 172, 225

(a) 94
(b) 63
(c) 172
(d) 225

Q11. J, K, L, M and N are sitting on a bench facing towards north (but not necessarily in the same order). J is immediate neighbour of K. L is immediate neighbour of N. J is not sitting with M who sits on the right end of the bench. J sits to the right of L and N. L sits to the right of N. In which position L is sitting?

(a) Second from the right
(b) Second from the left
(c) Fourth from the left
(d) Third from the left

Q12. Select the option that will replace the question mark (?) in the given series.

49, 53, 61, 73, 89, ?

(a) 108
(b) 109
(c) 107
(d) 111

Q13. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

YZCD, WXEF, UVGH, STIJ,?

(a) MNKL
(b) QROP
(c) MNOP
(d) QRKL

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Q14. In a certain code language, 'Parties are scrumptious' is written as '@ # %', 'Peter loves parties' is written as '% fr kn' and 'Here scrumptious are cakes' is written as '# 6 9 @'. What can be the possible code for 'Here parties' in that code language?

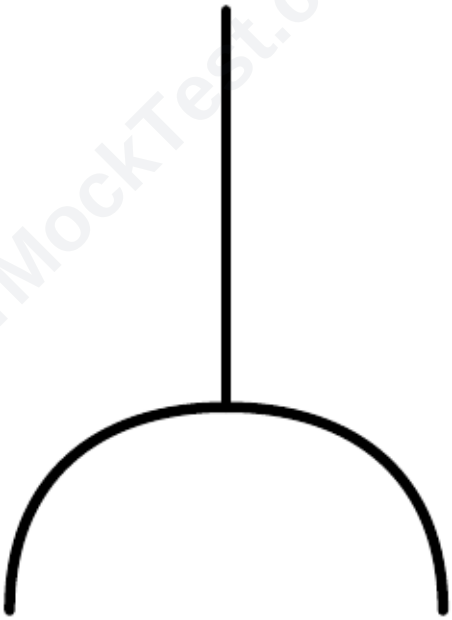
(a) 9
(b) % #
(c) 6 9
(d) % 9

Q15. Select the option in which the numbers are related in the same way as are the numbers in the given set.

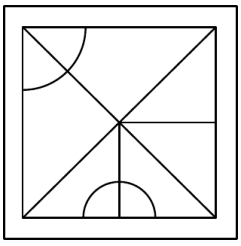
(11, 23, 47)

(a) (17, 35, 69)
(b) (13, 27, 54)
(c) (19, 39, 79)
(d) (23, 46, 93)

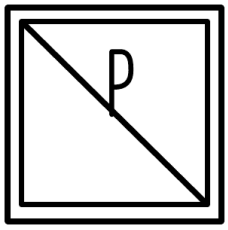
Q16. Select the option in which the given figure is embedded (Rotation is not allowed).



(a)

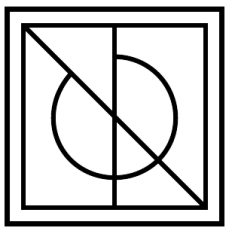


(b)

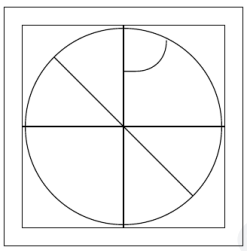


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(c)



(d)



Q17. 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 pen are table.

All rubber are pen.

Conclusions:

I. All pen are rubber.

II. All table are pen.

III. No rubber is table.

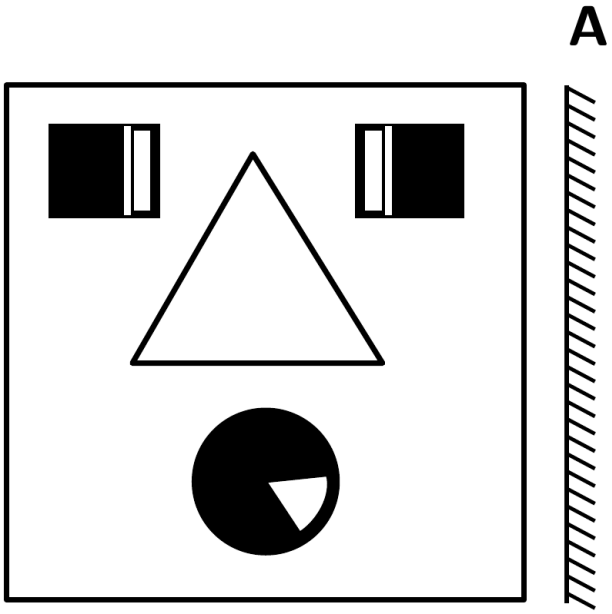
(a) Both conclusions II and III follow.

