SSC MTS Previous Year Paper (Held on: 21 July 2022 Shift 2)

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.

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

GENERAL INTELLIGENCE & REASONING

Q1. Select the number from among the given options that can replace the question mark (?) in the following series.

79, 81, 84, 89, 96, ?

(a) 106
(b) 109
(c) 107
(d) 105

Q2. Six boys A, B, C, D, E, and F are sitting in a straight row facing north (not necessarily in the same order). B sits second to the right of D. A sits fourth to the left of F. F is not sitting on the extreme ends of the row. C sits second to the right of B. Who sits second to the right of A?

(a) F
(b) E
(c) B
(d) D

Q3. Among five friends A, B, C, D and E, C is older than only one friend. E is older than D. Only two persons are older than D. B is older than E. Who is the youngest among all the friends?

(a) D
(b) E
(c) C
(d) A

Q4. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

LAB : BAL : : ?

(a) ONM : MNO
(b) PIN : INP
(c) GRB : GRB
(d) TOM : MTO

Q5. In a certain code language, 'FRIGHT' is coded as '860432', and 'HEAR' is coded as '3156'. How will 'EAFT' be coded in that language?

(a) 1568
(b) 1582
(c) 1528
(d) 1584

Q6. 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:

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All snakes are ants.

No ant is a lizard.

Conclusions:

I: Some ants are snakes.

II: Some snakes are lizards.

(a) Only I follows

(b) Both I and II follow

(c) Only II follows

(d) Neither I nor II follows

Q7. 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.

(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 / deleting / 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)

53 : 35 :: 37 : 73 :: 24 : ?

(a) 44

(b) 54

(c) 42

(d) 22

Q8. Which two signs need to be interchanged to make the following equation correct?

2 + 5 - 3 × 6 ÷ 2 = 14

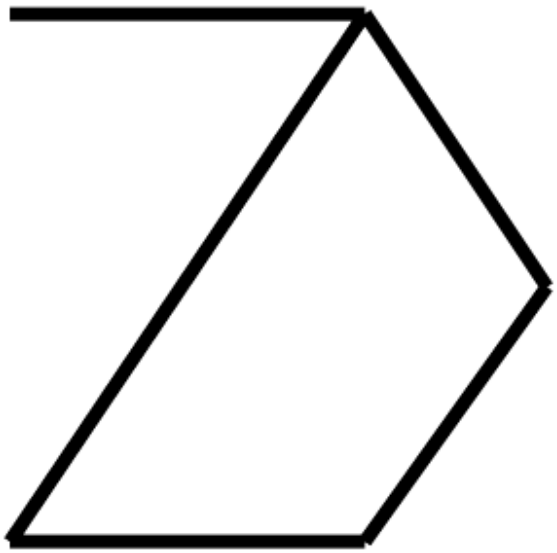
(a) • and ÷

(b) × and ÷

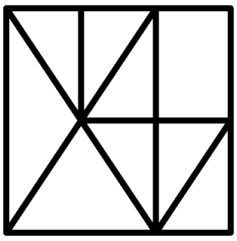
(c) • and ×

(d) • and ×

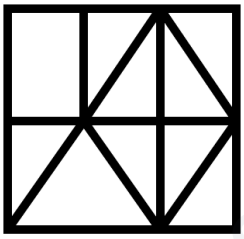
Q9. Select the option figure in which the given figure is embedded (rotation is NOT allowed.)



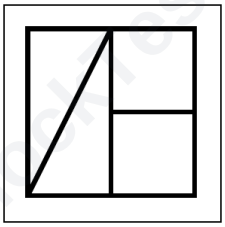
(a)



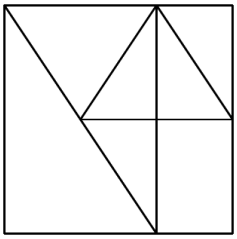
(b)



