SSC MTS Previous Year Paper (Held on: 15 July 2022 Shift 2)

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

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GENERAL INTELLIGENCE & REASONING

Q1. Marks obtained by the seven students of a tuition class, P, Q, R, S, T, U and V, are mentioned. P scored second highest marks in the class. Marks scored by V were more than only one of the persons. S's score was more than T but less than P. Three people got higher than T and three got lesser than T. Neither R nor Q received the lowest marks. Given that no two students have the same marks, whose marks were the lowest?

(a) S
(b) U
(c) T
(d) V

Q2. 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. All X are A.

II. Some R are X.

Conclusions:

I. Some A are R.

II. All R are A.

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

Q3. 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:

Some pillows are covers.

All bedsheets are covers.

Conclusions:

I. All covers are bedsheets.

II. Some pillows are bedsheets.

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

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Q4. 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.

CAT : FFA :: ANT : DSA :: SUN : ?

(a) VYU
(b) VZT
(c) VZU
(d) VZV

Q5. 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.

PRM : INL :: AJK : ?

(a) GFW
(b) GEX
(c) GFX
(d) GEW

Q6. In a certain code language, 'TALENT' is written as 'VXNBPQ', and 'HORDIN' is written as 'JLTAKK'. How will 'AKRPQB' be written in that language?

(a) CTHMSY
(b) CHTNTY
(c) CHTMSY
(d) CITMSY

Q7. 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.

ABROAD : RBADAO :: DEMAND : MEDDNA :: HONEST : ?

(a) NOHTSE
(b) NHOTES
(c) TESNOH
(d) NOHTES

Q8. 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.

121 : 145 :: 169 : 197 :: 256 : ?

(a) 325
(b) 280
(c) 290
(d) 288

Q9. Which two numbers should be interchanged to make the given equation correct?

10 + 2 × 12 ÷ 6 − 4 = 16

(a) 6 and 12
(b) 2 and 10
(c) 10 and 4
(d) 2 and 4

Q10. Select the number from among the given options that can replace the question mark (?) in the following series.

503, 509, 521, 539, ?

(a) 576
(b) 545
(c) 563
(d) 535

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Q11. 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.

75 : 63 :: 189 : 171 :: 55 : ?

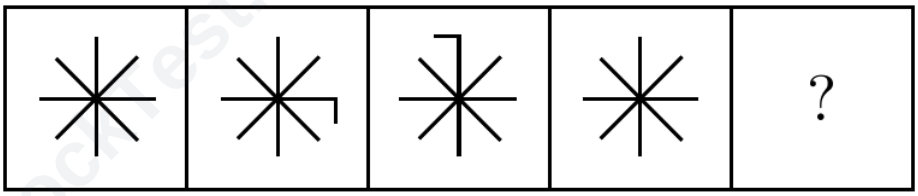
(a) 45
(b) 43
(c) 37
(d) 54

Q12. Select the option in which the two numbers are related in the same way as are the numbers in the given number pair.

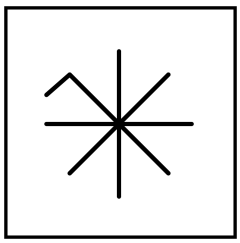
135: 27

(a) 705 : 143
(b) 595 : 117
(c) 625 : 125
(d) 865 : 215

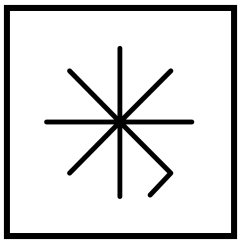
Q13. Select the figure from among the given option that can replace the question mark (?) in the following series.



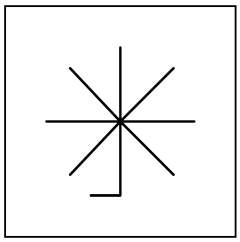
(a)



(b)

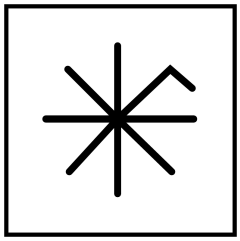


(c)



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(d)



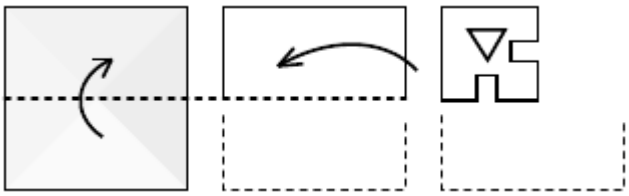
Q14. In a certain code language, 'They play Football' is written as 'po la ta', 'They like playing' is written as 'la to zu', 'Football is best game' is written as 'xu po ba cu'.How will ‘Football’ be written in that language?

