SSC MTS Previous Year Paper (Held on: 13 July 2022 Shift 3)

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, 'GOAL' is coded as '917314', and 'PBKS' is coded as '1841321'. How will 'HAMD' be coded in that language?

(a) 101356
(b) 101365
(c) 103165
(d) 103156

Q2. After interchanging the given two signs × and -, what will be the value of the given expression?

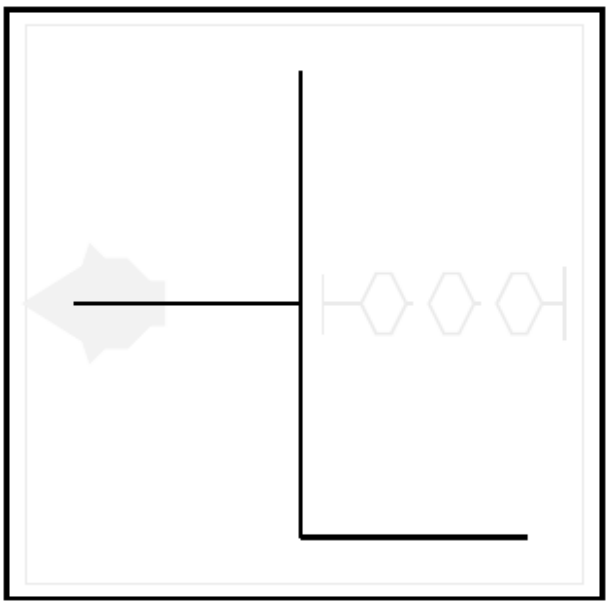
10 + 5 - 6 ÷ 2 × 5

(a) 30
(b) 35
(c) 20
(d) 25

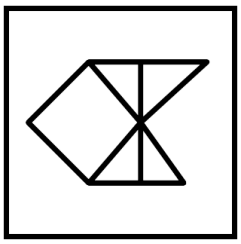
Q3. In a certain code language, 'he is sick' is written as 'blue red pink', 'he wants apple' is written as 'green violet red', and 'apple is tasty' is written as 'blue green yellow'. How will 'tasty' be written in that language?

(a) Violet
(b) Blue
(c) Yellow
(d) Pink

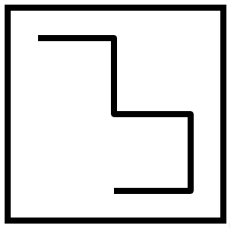
Q4. Select the option in which the given figure is embedded (rotation is NOT allowed).



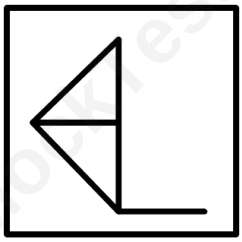
(a)



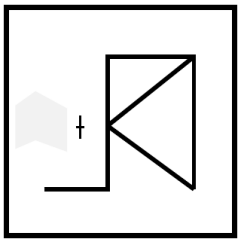
(b)



(c)



(d)

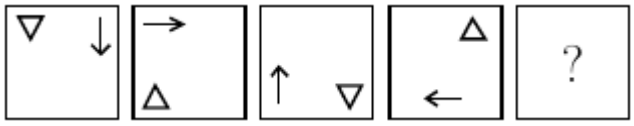


Q5. Which two numbers need to be interchanged to make the following equation correct?

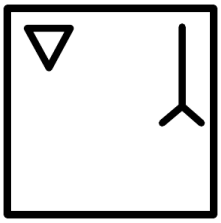
22 - 9 ÷ 5 + 10 × 1 = 29

(a) 22 and 10
(b) 5 and 1
(c) 10 and 9
(d) 5 and 10

Q6. Select the figure from the given options that can replace the question mark (?) in the following series.