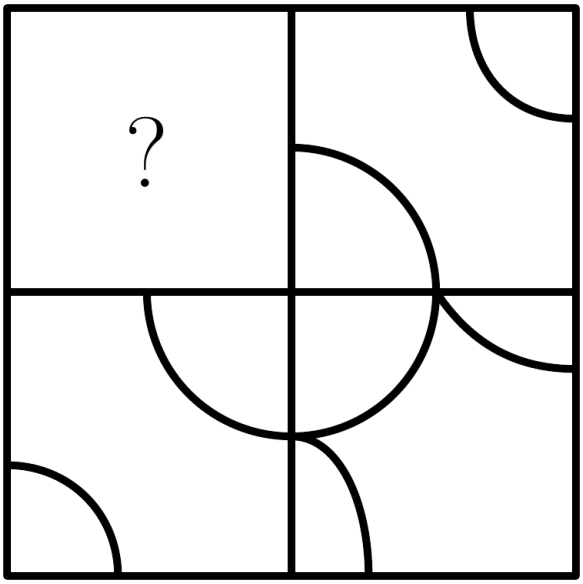
(c)



(d)

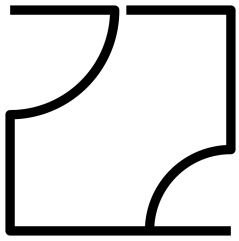


Q10. Select the figure from the options that can replace the question mark (?) and complete the pattern.

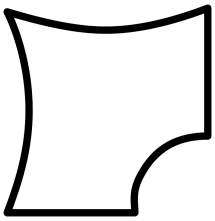


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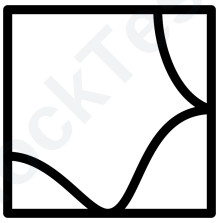
(a)



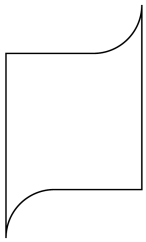
(b)



(c)

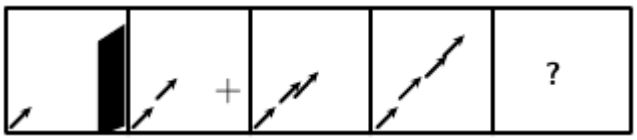


(d)

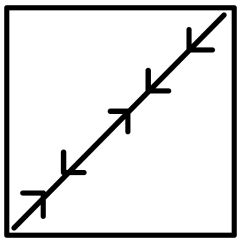


Q11. Select the figure from among the given options that can replace the question mark (?) in the following series.

[Figure: see this question online]

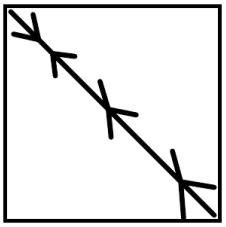


(a)

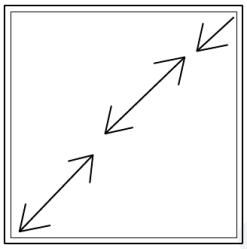


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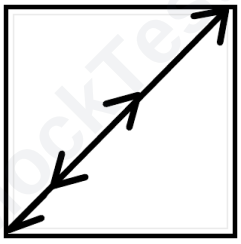
(b)



(c)



(d)



Q12. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)

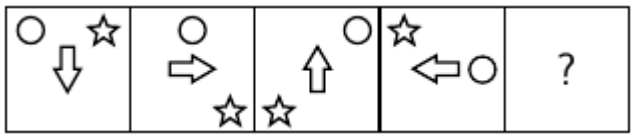


(d)

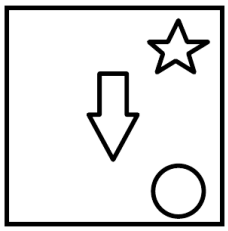


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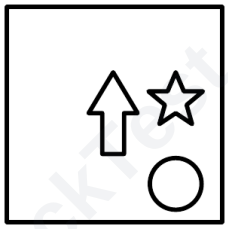
Q13. Select the figure from among the given options that can replace the question mark (?) in the following series.



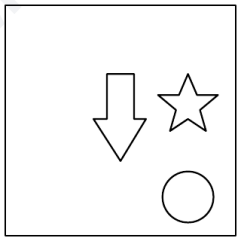
(a)



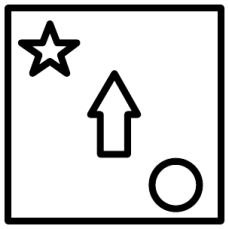
(b)



(c)



(d)



Q14. Six students, Aryan, Shreya, Arshit, Puneet, Kaushal and Harsh, are sitting around a circular table facing the centre (but not necessarily in the same order). Shreya is sitting second to the right of Puneet. Arshit and Harsh are not the immediate neighbours of Shreya. Puneet is third to the right of Aryan. Harsh is sitting second to the left of Kaushal.