(a) po
(b) xu
(c) zu
(d) la

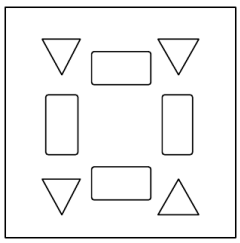
Q15. A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Some of them are sitting at the corners while some are sitting at the exact centre of the sides. F sits third to the left of H. F sits at one of the corners. C sits second to the right of G. G does not sit at any of the corners. G is not an immediate neighbour of F. A is an immediate neighbour of B. A does not sit in any of the middles of the sides. Only three people sit between A and D. Who sits second to the left of D?

(a) G
(b) F
(c) E
(d) A

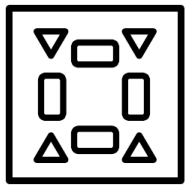
Q16. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



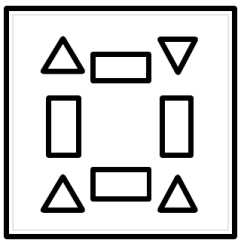
(a)



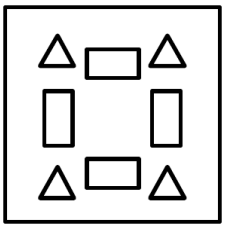
(b)



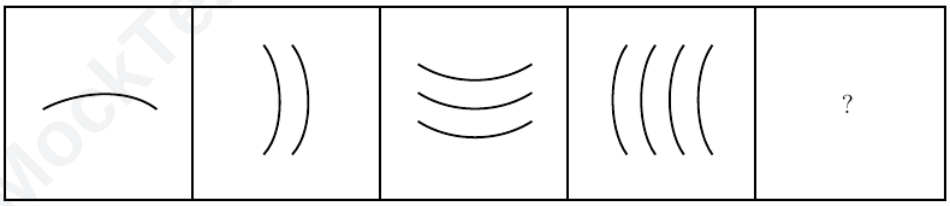
(c)



(d)



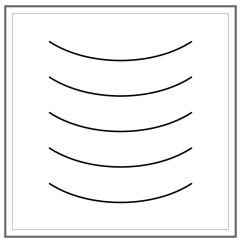
Q17. Select the figure from among the given option that can replace the question mark (?) in the following series.



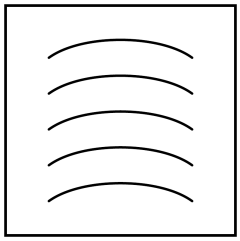
(a)



(b)



(c)



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(d)



Q18. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q19. In a certain code language, 'ENJOY' is coded as '25' and 'DOCTOR' is coded as '36'. How will 'MILLION' be coded in that language?

(a) 39
(b) 49
(c) 51
(d) 64

Q20. What will come in the place of '?' in the following equation, if '×' and ' – ' are interchanged and also '+' and '÷' are interchanged?

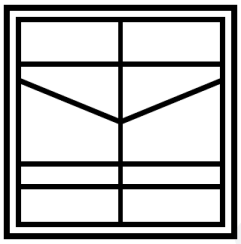
10 × 4 + 2 − 5 ÷ 4 = ?

(a) 6
(b) 8
(c) 4
(d) 2

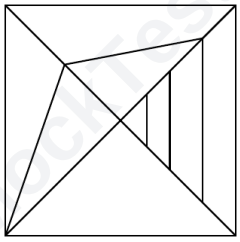
Q21. Select the option figure in which the given figure is embedded.



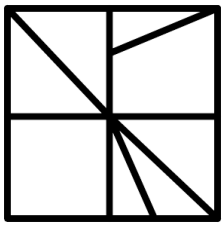
(a)



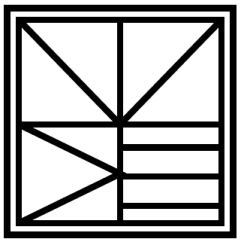
(b)



(c)



(d)



Q22. Five people A, B, C, D and E are sitting in a straight row facing North. E is sitting immediately next to D, C is sitting immediately next to B, and B is not sitting with A who is on the left end of the bench. C is in the second position from the right. E is to the right of D and A. E and C are sitting together. What is the position of E?