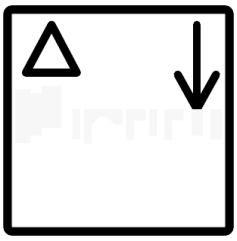


(a)

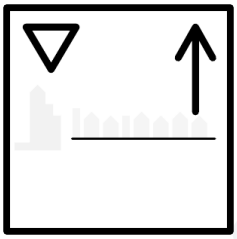


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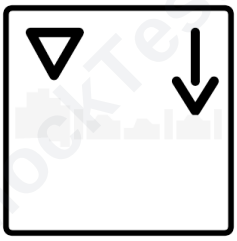
(b)



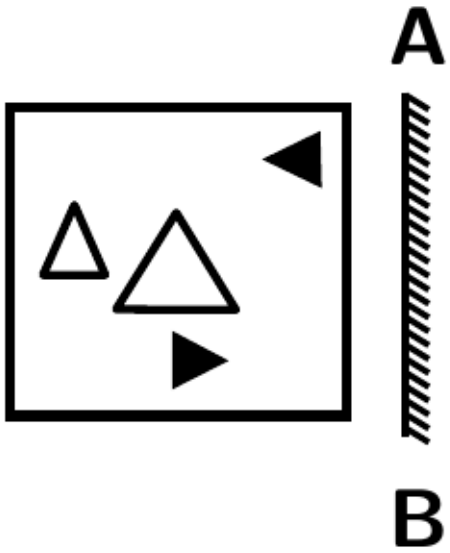
(c)



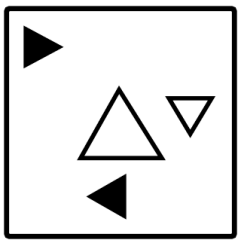
(d)



Q7. Select the correct mirror image of the given figure when the mirror is placed to its right side.

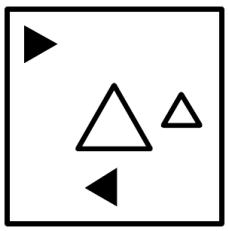


(a)

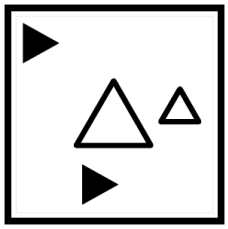


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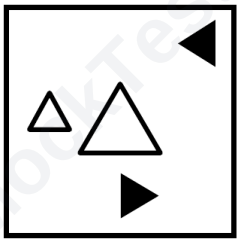
(b)



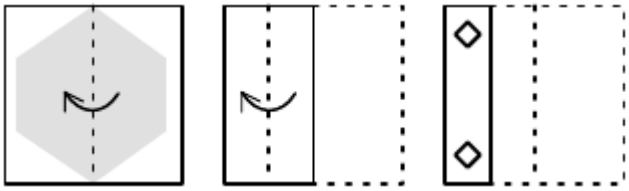
(c)



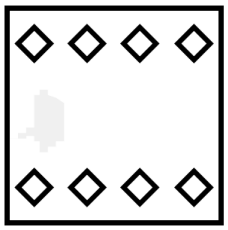
(d)



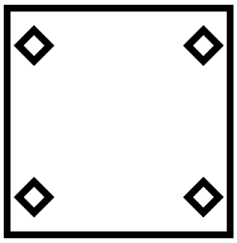
Q8. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



(a)

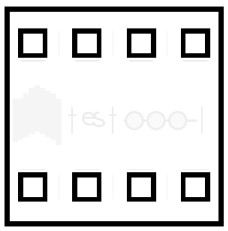


(b)

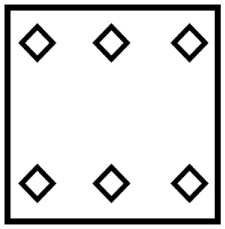


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(c)



(d)



Q9. Select the number from the given options that can replace the question mark (?) in the following series.

137, 125, 113, 101, ?

(a) 87
(b) 84
(c) 86
(d) 89

Q10. 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.

ABC2 : ZYX7 :: PQR21 : KJI26 :: MNO11 : ?