(b) All conclusions follow.

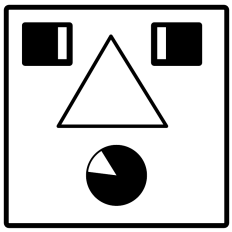
(c) Only conclusion III follows.

(d) Neither conclusion follow.

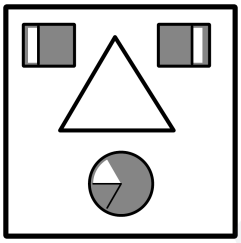
Q18. Select the correct mirror image of the given figure when the mirror is placed to its right side.



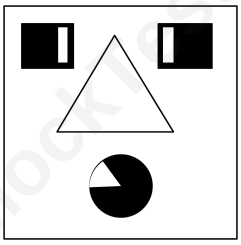
(a)



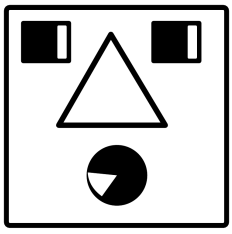
(b)



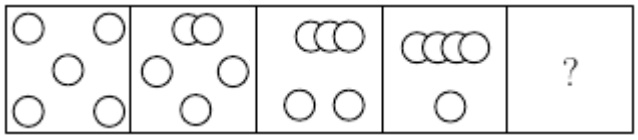
(c)



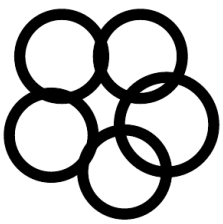
(d)



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

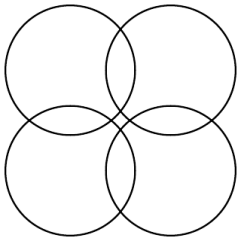


(a)

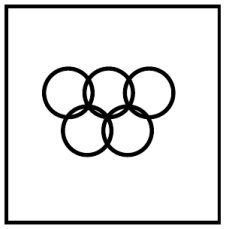


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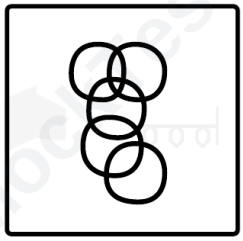
(b)



(c)



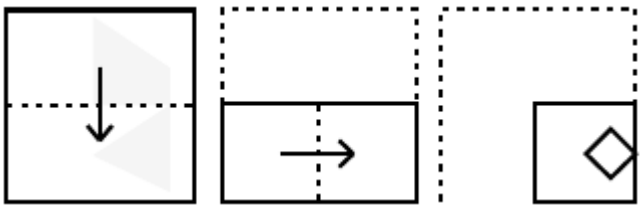
(d)



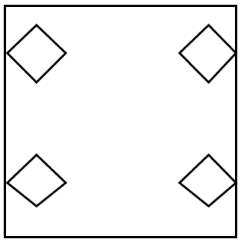
Q20. The prices of seven mobiles M1, M2, M3, M4, M5, M6 and M7 are compared. The price of M7 is more than M5 and less than M4. The price of M1 more than M6 and less than M2. The price of M2 is less than the price of M5. If the price of M4 is less than only one mobile, then which of the following options is correct?