(a) Immediate neighbour of both A and B
(b) Immediate neighbour of both C and A
(c) Immediate neighbour of both D and B
(d) Immediate neighbour of both D and C

Q23. In a certain code language, 'GROW' is written as 'RGWO', 'PINK' is written as 'IPKN'. How will 'HALD' be written in that code language?

(a) DLAH
(b) AHDL
(c) HADL

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(d) AHLD

Q24. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BY, ?, DW, EV, FU

(a) CE
(b) AX
(c) AU
(d) CX

Q25. Select the correct mirror image of the given combination when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



NUMERICAL APTITUDE

Q26. What is the simple interest on Rs. 4,840 at 6% per annum for 10 years?

(a) Rs. 6,840
(b) Rs. 8,462
(c) Rs. 2,904
(d) Rs. 3,540

Q27. What is the ratio of 84 pens to 108 pens?

(a) 6 : 11
(b) 7 : 12
(c) 5 : 7
(d) 7 : 9

Q28. In the first 20 overs of a cricket game, the run rate was only 2.4 per over. What should the run rate in the remaining 30 overs be to reach a target of 308 runs? [Give your answer correct to one decimal place.]

(a) 5.8
(b) 7.2
(c) 6.4
(d) 8.7

Q29. Find the average of 12, 25, 15, 25 and 45.

(a) 12.4
(b) 22.4
(c) 25.4
(d) 24.4

Q30. On selling 15 balls for Rs. 450, there is a loss equal to the cost price of 5 balls. The cost price of a ball is:

(a) Rs. 23
(b) Rs. 54
(c) Rs. 45
(d) Rs. 32

Q31. The curved surface area of a right circular cone is 44 cm^2. If the slant height of the cone is 7 cm, then find the radius of its base.[Use $\pi = 22/7$]

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

Q32. The average of nine numbers is 20. If two of these numbers are removed, then the average becomes 18. What is the sum of the two numbers that are removed?

(a) 56
(b) 58
(c) 54
(d) 52

Q33. The surface area of a sphere is 2464 cm^2. Find the radius of the sphere. [Use $\pi = 22/7$]

(a) 14 cm
(b) 28 cm
(c) 42 cm
(d) 40 cm

Q34. There is 10% water in a 40-liter solution of milk and water. If 10 litres of water are added to this solution, then what percentage of the new solution will be water?

(a) 25%
(b) 20%
(c) 35%
(d) 28%

Q35. If p : q is 5 : 6 and q : r is 2 : 5, than what is p : q : r?

(a) 15 : 6 : 5
(b) 5 : 6 : 5
(c) 5 : 6 : 15
(d) 5 : 2 : 6

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Q36. A 200 m long train is running at a speed of 100 km/h. In how much time will it pass a man standing near the railway line?

(a) 10.4 sec
(b) 9.2 sec
(c) 7.2 sec
(d) 6.4 sec

Q37. Find the second smallest number which, when divided by 81 or 63, leaves a remainder of 7 in each case.

(a) 1246
(b) 1141
(c) 1362
(d) 1137

Q38. The ratio of the cost price and the selling price is 5 : 3. What is the loss percentage?

(a) 35%
(b) 40%
(c) 25%
(d) 30%

Q39. When we subtract a number from 11, we get 10% of that number. Find the number.

(a) 3.5
(b) 10
(c) 4.5
(d) 5.4

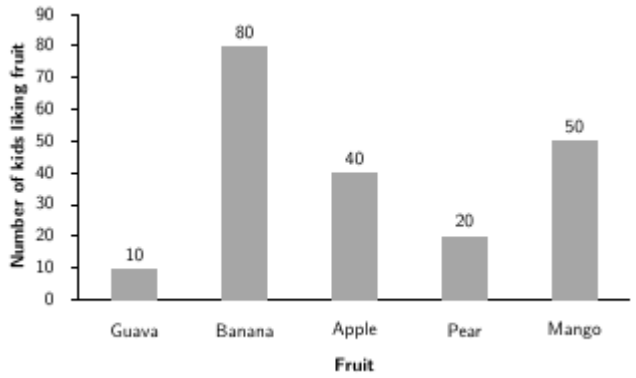
Q40. The length of each side of a cube is 24 cm. The volume of the cube is equal to the volume of a cuboid. If the breadth and the height of the cuboid are 32 cm and 12 cm, respectively, then what will by the length of the cuboid?