(a) NML16
(b) KLM14
(c) NLM14
(d) MKL16

Q11. Read the given statements and conclusions carefully. Assuming the information given in the statements to be true even if they seem to be inconsistent with commonly known facts, decide which of the given conclusions logically follows from the given statements.

Statements I: Some black are blue.

Statement II: Some blue are red.

Conclusions: Some black are red.

Conclusion II: All red being blue is a possibility.

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

Q12. Four girls A, B, C, and D are sitting in a row, facing towards the south (but not necessarily in the same order). Four boys P, Q, R and S are sitting in a row, facing towards the face of these girls (but not necessarily in the same order). P and C are diagonally opposite to each other. A is second to the right of C. S is the immediate neighbour of Q and R. C is facing R.

Which of the following pairs of persons facing each other is definitely correct?

(a) DP
(b) BS
(c) AQ
(d) DS

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

AY, BX, ?, DV, EU, FT

(a) CV
(b) CW
(c) CE
(d) CU

Q14. 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.

347 : 14 :: 122 : 5 :: 244 : ?

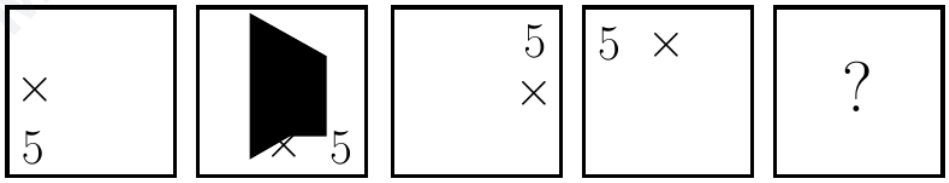
(a) 12
(b) 10
(c) 8
(d) 14

Q15. Identify the number that does NOT belong to the following series.

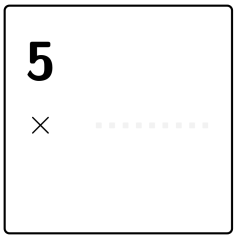
414, 430, 462, 526, 664, 910

(a) 462
(b) 526
(c) 910
(d) 664

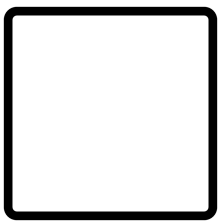
Q16. Select the figure from the given options that can replace the question mark (?) in the following series.



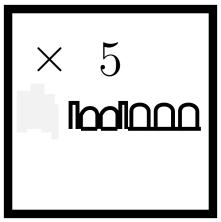
(a)



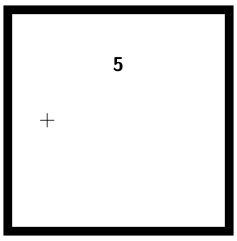
(b)



(c)



(d)



Q17. P1, P2, P3, P4, P5, P6 and P7 earn different profits. P1 makes more profit than P5 but less than P3. P6 makes less profit than only two people. P4 makes the lowest profit. P2 makes less profit than P1. P7 makes the most profit. Who earns the third highest profit?

(a) P4
(b) P6
(c) P3
(d) P7

Q18. In a certain code language, 'Heat is waves' is coded as '7 6 @', and 'waves are dramatic not' is coded as '3 4 % 7'. What can be the code for 'Heat' in that language?

(a) %
(b) 4
(c) @
(d) 3

Q19. 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.

GP : KK :: MN : ?

(a) QI
(b) QJ
(c) RI
(d) RJ

Q20. Five professors A, B, C, D and E are sitting in a row facing the North (not necessarily in the same order). A is second to the left of D. Only two professors are sitting between C and E. No professor is sitting to the right of E.

How many professors are sitting to the left of D?

(a) 3
(b) 0
(c) 2
(d) 1

Q21. Select the option in which the numbers are related in the same way as are the numbers of the following sets.