Who is the immediate neighbour of Shreya and Puneet?

(a) Aryan
(b) Harsh
(c) Kaushal
(d) Arshit

Q15. In a certain code language, 'TRICAD' is written as 'FBEJTU', and 'OPQSBG' is written as 'ICURRP'. How will 'ABKLMN' be written in that language?

(a) PNMLOB
(b) PNNLDB
(c) PNNKDB
(d) PMMLDB

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Q16. 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.

(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 /deleting /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)

133 : 666 :: 157 : 786 :: 221 : ?

(a) 1106
(b) 1108
(c) 1105
(d) 1104

Q17. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

RAT, UEY, XID, ?, DQN

(a) AMI
(b) ANI
(c) ANJ
(d) AMJ

Q18. In a certain code language, 'LOWER' is coded as '37', and 'OVER' is coded as '06'. How will 'MELON' be coded in that code language?

(a) 95
(b) 28
(c) 82
(d) 59

Q19. 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:

No phone is mobile.

Some mobiles are telephones.

Conclusions:

I. All phones being telephones is a possibility.

II. Some telephones are not mobiles.

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

Q20. Which two signs and two numbers (NOT digits) need to be interchanged to make the given equation correct?

16 + 15 - 25 × 4 ÷ 5 = 20

(a) × and ÷, 16 and 25
(b) • and -, 4 and 25
(c) × and ÷, 16 and 4
(d) • and ×, 15 and 25

Q21. In a certain code language, 'CHILDREN' is written as 'OFSEMJID', 'CURTAIN' is written as 'OJBUSVD', and 'LIQUID' is written as 'EJVRJM'. How will 'PERFORMANCE' be written in that language?

(a) FDOBNSPGSFQ
(b) QFSGPSNBODF
(c) FDBONPSGFQ
(d) PQFRPMSADFE

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Q22. Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Year : Month :: Week : Day :: Minute : ?

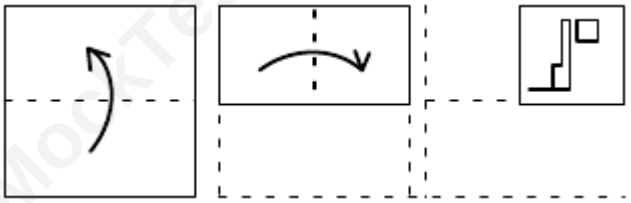
(a) Leap year
(b) Fortnight
(c) Hour
(d) Second

Q23. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

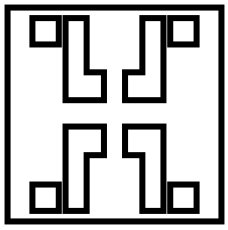
GAME : IWSW :: HOPE : JKVW :: SOLO : ?

(a) UKRG
(b) UKRF
(c) UKSG
(d) UKRH

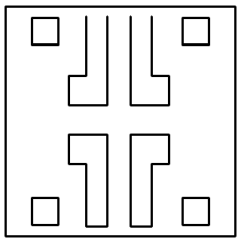
Q24. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



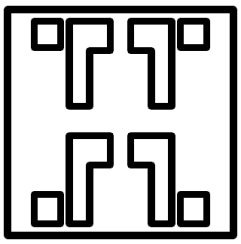
(a)



(b)

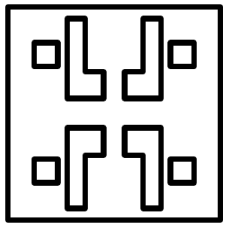


(c)



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(d)



Q25. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(30, 14, 8)

(84, 12, 36)

(a) (108, 18, 45)
(b) (68, 14, 49)
(c) (21, 28, 11)
(d) (24, 8, 10)

NUMERICAL APTITUDE

Q26. What is the value of (84 ÷ 12 × 3 - 4 ÷ 12 × 9 + 5 × 6 - 2 × 3)/(8 ÷ 12 × 3) ?

(a) 25
(b) 21
(c) 24
(d) 18

Q27. The cost price of two fans is the same. One fan is sold at a loss of 20% and the other fan is sold at loss of 60%. What will be the overall loss percentage?