(a) 36 cm
(b) 56 cm
(c) 48 cm
(d) 42 cm

Q41. Nalini purchased 20 dozen apples at Rs. 48 per dozen. She sold 8 dozen of them at 10% profit and the remaining 12 dozen at 20% profit. What is the overall profit percentage gained in this transaction?

(a) 10%
(b) 45%
(c) 16%
(d) 22%

Q42. The following bar graph shows the number of kids who like different fruits.



What percentage of kids like bananas or apples?

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

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(d) 60%

Q43. What is the value of (1 ÷ 4) + (1 ÷ 6) - {(1 ÷ 8) ÷ (1 ÷ 4)}?

(a) -(11 ÷ 12)
(b) -(5 ÷ 12)
(c) -(7 ÷ 12)
(d) -(1 ÷ 12)

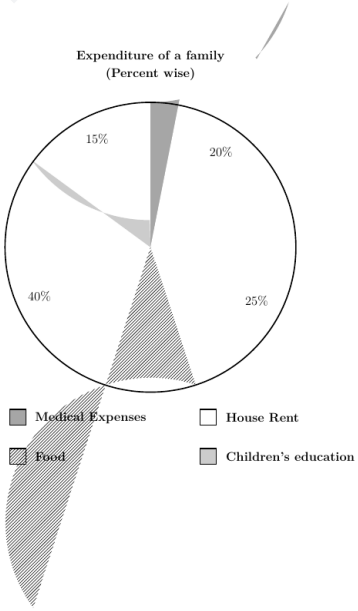
Q44. P1 and P2 can do a piece of work together in 14 days, P2 and P3 can do the same work together in 21 days, while P3 and P1 can do it together in 42 days. How much work can all the 3 together do in 12 days?

(a) 5/6
(b) 5/7
(c) 6/7
(d) 3/7

Q45. N1 alone can do 20% of a piece of work in 6 days, N2 alone can do 20% of the same work in 4 days, and N3 alone can do 50% of the same work in 12 days. In how many days can they complete the work, if all of them work together?

(a) 10 days
(b) 120/13 days
(c) 8 days
(d) 120/17 days

Q46. The following pie chart chows the various expenses of a family, as percentages of total expenditure of the family during a period.



If the total expenditure of the family during that period was Rs. 2,00,000, then find the amount spent on medical expenses.

(a) Rs. 5,000
(b) Rs. 20,000
(c) Rs. 10,000
(d) Rs. 40,000

Q47. The following table shows the monthly expenses (in Rs.) of three persons.

Expenses (in Rs.)	Person A	Person B	Person C
Housing or Rent	15,000	10,000	12,000
Travel	2,000	2,500	3,000
Food	5,000	4,500	6,000

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Bills	5,000	4,000	4,500
Entertainment	3,000	4,000	4,000
Savings	10,000	15,000	10,500

What is the total expenses of all three persons on Food?

(a) Rs. 15,000
(b) Rs. 14,500
(c) Rs. 20,500
(d) Rs. 15,500

Q48. What sum of money should be invested to earn a simple interest of Rs. 5,040 in 3 years and 6 months at 12% rate of interest per annum?

(a) Rs. 9,000
(b) Rs. 11,000
(c) Rs. 15,000
(d) Rs. 12,000

Q49. What is the value of 1.5 - 0.5 {(9 + 2) - 5} ?

(a) -1.5
(b) 11
(c) 9
(d) 5

Q50. If a taxi travels 600 m in 12 min, then how fast is it going?

(a) 45 m/min
(b) 90 m/min
(c) 50 m/min
(d) 70 m/min

GENERAL ENGLISH

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

My son turned a year older on his birthday recently _____ March 14.

(a) at
(b) over
(c) in
(d) on

Q52. 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.

If you want to help bees, make sure your family don’t use pesticides in your yard.

(a) use pesticides in your yard
(b) If you want to help bees,
(c) make sure your family don't
(d) No error

Q53. Select the most appropriate option to fill in the blank.

He didn't tell me anything _____ that he needed some money.

(a) despite
(b) except
(c) in spite
(d) though

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Q54. Select the option that can be used as a one-word substitute for the given group of words.