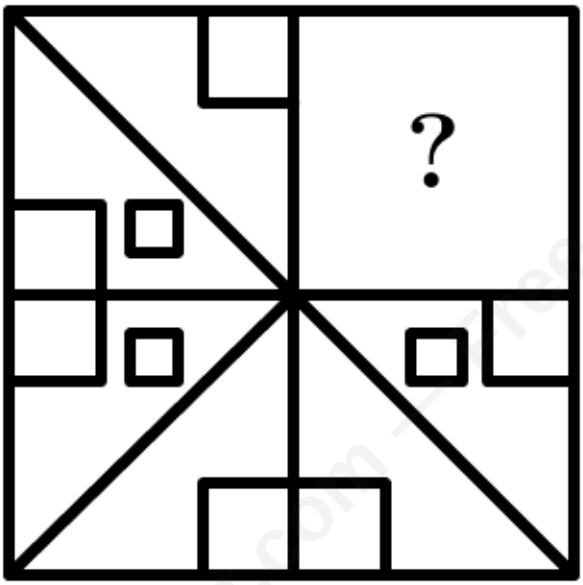
(8, 12, 48)

(6, 18, 54)

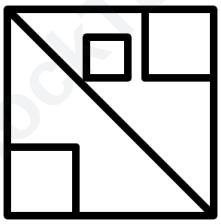
(a) (6, 12, 48)
(b) (4, 8, 12)
(c) (6, 8, 30)
(d) (4, 8, 16)

Q22. Select the figure from the options that can replace the question mark (?) and complete the pattern (rotation is NOT allowed).

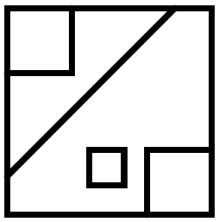
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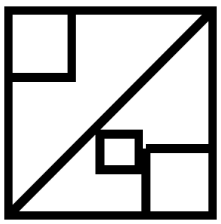
(a)



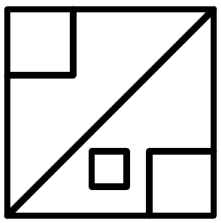
(b)



(c)



(d)



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Q23. 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 R is S.

II. All X are R.

Conclusions:

I. Some R are X.

II. Some S are X.

III. All X are S.

(a) Only conclusion III follows
(b) Only conclusion I follows
(c) None of the conclusions follow
(d) Only conclusion II follows

Q24. In a certain code language, '321' means 'hot branded milk', '653' means 'nice hot day', '985' means 'day and night', then what is the code for 'nice' in the same code language?

(a) 9
(b) 3
(c) 5
(d) 6

Q25. 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.

PRA : SUZ :: GOR : ?

(a) JRU
(b) JSU
(c) JRQ
(d) JSH

NUMERICAL APTITUDE

Q26. The average of 20 numbers is 36. If each number is increased by 4, then what will be the new average?

(a) 44
(b) 46
(c) 40
(d) 36

Q27. Ketan and Kunal can complete a job together in 7 days. Kunal is 7/4 times as efficient as Ketan. In how many days can Kunal alone complete the job?

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

Q28. The marked price of a watch was Rs. 96,000. A man bought the same watch for Rs. 67,584 after getting two successive discounts. If the first discount was of 12%, what was the quantum of the second discount?