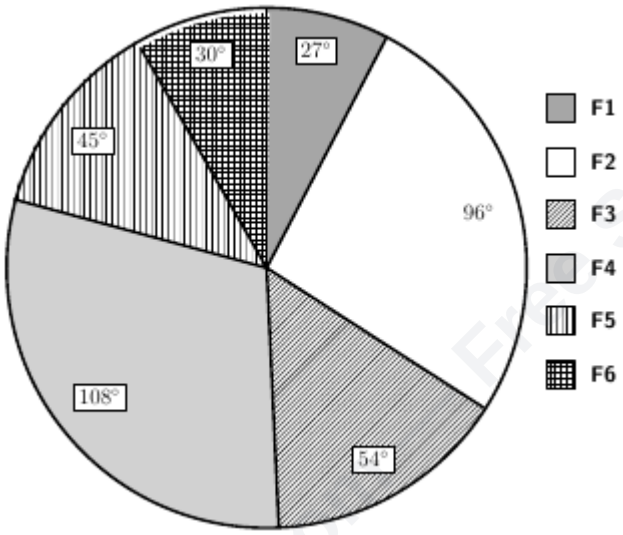
(a) 40%
(b) 38%
(c) 25%
(d) 35%

Q28. Three numbers are in the ratio of 2 : 3 : 5. The sum of these three numbers is 80. What is the product of these three numbers?

(a) 13200
(b) 15360
(c) 14400
(d) 15630

Q29. The following pie chart shows the sectors representing the shares of the number of lights manufactured in a given year by each of six different factories in terms of the central angles (in degrees) with respect to the total number of lights manufactured in that year by all the six factories taken together.

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If the total number of lights manufactured in that year by the 6 factories taken together is 1840, then what is the difference between the numbers of lights manufactured by F5 and F1?

(a) 96
(b) 94
(c) 90
(d) 92

Q30. What is the greatest number of 4-digits which is divisible by 45, 25 and 5?

(a) 9000
(b) 9990
(c) 8900
(d) 9900

Q31. The length of a cuboidal room is 56 m, its breadth is 34 m and its height is 8 m. Find the length of the longest ladder that can be placed in the room.

(a) 66 m
(b) 58 m
(c) 42 m
(d) 33 m

Q32. The total surface area of a closed hemisphere is 4158 cm^2. What is the diameter of the hemisphere? [Use $\pi = 22/7$]

(a) 14 cm
(b) 28 cm
(c) 42 cm
(d) 21 cm

Q33. What is the rate of compound interest, if the interest on Rs. 10,000 for 2 years is Rs. 609, when interest is compounded annually?

(a) 3% per annum
(b) 4% per annum
(c) 2% per annum
(d) 5% per annum

Q34. The total surface area of a closed cube is 1350 cm^2. What is the length of each side of this cube?

(a) 21 cm
(b) 20 cm
(c) 15 cm
(d) 18 cm

Q35. Due to reduction in workforce, the production in a factory decreases by 30%. By what percentage should the working hours per person be increased to restore the original production? (Correct to two decimal places.)

(a) 43.35%
(b) 42.86%
(c) 37.75%
(d) 40%

Q36. If $(3 \times 7 + 12)/(12 \times 7 + 3 \times 4 - 2) = 1/K$, then what is the value of K?

(a) 95/32
(b) 94/33
(c) 96/47
(d) 92/35

Q37. A thief escapes custody at 10 a.m. He runs at a speed of 40 km/h. The policeman starts chasing the thief at 11:30 a.m., starting from the point from where the thief escaped custody. The speed of the policeman is 60 km/h. At what time will he catch the thief?

(a) 2:45 p.m.
(b) 2:00 p.m.
(c) 2:15 p.m.
(d) 2:30 p.m.

Q38. David purchased an item and marked his price up by 10%. He sold the same item by giving a discount of 5% and he made a profit of Rs. 12.87. What is the actual cost price of the item?

(a) Rs. 220
(b) Rs. 280
(c) Rs. 286
(d) Rs. 256

Q39. Pipe A can fill an empty cistern in 6 hours and pipe B can fill the same empty cistern in 8 hours. Both the pipes are opened simultaneously but after two hours, pipe A is closed. How many hours will B take to fill the remaining part of the cistern?