(a) M3 > M4
(b) M6 > M5
(c) M1 > M5
(d) M7 > M3

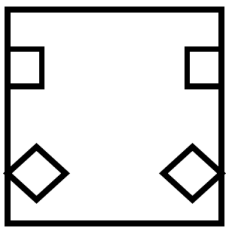
Q21. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



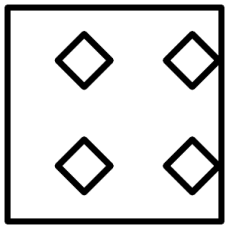
(a)



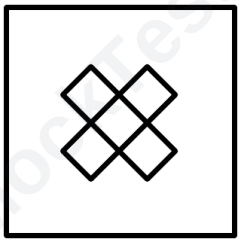
(b)



(c)



(d)



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

Statements:

I. No L is P.

II. No R is L.

Conclusions:

I. Some R are not P.

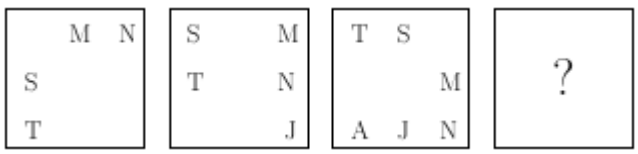
II. Some R are not L.

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

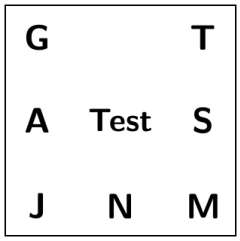
Q23. In a certain code language, 'DETECT' is written as 'FCVCER' and 'HEIGHT' is written as ‘JCKEJR’. How will 'MOTHER' be written in that language?

(a) ONVFGP
(b) OMVFGO
(c) OMVEGP
(d) OMVFGP

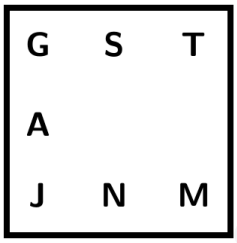
Q24. Select the figure from the given options that can replace the question mark (?) in the following series.



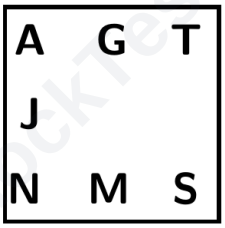
(a)



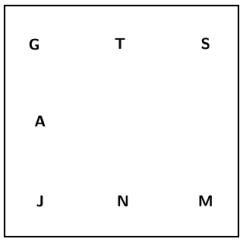
(b)



(c)



(d)



Q25. In a certain code language, 'TRUMPS' is written as 'VTWORU' and 'GAYTER' is written as 'ICAVGT'. How will 'HEINAP' be written in that code language?

(a) JGKPCR
(b) JGLPCR
(c) JGLQCR
(d) JGKQCR

NUMERICAL APTITUDE

Q26. Z is increased successively by 111/9 % and 10% to get R. If R = 165, then what is the value of Z?

(a) 145
(b) 115
(c) 125
(d) 135

Q27. An car moves through 20 m in 3 minutes and the next 50 km at a speed of 100 km/h. What is the approximate average speed of the car?

(a) 22.38 m/s
(b) 20 m/s
(c) 25.26 m/s
(d) 26.28 m/s

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Q28. If the sum of the diagonals of a rhombus is L and the perimeter is 4P, find the area of the rhombus?

(a) 1/4 (L^2 - P^2)
(b) 1/2 (L^2 - $4P^2$)
(c) 1/4 (L^2 + $3P^2$)
(d) 1/4 (L^2 - $4P^2$)

Q29. If P = 7 × 4 - 3, Q = 8 ÷ 4 + 2, and R = 14 ÷ 21 × 9, then what is the value of P × Q + R?

(a) 96
(b) 112
(c) 108
(d) 106

Q30. If A1 and A2 are two distinct prime numbers, then what is the highest common factor of A1 and A2?

(a) 3
(b) 1
(c) 5
(d) 2

Q31. Study the given table and answer the question that follows.

The table shows the population of three cities P, Q and R, as percentage of the total population of these three cities taken together. It also shows the percentage of the population above 60 years of age in each of these cities, and also the ratio of males to females below 60 years of age, in each of these cities. The total population of all the three cities taken together is 3,00,000.

CITY	POPULATION	ABOVE 60	M : F (BELOW 60 YEARS)
P	45%	30%	3 : 7
Q	30%	70%	3 : 1
R	25%	40%	12 : 13

Find the male population of city R that is below 60 years.