(a) 20%
(b) 15%
(c) 10%
(d) 25%

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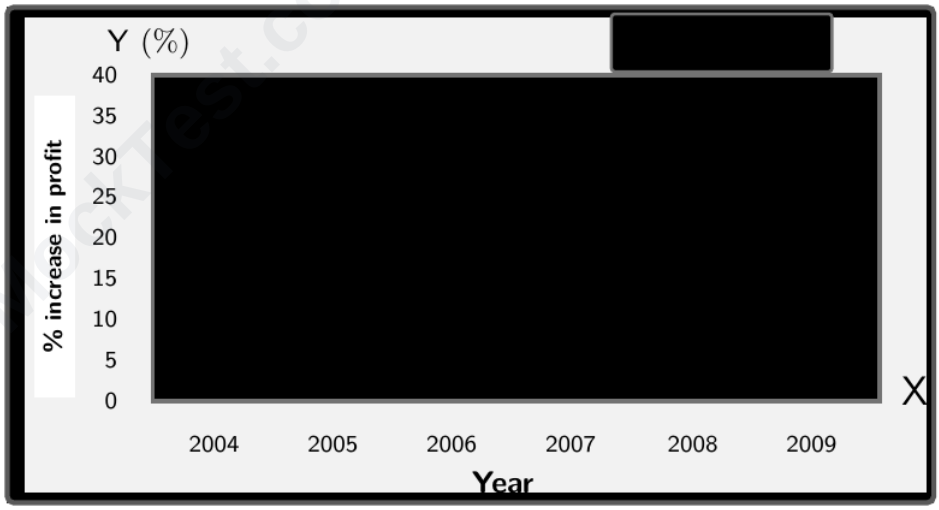
Q29. If the length of one side of a rectangle is twice that of the other side, and its perimeter is 54 cm, then what is the length of the longer side of this rectangle?

(a) 14 cm
(b) 9 cm
(c) 27 cm
(d) 18 cm

Q30. A sum of money, invested at a certain rate of simple interest per annum, amounts to Rs. 720 in 4 years and to Rs. 800 in 5 years. The sum invested is:

(a) Rs. 400
(b) Rs. 600
(c) Rs. 500
(d) Rs. 360

Q31. The following graph shows the percentage rise in the profits of two companies over the years.



What is the average of the percentage increases in the year-to-year profit of Company M over all the given years, taken together? [Give your answer correct to the nearest integer value.]

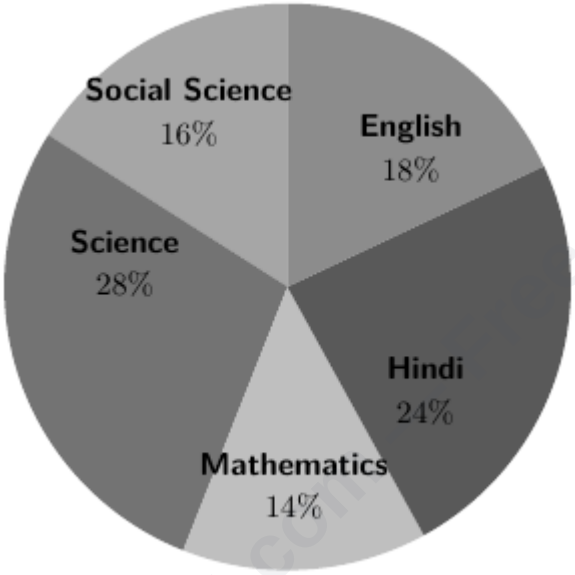
(a) 24%
(b) 20%
(c) 25%
(d) 21%

Q32. Find the amount payable on maturity if Rs. 20,00,000 is invested at 12% per annum for 3/2 years and interest is compounded half-yearly.

(a) Rs. 23,00,832
(b) Rs. 23,82,032
(c) Rs. 24,00,000
(d) Rs. 23,00,000

Q33. The following pie chart shows the share of the marks scored by Rahul in an examination in each of 5 different subjects -English, Hindi, Mathematics, Science and Social Science — as percentages of the total marks scored by Rahul in all the 5 subjects taken together.

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What is the central angle showing the shares of the marks in Hindi and Social Science, taken together?

(a) 186°
(b) 196°
(c) 144°
(d) 172°

Q34. A man buys a watch for Rs. 250 and sells it for Rs. 300. Find his profit percentage.

(a) 20%
(b) 25%
(c) 15%
(d) 10%

Q35. Two vessels of equal capacity, and both completely filled, contain mixtures of milk and water in the ratio of 5 : 1 and 6 : 5, respectively. Both the mixtures are now mixed thoroughly. What is the ratio of milk to water in the new mixture so obtained?