The study of human mind and behaviour

(a) Paediatrics
(b) Botany
(c) Physiology
(d) Psychology

Q55. Select the correctly spelt word.

(a) Librery
(b) Library
(c) Libraery
(d) Libarary

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

Water and minerals presented to the soil are absorbed by the roots..

(a) No improvement required
(b) presented at the soil
(c) present in the soil
(d) present for the soil

Q57. Select the option that can be used as a one-word substitute for the given group of words.

One who studies insect life

(a) Activist
(b) Cardiologist
(c) Entomologist
(d) Naturalist

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

Give yourself a _____ and get some rest.

(a) Brake
(b) Break
(c) Blank
(d) Brick

Q59. Select the most appropriate meaning of the underlined idiom in the given sentence.

Keep an eye on your sister as she might run away.

(a) To help someone
(b) To stop caring
(c) To act superior to someone
(d) To watch over attentively

Q60. Select the most appropriate synonym of the given word.

Definite

(a) precise
(b) Ample
(c) Inclusive
(d) General

Q61. Select the most appropriate option to fill in the blank.

The commander abjured his _____to the king.

(a) regulation
(b) reliance
(c) sequence

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(d) allegiance

Q62. Select the option that corrects the misspelt words in the given sentence.

There is a feling of hopelesness among the youth.

(a) There is a feeling of hoplesnes among the youth
(b) There is a fealing of hopelesnes among the youth.
(c) There is a feling of hopelesness among the youth.
(d) There is a feeling of hopelessness among the youth.

Q63. Select the most appropriate ANTONYM of the underlined word in the given sentence.

All these rules seem to be irrelevant.

(a) Reluctant
(b) Meaningful
(c) Meagre
(d) Incidental

Q64. Select the most appropriate option to fill in the blank.

Mr. Pearson interrupted their harmless _____ and reminded them of the seriousness of the situation.

(a) field
(b) trouble
(c) guile
(d) chatter

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

Impressive

(a) Dramatic
(b) Significant
(c) Ordinary
(d) Industrious

Q66. Select the most appropriate meaning of the given idiom.

No spring chicken

(a) A person who is courageous
(b) A person who steals
(c) A person who is no longer young
(d) A person who lies

Q67. 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.

The last time this competition was held at 2017.

(a) No error
(b) this competition was
(c) held at 2017
(d) The last time

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

Proficient

(a) Dominant
(b) Accomplished
(c) Modest
(d) Predictable

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Q69. Select the option that will improve the bracketed part of the sentence. In case no improvement is needed, select 'No improvement required'.

In the past, (he spent many an hours playing the harp across the) 5^(th)Ave.

(a) he spent many an hour playing the harp across the
(b) he spent much hours playing the harp across the
(c) No improvement required
(d) he had spent many an hours playing the harp across the

Q70. 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.

A part of me don't wanted you to go to the party.

(a) No error
(b) A part of me
(c) don't wanted you
(d) to go to the party

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.

Starting and (1) ____ a positive daily morning routine is an investment and a way to do your best work every day. It also gives you structure, building forward-moving habits and creating momentum for the rest of the day. It helps you to (2) __ priorities, limit procrastination, keep track of your goals. Your brain is at its (3) __ in the morning. And you can get your best work and tasks done without struggle. But distractions can get the best of us. You get distracted and procrastinate. You make plans the previous day to get your most (4) __ task done first thing in the morning, but you don't follow through on them. You are able to get things (5) ____ but not the right things.

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

(a) maintainable
(b) maintaining
(c) maintain
(d) maintenance

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

(a) established
(b) establishing
(c) establishment
(d) establish

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

(a) pick
(b) peak
(c) pique
(d) peek

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

(a) importantly
(b) importance
(c) important
(d) Import

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

(a) doable
(b) do
(c) did
(d) done

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GENERAL AWARENESS

Q76. The breaking up of the rocks on the earth's surface is called _____.

(a) conurbation
(b) weathering
(c) desertification
(d) flacking

Q77. The foundation stone of 'Banas Dairy Sankul' scheme in Uttar Pradesh was laid by _____.

(a) Narendra Singh Tomar
(b) Amit Shah
(c) Smriti Irani
(d) Narendra Modi

Q78. Which of the following statements is INCORRECT?