(a) 19,800
(b) 24,600
(c) 21,600
(d) 30,000

Q32. The present ages of Vishal and Shekhar are in the ratio of 14 : 17. Six years from now, their ages will be in the ratio of 17 : 20. What is Shekhar's present age?

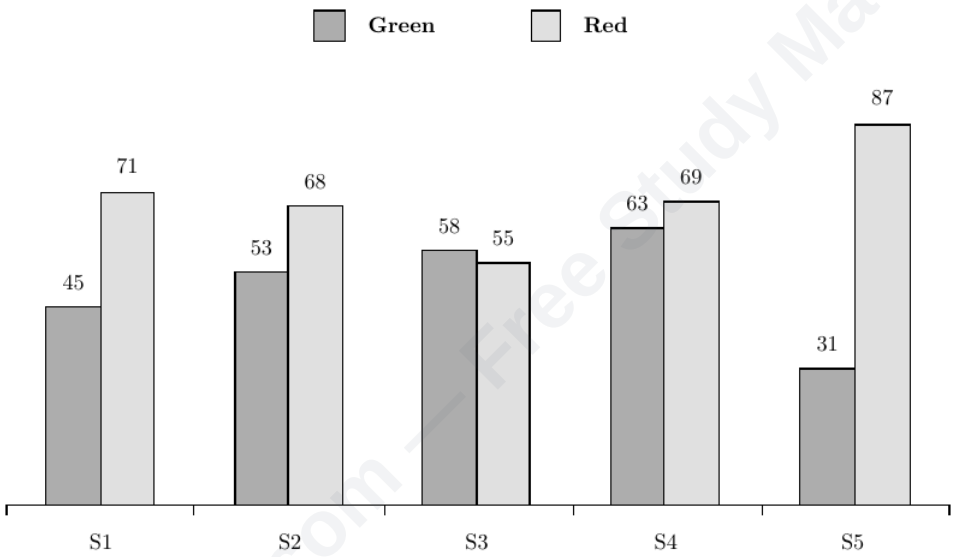
(a) 51 years
(b) 34 years
(c) 36 years
(d) 17 years

Q33. What is the difference between a discount of 35% and two successive discounts of 30% and 5% on a bill of Rs. 10,00,000?

(a) Rs. 15,500
(b) Rs. 15,000
(c) Rs. 14,000
(d) Rs. 16,500

Q34. The following bar chart shows the number of bottles of green and red colours sold by 5 different shops.

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What is the ratio of the total number of green bottles sold by the 5 shops taken together to the total number of red bottles sold by the 5 shops taken together?

(a) 3 : 5
(b) 6 : 11
(c) 4 : 7
(d) 5 : 7

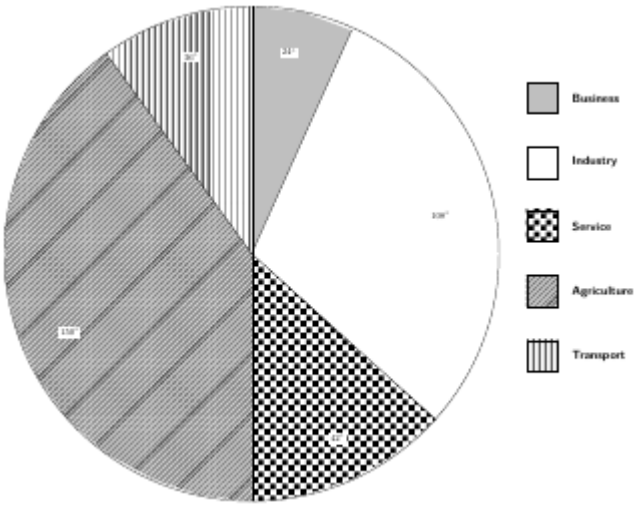
Q35. The profit earned when a painting is sold for Rs. 1,200 is 15 times the loss incurred when it is sold for Rs. 240. At what price should be the painting be sold to make a profit of 40%?

(a) Rs. 300
(b) Rs. 480
(c) Rs. 420
(d) Rs. 360

Q36. 10 horses can graze a field in 14 days, and 10 sheep take 28 days to graze the same field. How many days will 5 horses and 10 sheep take to graze the same field?