(a) 105 : 67
(b) 57 : 41
(c) 91 : 41
(d) 28 : 43

Q36. A certain sum is divided between four people in the ratio 3 : 4 : 7 : 8, respectively. If the amount received by D is Rs. 408 more than the amount received by B, what is the total amount received by C and D?

(a) Rs. 1,630
(b) Rs. 1,510
(c) Rs. 1,610
(d) Rs. 1,530

Q37. Akbar can complete a piece of work alone in 12 days, while Anthony can complete the same work alone in 20 days. If they work on alternate days with Anthony starting the work, then in how many days can they complete the whole work?

(a) 15 days
(b) 16 days
(c) 144/5 days
(d) 151/5 days

Q38. A train can cross a 1200-metre-long bridge completely in 16 seconds. It can cross a 1600-metre-long bridge completely in 20 seconds. What is the speed of the train?

(a) 360 km/h
(b) 450 km/h
(c) 540 km/h
(d) 270 km/h

Q39. There are 45 students in a hostel. If the number of students increases by 5, the total expenses of the mess increase by Rs. 30 per day while the average daily expenditure per head diminishes by Rs. 2. Find the original total daily expenditure of the mess.

(a) Rs. 1,170
(b) Rs. 1,710
(c) Rs. 1,200
(d) Rs. 1,250

Q40. A person uses a rectangular metallic sheet of 45 m × 30 m for making an open box. From each corner of the sheet he cut offs a square. If the length of one side of each of these squares is 10 m, then what will be the volume of the box (in m^3)?

(a) 5000
(b) 4500
(c) 7000
(d) 2500

Q41. In a class, the average weight of 4 boys is 50 kg and the average weight of 4 girls is 40 kg. What is the average weight of all the 8 students taken together?

(a) 44 kg
(b) 48 kg
(c) 45 kg
(d) 42 kg

Q42. The following table shows the number of songs sung by 6 different singers and uploaded on a streaming website.

Singer	Songs
S1	20
S2	25
S3	15
S4	10
S5	30
S6	20

The average number of views per song for S1, S2 and S3 is 100. The average number of views per song for S4, S5 and S6 is 50. What is the total number of views for all the songs sung by all of the 6 different singers taken together?

(a) 8500
(b) 9000
(c) 9500
(d) 8000

Q43. A man walks at 6 m/sec and reaches his destination in 20 minutes. A woman covers the same distance in 1.2 hours. What is the speed of the woman (in km/h)?

(a) 6
(b) 2
(c) 5
(d) 1

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Q44. Find the LCM of 63, 91 and 133.

(a) 16561
(b) 16651
(c) 11561
(d) 15561

Q45. The price of onion increases by 12.5%. The consumption of onion also increases by 12.5%. What is the approximate percentage increase in the expenditure on account of the purchase of onions?

(a) 29.12%
(b) 24.82%
(c) 28.44%
(d) 26.56%

Q46. The cost price of a saree to a person X was Rs. 100. Person X sells the saree to person Y at a profit of 10% and person Y then sells it to person Z at a loss of 10%. How much does person Z pay for the saree?

(a) Rs. 100
(b) Rs. 99
(c) Rs. 101
(d) Rs. 90

Q47. The value of $(82^2 + 18 \times 26) \div 16$ is:

(a) 451.8
(b) 444.3
(c) 449.5
(d) 447.1

Q48. The length and the breadth of a rectangle are increased by 15% and 10%, respectively. What is the percentage increase in the area of the rectangle?

(a) 25%
(b) 26.5%
(c) 27.5%
(d) 26%

Q49. Thrice the length of the diameter of a circle is 10 cm less than its circumference. What is the radius of the circle? [Use $\pi = 22/7$]

(a) 28 cm
(b) 14 cm
(c) 70 cm
(d) 35 cm

Q50. The value of 144/9 + 165/27 + 25/54 is:

(a) 3217/18
(b) 3213/18
(c) 3113/18
(d) 3211/18

GENERAL ENGLISH

Q51. Select the most appropriate option to fill in the blank.

The pirates will try to _____ the gold ornaments.