(a) 2
(b) 31/3
(c) 32/3
(d) 4

Q40. Two numbers are, respectively, 20% and 10% more than a third number. The ratio of the first number to the second, is:

(a) 11 : 12
(b) 12 : 12
(c) 13 : 11
(d) 12 : 11

Q41. What is the average of the first 14 positive even numbers?

(a) 16
(b) 14
(c) 15
(d) 14.5

Q42. The sum of the simple interest and the compound interest on Rs. 5,600 at the same rate of interest per annum for two years is Rs. 2,061.36, when in the case of compound interest, it is compounded annually. What is the rate of interest per annum?

(a) 9%
(b) 6%
(c) 15%
(d) 12%

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Q43. Anil buys a motorcycle for Rs. 84,000 and sells it at a loss of 12%. What is the selling price of the motorcycle?

(a) Rs. 80,000
(b) Rs. 68,852
(c) Rs. 78,520
(d) Rs. 73,920

Q44. In what ratio, should rice at Rs. 60 per kg be mixed with rice at Rs. 42 per kg such that by selling the mixture at Rs. 56 per kg there is a gain of 12%?

(a) 4 : 5
(b) 6 : 7
(c) 2 : 3
(d) 2 : 5

Q45. The present average age of Rachel and Ross is 34 years. Find the average age of Ross and Rachel after 6 years.

(a) 45 years
(b) 38 years
(c) 36 years
(d) 40 years

Q46. The following table shows the marks scored by five different students in three subjects.

Marks	English	Hindi	Maths
Rahul	85	85	46
Shreya	89	95	58
Seema	45	75	68
Mohan	33	99	87
Krish	85	84	98

Find the average of Rahul's marks in the three given subjects.

(a) 74
(b) 71
(c) 72
(d) 73

Q47. Arshi can do a piece of work in 30 days, while Ahan can complete it in 20 days. Both together labour for 4 days and afterwards Ahan leaves. How long will Arshi take to complete the remaining work?

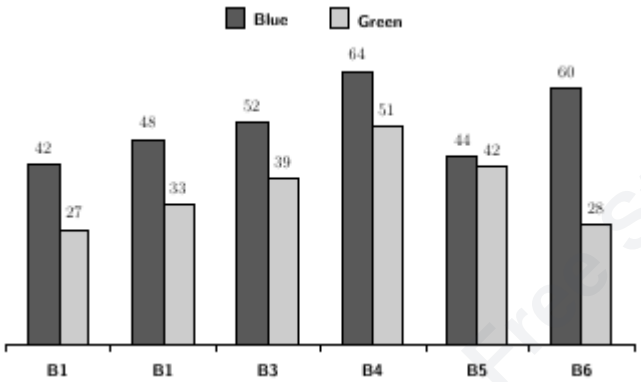
(a) 10 days
(b) 15 days
(c) 25 days
(d) 20 days

Q48. A person crosses a 500 m long street in 5 minutes. What is his speed in km/h?

(a) 5
(b) 4
(c) 6
(d) 7

Q49. Study the given bar-graph and answer the question that follows. The bar-graph shows the sales of six different brands of blue and green pens in a town on a given day.

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The total number of blue pens sold on that day of all the six brands taken together is how much percentage more than the total number of green pens sold on that day of all the six brands taken together? [Give your answer correct to 1 decimal place.]

(a) 46.5%
(b) 40.9%
(c) 44.7%
(d) 47.5%

Q50. If the monthly salary of Rahul is Rs. 3,00,000 and his salary gets increased by 15% in the next month, then what will be his salary after the increase of 15%?

(a) Rs. 4,50,000
(b) Rs. 3,45,000
(c) Rs. 3,55,500
(d) Rs. 4,00,000

GENERAL ENGLISH

Q51. Select the most appropriate meaning of the given idiom.

Hold the fort

(a) To stop talking about something
(b) To avoid being found guilty of a crime
(c) To finish something before time
(d) To take responsibility for a situation temporarily

Q52. 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.

Writing down your thoughts / can has immense positive / effects on your health.

(a) effects on your health
(b) No error
(c) can has immense positive
(d) Writing down your thoughts

Q53. Select the most appropriate ANTONYM of the underlined word in the given sentence.