(a) 28
(b) 10
(c) 14
(d) 20

Q37. The pie-chart shows the distribution of the 5,00,040 employed people of a city according to their occupations in terms of the central angles of the sectors representing people engaged in the different occupations mentioned.



As per the information provided above, how many more people work in the service sector when compared to the number

of people who engage themselves in business?

(a) 24,492
(b) 25,684
(c) 25,000
(d) 25,002

Q38. The length, the breadth, and the height of a cuboidal room are given as 80 m, 70 m, and 80 m, respectively. What will be the total cost of painting the four walls of this room, at the rate of 50 paise per square metre?

(a) Rs. 1,20,000
(b) Rs. 28,000
(c) Rs. 48,000
(d) Rs. 12,000

Q39. The population of a town increases by 8% every year. If the present population of the town is 14,580, then what was the population of the town 2 years ago?

(a) 13,600
(b) 12,200
(c) 13,765
(d) 12,500

Q40. The cost price of a notebook is Rs. 120. It is sold at a profit of 40%. What is the nominal profit made on the sale of each notebook?

(a) Rs. 36
(b) Rs. 48
(c) Rs. 24
(d) Rs. 40

Q41. The speed of a motor-boat in still water and the speed of the current of water are in the ratio 20 : 4. To go a certain distance along the current the boat takes 4 hours. Find the time taken by the boat to cover the same distance against the current.

(a) 6 hours
(b) 8 hours
(c) 12 hours
(d) 10 hours

Q42. A man travels for 3 minutes at a speed of 22 km/h. What is the distance travelled by the man?

(a) 2200 metres
(b) 550 metres
(c) 1650 metres
(d) 1100 metres

Q43. A is 25 % less than B. B is 30% more than 120. What is the value of A?

(a) 117
(b) 111
(c) 114
(d) 108

Q44. The average weight of A, B, C and D is 33 kg. C is 12 kg lighter than A, while B is 6 kg heavier than C. D's weight is 10 kg less than that of C. What is the average of A and D?

(a) 34 kg
(b) 33 kg
(c) 35 kg
(d) 32 kg

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Q45. Ridhaan took a loan of Rs. 12,000 at the rate of 8% simple interest per annum. What amount will he have to pay after 6 months, if he decides to repay the entire loan amount with interest at that time?

(a) Rs. 12,580
(b) Rs. 12,480
(c) Rs. 14,690
(d) Rs. 13,720

Q46. 22 boys, working together, can complete a work in 10 days, whereas 25 boys and 12 girls take 8 days to complete the same work. In how many days can only 6 girls, working together, complete the same work?

(a) 170
(b) 177
(c) 175
(d) 176

Q47. Select the number that will come in place of the question mark (?) in the following mathematical statement.

$(9^2\times 27 + 3^2 \times 7 + ?)^{(1/2)} = 59$

(a) 1087
(b) 1231
(c) 1111
(d) 1090

Q48. Three numbers are in the ratio of 1 : 2 : 3. The product of the three numbers is 1296. What is the sum of the three numbers?

(a) 36
(b) 30
(c) 72
(d) 24

Q49. The average of a certain set of 'b' numbers is 'a', and the average of a certain set of 'a' numbers is 'b'. What is the average of all the numbers taken together?

(a) 2b ÷ (a + b)
(b) 2ab ÷ (a + b)
(c) (a + b) ÷ 2ab
(d) 2a ÷ (a + b)

Q50. The area of a square is 1296 cm^2 and the radius of a circle is 7/6 of the length of a side of the square. What is the ratio of the perimeter of the square and the circumference of the circle? [Use $\pi = 22/7$]

(a) 13 : 11
(b) 8 : 11
(c) 6 : 11
(d) 3 : 7

GENERAL ENGLISH

Q51. Select the option that can be used as a one-word substitute for the given group of words.

Make (something bad or unsatisfactory) better

(a) Judge
(b) Malign
(c) Castigate
(d) Ameliorate

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Q52. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select ‘No improvement reuired’.

The viewing for the Mount Everest is clearer from here.