(a) cease
(b) seize
(c) slice
(d) steel

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Q52. Select the most appropriate word for the given group of words.

One who collects coins

(a) Bibliophile
(b) Enthusiast
(c) Philatelist
(d) Numismatist

Q53. Direction: Select the most appropriate synonym of the underlined word in the given sentence.

I may sound crazy but I am not an imbecile.

(a) Credible
(b) Prudent
(c) Dunce
(d) Sage

Q54. Select the most appropriate option to fill in the blank.

Rescuers used a special device for finding people _____ in collapsed buildings.

(a) conquered
(b) trapped
(c) exceeded
(d) blossomed

Q55. Select the most appropriate option to fill in the blank.

If nature _____ to degrade, the world's economic output will suffer sooner or later.

(a) Continues
(b) Continue
(c) Continued
(d) continuing

Q56. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

He pays me six dollars the month of this house.

(a) No improvement required
(b) an month for these
(c) a month over this
(d) a month for this

Q57. Select the most appropriate synonym of the given word.

Fatal

(a) Luminous
(b) Restorative
(c) Serene
(d) Deadly

Q58. Select the most appropriate synonym of the underlined word from the given sentence.

He leaned left, bringing the blunt side of his sword up flat against his palm.

(a) sharp
(b) dull
(c) timid
(d) keen

Q59. Select the INCORRECTLY spelt word.

(a) Accede
(b) Accost
(c) Abstruce

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(d) Abnegation

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

A large bundle bound for storage or transport

(a) Antagonist
(b) Belligerent
(c) Bale
(d) Apiary

Q61. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

She was stuck in his imagination for many a hour as a force to be reckoned with.

(a) his imagination for many hour as a force
(b) his imagination for many an hour as a force
(c) his imagination for many an hours as a force
(d) No improvement required

Q62. Select the most appropriate meaning of the underlined idiom.

Does my name ring a bell for you?

(a) To sound familiar
(b) To be very frightened
(c) To take advantage
(d) To mock someone

Q63. 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.'

The laws of nature are unbiased, ensuring that each person benefits from its bounties.

(a) No substitution required
(b) were unbiased
(c) is unbiased
(d) was unbiased

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.

How the students approach / education today has / altered significant.

(a) altered significant
(b) education today has
(c) No error
(d) How the students approach

Q65. Select the most appropriate meaning of the given idiom.

Kick someone when they are down

(a) To create a disturbance deliberately
(b) To reject or disown friends
(c) To be angry with or disappointed in someone
(d) To cause further trouble to someone already in a difficult situation

Q66. Select the correctly spelt word.

(a) Definitely
(b) Definately
(c) Defenately
(d) Difinately

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

I am planning a get together _____ Monday.

(a) at
(b) upon
(c) along
(d) on

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

Vicious

(a) Influential
(b) Gentle
(c) Privileged
(d) Poor

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.

All the problems occurred / because she does not / hear my words to follow the instructions.

(a) because she does not
(b) All the problems occurred
(c) No error
(d) hear my words to follow the instructions.

Q70. Parts of the given 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.

I like reading fictional stories besides write poems.

(a) No error
(b) fictional stories besides
(c) write poems
(d) I like reading

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.

No matter how ____ (1) __ time you __ (2) __ to improve your mental and emotional health, you will still need the company of __ (3) __ to feel and function at your best. Humans are social __ (4) __ with emotional needs for relationships and positive connections to others. We're not meant to survive, __ (5) ____ alone thrive, in isolation.

Q71. Select the most appropriate option to fill in blank No. (1)

(a) many
(b) great
(c) more
(d) much

Q72. Select the most appropriate option to fill in blank No. (2)

(a) devote
(b) promote
(c) assess
(d) proceed

Q73. Select the most appropriate option to fill in blank No. (3)

(a) some
(b) any
(c) others
(d) few

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Q74. Select the most appropriate option to fill in blank No. (4)

(a) kingdoms
(b) populations
(c) creatures
(d) lives

Q75. Select the most appropriate option to fill in blank No. (5)

(a) have
(b) lest
(c) let
(d) get

GENERAL AWARENESS

Q76. Small Industries Development Bank of India (SIDBI) is regulated by _____.