(a) Fiat money is issued without any backing of an equivalent amount of gold or silver.
(b) Money Multiplier is the ratio of money supply to the reserve money.
(c) In Time Deposits, money can be withdrawn only after maturity or with a penalty before maturity.
(d) Vault cash is also a part of the money supply.

Q79. Which of the following statements is INCORRECT?

(a) Metals react with oxygen to form basic oxides.
(b) Non-metals are malleable.
(c) Non-metals do not produce any sound.
(d) Metals have low ionisation enthalpy.

Q80. Which of the following dance forms is performed by devotees during the ceremonial worship of Murugan, the Tamil God of War?

(a) Mayilattom
(b) Therukoothu
(c) Kavadi Aattam
(d) Kummi

Q81. Who among the following administers the union territories of India?

(a) Chief Minister
(b) President
(c) Prime Minister
(d) Member of Legislative Assembly

Q82. Who among the following formed the Tattvabodhini Sabha in 1839?

(a) Ramakrishna Paramahamsa
(b) Debendranath Tagore
(c) Swami Dayanand Saraswati
(d) Keshab Chandra Sen

Q83. Who among the following was given the title of 'Uttarapatha Swamin'?

(a) Mahipala
(b) Devapala
(c) Dharmapala
(d) Gopala

Q84. Pandit Ravi Shankar is famous for playing which of the following instruments?

(a) Santoor
(b) Sarod
(c) Veena

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(d) Sitar

Q85. Who among the following dancers was the first Odissi dancer of foreign origin to be conferred the Padma Shri in 2006?

(a) Eri Nakamura
(b) Ileana Citaristi
(c) Mrinalini Sarabhai
(d) Sofia Boutella

Q86. Ocean acidification is the ongoing decrease in the pH of the Earth's oceans, caused by the uptake of _____ from the atmosphere.

(a) methane
(b) carbon dioxide
(c) nitrogen
(d) argon

Q87. Which Act was passed in 1929 prohibiting marriage of girls below 14 and boys below 18 years of age?

(a) Pitt's India Act
(b) Sharda Act
(c) Vernacular Press Act
(d) Rowlett Act

Q88. Vinegar used in cooking contains which of the following compounds?

(a) Methanol
(b) Sodium sulphate
(c) Ammonia
(d) Acetic acid

Q89. With respect to communication, 'Doordarshan' in India is a _____.

(a) National web browser
(b) National radio channel
(c) National television channel
(d) National newspaper

Q90. How many medals in total did India win at the Summer Olympics 2020 (played in 2021)?

(a) 3
(b) 6
(c) 7
(d) 5

Q91. The construction of the Taj Mahal in Agra was completed in _____.

(a) 1653
(b) 1632
(c) 1648
(d) 1634

Q92. Article 23 and Article 24 of the Indian Constitution deal with which of the following Fundamental Right?

(a) Right against Exploitation
(b) Right to Freedom
(c) Right to Equality
(d) Right to Freedom of Religion

Q93. Who among the following authors wrote 'Train to Pakistan'?

(a) Kiran Desai
(b) RK Narayan
(c) Arundhati Roy

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(d) Khushwant Singh

Q94. Kumarakom boat race is the most admired boat race to take place on the Vembanad Lake in September during the _____ festival.

(a) Lohri
(b) Deepavali
(c) Nowruz
(d) Onam

Q95. Where does the Alaknanda river join the Bhagirathi river in India?

(a) Devprayag
(b) Dehradun
(c) Prayagraj
(d) Champawat

Q96. Ain-i-Akbari which is the third volume of the book 'Akbar Nama' deals with _____.

(a) Akbar's ancestors
(b) Akbar's events of Akbar's reign
(c) Akbar's religion
(d) Akbar's administration

Q97. The Indian cricket team won the final match of the 2011 ICC ODI Cricket World Cup Championship by defeating the team from which country?

(a) Australia
(b) Pakistan
(c) Sri Lanka
(d) New Zealand

Q98. Sanjiv Kapoor has been appointed as the new Chief Executive Officer of _____. His appointment will be effective from 4 April 2022.

(a) Jet Airways
(b) AirAsia
(c) GoAir
(d) SpiceJet

Q99. India shares its land boundary with _____ in the north-west.

(a) Myanmar
(b) Bhutan
(c) Bangladesh
(d) Afghanistan

Q100. As per Census 2011, which of the following was the most literate state of India?

(a) Chhattisgarh
(b) Bihar
(c) Kerala
(d) Punjab

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

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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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