(a) view of an
(b) view of
(c) No improvement reuired
(d) viewing of a

Q53. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

An immense crowd had gather to witness this ceremony.

(a) had gathering
(b) gather
(c) No improvement required
(d) had gathered

Q54. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

When it comes to love of sports, he takes off his father.

(a) takes from
(b) takes by
(c) takes after
(d) No improvement required

Q55. Select the INCORRECTLY spelt word.

(a) Bombastic
(b) Arachic
(c) Benign
(d) Artless

Q56. 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.

Businesses are asking employees to work from home.

(a) employees to work
(b) from home
(c) Businesses are asking
(d) No error

Q57. Select the most appropriate meaning of the underlined idiom in the given sentence.

A child in an art museum is like a bull in a China shop.

(a) A clumsy person in a delicate situation
(b) A person who cries for everything
(c) A talkative person
(d) A person with no moral values

Q58. Select the option that can be used as a one-word substitute for the given group of words.

An afternoon performance in a theatre or cinema

(a) Canvas
(b) Premiere
(c) Comedy
(d) Matinee

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Q59. Select the option that can be used as a one-word substitute for the given group of words.

An ability to find ways and directions

(a) Navigate
(b) Annotate
(c) drive
(d) operate

Q60. Select the most appropriate option to fill in the blank.

It was a long and dangerous journey in those unsettled days. The pilgrim had to face _____ by land and sea.

(a) safeties
(b) respite
(c) perils
(d) exposure

Q61. Select the most appropriate synonym of the given word.

Hesitant

(a) Diligent
(b) Remote
(c) Eager
(d) Reluctant

Q62. 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.

She didn't knew / that I was out / for some urgent work.

(a) for some urgent work
(b) No error
(c) that I was out
(d) She didn't knew

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

Many state governments are facing a financial crunch.

(a) are facing an
(b) is facing a
(c) will facing a
(d) No improvement required

Q64. 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.

I have receive perhaps four / or five such requests during the / course of a typical week.

(a) or five such requests during the
(b) No error
(c) course of a typical week
(d) I have receive perhaps four

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

Laconic

(a) Verbose
(b) Pithy
(c) Brief
(d) Terse

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

Vanquish

(a) Defeat
(b) Acquit
(c) Surrender
(d) Flee

Q67. Select the most appropriate option to fill in the blank.

Overindulgence in anything may prove _____ to health.

(a) spurious
(b) injurious
(c) repetitive
(d) commercial

Q68. Select the option that rectifies the incorrectly spelt words in the given sentence.

The table was grased with a lovelly showpiece.

(a) The table was grased with a lovvely showpiece.
(b) The table was graced with a lovaly showpiece.
(c) The table was graced with a lovely showpiece.
(d) The table was graced with a lovelly showpiece.

Q69. Select the most appropriate option to fill in the blank.

The judges applauded me for my _____ performance at the competition.

(a) usual
(b) normal
(c) outstanding
(d) large

Q70. Select the most appropriate meaning of the given idiom.

Bury the hatchet

(a) To change the plans
(b) To make secret preparations to attack
(c) To settle disputes
(d) To hide something controversial

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.

Love is often thought to be the highest and most fulfilling emotion that men and women can (1)_____. But it is also thought of in (2)____ to the various instincts in man. Therefore, we must (3)____ from the mystical point of view that love is the highest emotion of man and the one emotion that relates man to God. Love on every plane and level of life is an expression of God's will, working and expressing itself in man's consciousness. To express love on any level is good, but to express it as adoration of God is the (4)____ form of love and brings man into the greatest (5)_____ with his inner self.

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

(a) condemn
(b) express
(c) attack
(d) condone

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

(a) mention
(b) inspection
(c) position

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(d) relation

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

(a) realise
(b) comprehends
(c) acknowledges
(d) contrast

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

(a) smallest
(b) latest
(c) highest
(d) largest

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

(a) suffering
(b) harmony
(c) menace
(d) loathing

GENERAL AWARENESS

Q76. As per Sample Registration System's 2018 report, what percentage of India's population comes under working age?

(a) 74%
(b) 44%
(c) 85%
(d) 66%

Q77. The moon moves around the earth in about _____.