It will have detrimental effects on the healing process.

(a) Insidious
(b) Nasty
(c) Benign
(d) Baneful

Q54. Select the most appropriate synonym of the given word.

Culpable

(a) Guilty
(b) Irresponsible

(c) Immune
(d) innocent

Q55. Select the most appropriate option to fill in the blank.
The mystery behind the extinction of the dinosaurs _____ obscure.
(a) is still
(b) are still
(c) be still
(d) being still

Q56. Select the most appropriate ANTONYM of the given word.
Cryptic
(a) Cloudy
(b) Mystical
(c) Fuzzy
(d) Definite

Q57. Select the option that can be used as a one-word substitute for the given group of words.
A place where bees are kept
(a) Archive
(b) Hangar
(c) Apiary
(d) Granary

Q58. Select the most appropriate option to fill in the blank.
I think I have left _____ lunchbox at your house.
(a) I
(b) my
(c) me
(d) mine

Q59. Select the most appropriate option to fill in the blank.
The lottery is a regular weekly _____ where the drawing of the numbers is done by a little girl.
(a) instalment
(b) irritant
(c) theory
(d) recreation

Q60. Select the most appropriate option to fill in the blank.
_____ Paul and Jenny are waiting for you in their office.
(a) Any
(b) Either
(c) All
(d) Both

Q61. Select the most appropriate option to fill in the blank.
Anita looked _____ the word in the dictionary, but she still did not understand it.
(a) to
(b) up
(c) from
(d) after

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Q62. 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.

Foods turn brown and crispy when we cook them because for chemical reactions.

(a) Foods turn brown and crispy
(b) No error
(c) because for chemical reactions
(d) when we cook them

Q63. Select the option that can be used as a one-word substitute for the given group of words.

One who does a thing for pleasure and not as a profession

(a) Amateur
(b) Ascetic
(c) Abattoir
(d) Anarchist

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.

Kangaroo leather is used to make items / that must be strong and flexible hence it is most / common used in bullwhips.

(a) Kangaroo leather is used to make items
(b) that must be strong and flexible hence it is most
(c) common used in bullwhips
(d) No error

Q65. Select the most appropriate synonym of the underlined word in the given sentence.

He was quick in his anger, but easily appeased.

(a) unsatisfied
(b) bugged
(c) dejected
(d) pacified

Q66. Select the correctly spelt word.

(a) Sacrifise
(b) Sacrifice
(c) Scarifice
(d) Sacrefice

Q67. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Neither of the political parties have had much interest in environmental causes.

(a) No improvement required
(b) Neither of the political parties have had any
(c) Neither of the political parties have much
(d) Neither of the political parties has had much

Q68. Select the most appropriate meaning of the underlined idiom in the given sentence.

This Louis Vuitton bag costed me an arm and a leg.

(a) is very expensive
(b) is very cheap
(c) has no warranty
(d) is a fake product

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

Her _____ of smell is wonderful.

(a) sacks
(b) sense
(c) science
(d) census

Q70. Select the option that rectifies the incorrectly spelt words in the given sentence.

Let us prepare for the upcomng comptitive exams.

(a) Let us prepare for the upcomming competive exams.
(b) Let us prepare for the upcoming compititive exams.
(c) Let us prepare for the upcomming competitive exams.
(d) Let us prepare for the upcoming competitive exams.

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.

One of the most basic (1) ____ of a human is food. Food is grown in various parts of the world according to the climatic (2) __but one thing that all kinds of crops need (3) __an exception is water. We all know (4) __ water, sunlight, and nutrition from the soil (5) ____ key to a plant's growth.

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

(a) needed
(b) needer
(c) needful
(d) needs

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

(a) weather
(b) report
(c) conditions
(d) terms

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

(a) with
(b) above
(c) without
(d) over

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

(a) then
(b) that
(c) what
(d) when

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

(a) been
(b) be
(c) is
(d) are

GENERAL AWARENESS

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Q76. The practice of erecting megaliths began about _____ years ago.

(a) 2500
(b) 1000
(c) 1500
(d) 3000

Q77. Which neighbouring country of India shares an international boundary with Ladakh?

(a) Myanmar
(b) Bhutan
(c) Nepal
(d) Pakistan

Q78. Which of the following is a temperate grassland in Russia?