(a) Indian Bank
(b) Reserve Bank of India
(c) ICICI Bank
(d) State Bank of India

Q77. Pattadakal dance festival is organized in which state of India?

(a) Assam
(b) Manipur
(c) Karnataka
(d) Jharkhand

Q78. As per the Preamble of the Constitution of India, India is a/an _____.

(a) oligarchy
(b) monarchy
(c) republic
(d) aristocracy

Q79. Which of the following universities was founded by Kumaragupta, the ruler of the Gupta dynasty?

(a) Delhi University
(b) Nalanda University
(c) Pune University
(d) Taxila University

Q80. Manika Batra is associated with which sport?

(a) Wrestling
(b) Badminton
(c) Boxing
(d) Table Tennis

Q81. According to the Constitution of India, there shall be a Comptroller and Auditor General of India who shall be appointed by the _____.

(a) Prime Minister of India
(b) Attorney General of India
(c) President of India
(d) Chief Justice of India

Q82. Khajuraho temple in Madhya Pradesh is an example of _____ style of temple architecture.

(a) Dravida
(b) Vesara
(c) Nagara

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(d) Hoysala

Q83. When a cell divides by meiosis it produces _____ new cells.

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

Q84. _____ is the largest tropical rainforest in the world.

(a) Sahara
(b) Amazon
(c) Cango
(d) Prairies

Q85. The Inland Vessels Bill, 2021 is associated with the Ministry of _____.

(a) Jal Shakti
(b) Civil Aviation
(c) Home Affairs
(d) Ports, Shipping and Waterways

Q86. What was the original name of Swami Vivekananda?

(a) Mula Sankara
(b) Narendranath Dutta
(c) Vardhamana
(d) Nrusimha Bhan

Q87. Limestone, chalk and marble are different forms of _____.

(a) calcium carbonate
(b) sodium carbonate
(c) potassium carbonate
(d) magnesium carbonate

Q88. Which TMC candidate won the Ballygunge (West Bengal) by-poll election in April 2022?

(a) Babul Supriyo
(b) Amit Shah
(c) Mamata Banerjee
(d) Derek O'Brien

Q89. Which of the following states has the highest reserves of haematite ore in India?

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

Q90. Alarmel Valli is associated with which classical dance of India?

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

Q91. 'Wings of Fire' is a famous autobiography of which Indian scientist?

(a) Homi J Bhabha
(b) CV Raman
(c) APJ Abdul Kalam
(d) Vikram Sarabhai

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Q92. In its longitudinal extent, the Himalaya consists of _____ parallel ranges.

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

Q93. Pulakesin I was the founder of _____ dynasty of South India.

(a) Chera
(b) Pandya
(c) Chalukya
(d) Chola

Q94. Which of the following cell organelles help to keep the cell clean by digesting any foreign material as well as worn-out cell organelles?

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

Q95. Who among the following is a famous tennis player?

(a) Neeraj Chopra
(b) Milkha Singh
(c) Mahesh Bhupathi
(d) TC Yohannan

Q96. The number of live births per thousand persons in a year is called _____.

(a) growth rate
(b) fertility rate
(c) death rate
(d) birth rate

Q97. According to the Socio-Economic Census 2015, which state has the largest population of households with 'destitute / living on alms'?

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

Q98. MS Subbulakshmi was a famous _____ singer of India.

(a) Jazz
(b) Carnatic
(c) Hiphop
(d) Rock

Q99. Mangal Pandey was hanged to death for attacking British officers in Barrackpore on _____.

(a) 21 March 1857
(b) 23 March 1857
(c) 31 March 1857
(d) 8 April 1857

Q100. Pandit Birju Maharaj who passed away in January 2022 was related with which classical dance of India?

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

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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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