(a) 30 days
(b) 24 days
(c) 27 days
(d) 29 days

Q78. Which lake of India is the result of tectonic activity?

(a) Wular lake
(b) Barapani lake
(c) Dal lake
(d) Loktak lake

Q79. Jhaveri Sisters are famous for which form of classical dance?

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

Q80. What is the atomic number of sulphur?

(a) 15
(b) 14
(c) 16
(d) 18

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Q81. Article 51 of the Indian Constitution is about _____.

(a) uniform civil code for the citizens
(b) organisation of agriculture and animal husbandry
(c) promotion of international peace and security
(d) separation of judiciary from executive

Q82. Dhamek stupa is one of the most prominent Buddhist structures in India. It is situated in the _____ district of Uttar Pradesh.

(a) Jaunpur
(b) Agra
(c) Varanasi
(d) Mirzapur

Q83. Which chapter of the Constitution of India discusses the articles of Parliament?

(a) Chapter III
(b) Chapter I
(c) Chapter II
(d) Chapter IV

Q84. 'Unfinished' is a memoir of the famous Indian actress _____.

(a) Kangana Ranaut
(b) Vidya Balan
(c) Priyanka Chopra Jonas
(d) Sridevi

Q85. With respect to value addition in the textile industry, knitting is followed by which procedure?

(a) Garment manufacture
(b) Spinning
(c) Fibre production
(d) Dyeing and finishing

Q86. In which state of India is Nuakhai festival celebrated?

(a) Bihar
(b) Assam
(c) Odisha
(d) Tamil Nadu

Q87. Which scientist first coined the term, Ecosystem/Ecological System?

(a) Charles Sutherland Elton
(b) Arthur Tansley
(c) Eugene Odum
(d) Frederic Edward Clements

Q88. According to Article 112 of the Constitution of India, the Union Budget of a year is called _____.

(a) Fiscal Budget
(b) Assessment Statement
(c) Annual Financial Statement
(d) Annual Budget Statement

Q89. In which of the following events did India NOT win any medal at the Summer Olympics 2020 (played in 2021)?

(a) Men's hockey
(b) Women's singles badminton
(c) Men's javelin throw
(d) Women's hockey

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Q90. Which of the following dynasties ruled over Delhi just after the Sayyid dynasty?

(a) Khalji dynasty
(b) Lodi dynasty
(c) Rajput dynasty
(d) Tughluq dynasty

Q91. Which Indian state government launched a cleanliness drive called Project CLAP?

(a) Uttar Pradesh
(b) Andhra Pradesh
(c) Rajasthan
(d) Madhya Pradesh

Q92. Padma Shri awardee, Gaddam Padmaja Reddy was associated with which classical dance of India?

(a) Kuchipudi
(b) Manipuri
(c) Sattriya
(d) Kathak

Q93. The first English factory was set up on the banks of the river Hugli in _____.

(a) 1645
(b) 1651
(c) 1648
(d) 1640

Q94. Who will be India's Chief G20 Coordinator from May 2022?

(a) Harsh Vardhan Shringla
(b) Rajiv Gauba
(c) Shashi Tharoor
(d) Ajit Doval

Q95. How many number of players are permitted to be substituted in a game of field hockey?

(a) No limit
(b) 3
(c) 10
(d) 5

Q96. The process of seepage of water into the land is called _____.

(a) infiltration
(b) depletion
(c) storage
(d) replenishment

Q97. Which of the following titles was held by Samudragupta, a ruler of the Gupta Dynasty?

(a) Jahan Panah
(b) Sahib-e-Qiran
(c) Kaviraja
(d) Mahendraitya

Q98. Who was the founder of Brahmo Samaj in 1828, at Calcutta?

(a) Swami Dayanand Saraswati
(b) Ram Singh
(c) Raja Ram Mohan Roy
(d) HN Kunzru

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Q99. What is the capital of India's neighbouring country Afghanistan?

(a) Kandahar
(b) Kathmandu
(c) Kabul
(d) Karachi

Q100. Pandit Ravi Shankar is associated with _____ musical instrument.

(a) sitar
(b) violin
(c) flute
(d) guitar

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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