(a) Amazon
(b) Prairies
(c) Congo
(d) Steppes

Q79. Who won the National Nritya Shiromani award 2022?

(a) Aparna Satheesan
(b) Bhavana Reddy
(c) Vyjayanthi Kashi
(d) Yamini Krishnamurthy

Q80. Which of the following types of plant is a seed bearing plant?

(a) Thallophyta
(b) Pteridophyta
(c) Bryophyta
(d) Gymnosperm

Q81. Who was the ruler of Mysore in 1761?

(a) Baji Rao
(b) Murshild Quli Jafar Khan
(c) Hyder Ali
(d) Nizam-ul-Mulk

Q82. Who was the accused in the murder of Saunders in 1928?

(a) Bhagat Singh
(b) Aurobindo Ghosh
(c) Madan Lal Dhingra
(d) Basant Kumar

Q83. Which chemical element does ‘Fe’ stand for in the science periodic table?

(a) Fluorine
(b) Oxygen
(c) Fermium
(d) Iron

Q84. Chitti Babu is associated with which musical instrument?

(a) Guitar
(b) Santoor
(c) Sitar
(d) Veena

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Q85. The first railway line was from ____ to ____ in India in 1853.

(a) Mumbai to Delhi
(b) Delhi to Kanyakumari
(c) Chennai to Nagpur
(d) Mumbai to Thane

Q86. 'The Test of My Life' is the autobiography of which of the following persons?

(a) Yuvraj Singh
(b) Ashish Nehra
(c) Zaheer Khan
(d) Mohammad Kaif

Q87. Who among the following Indian players is also known as ‘Dhing Express’?

(a) Dutee Chand
(b) Neeraj Chopra
(c) Hima Das
(d) PT Usha

Q88. Who became UNDP India's First Youth Climate Champion?

(a) Prajakta Koli
(b) Ananya Pandey
(c) Amit Bhadana
(d) Bhuvan Bam

Q89. Indian constitution borrowed a cabinet form of governance from _____.

(a) South Africa
(b) United Kingdom
(c) France
(d) Australia

Q90. Which of the following is correct about Nagara or North Indian Temple Style Architecture?

(a) There were no tower or shikhara.
(b) It has elaborate boundary walls.
(c) There was no Kalasha, the topmost part of the temple.
(d) The garbhagriha is always located directly under the tallest tower.

Q91. Who defeated Prithviraj Chauhan in the second battle of Tarain in 1192 AD?

(a) Babur
(b) Iltutmish
(c) Muhammad Ghori
(d) Alauddin Khalji

Q92. Who among the following was the minister of Agriculture and Farmer's Welfare when the Farm Laws Repeal Bill, 2021 was passed in the Indian Parliament?

(a) Raj Nath Singh
(b) Narendra Singh Tomar
(c) Amit Shah
(d) Dharmendra Pradhan

Q93. The period between prorogation of Parliament and re-assembly in a new session is called _____.

(a) adjournment
(b) recess
(c) dissolution
(d) cut motion

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Q94. What is the distance between the stumps and the popping crease at the same end of a Cricket pitch?

(a) 1.50 m
(b) 1.34 m
(c) 1.62 m
(d) 1.22 m

Q95. In which of the following states of India is the Dree festival celebrated?

(a) Arunachal Pradesh
(b) Assam
(c) Nagaland
(d) Manipur

Q96. What is the year whose prices are used to calculate the real GDP called?

(a) Fiscal year
(b) Base year
(c) Financial year
(d) Common year

Q97. Which rivers meet at Devprayag?

(a) Brahmaputra and Subansiri
(b) Beas and Satluj
(c) Bhagirathi and Alaknanda
(d) Chenab and Jhelum

Q98. For the purpose of Census 2011, a person aged _____ and above, who can both read and write with understanding in any language, was treated as literate.

(a) five
(b) nine
(c) seven
(d) six

Q99. A balanced diet should meet the RDAs for an individual. State the full form of RDA.

(a) Request Diet Allowances
(b) Recommended Dietary Allowances
(c) Request Dietary Allowances
(d) Recommend Diet Allowances

Q100. The famous actor Hema Malini is a trained _____ dancer.

(a) Kuchipudi
(b) Lavani
(c) Bharatanatyam
(d) Odissi

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

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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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