SSC MTS Previous Year Paper (Held on: 15 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, 'O' is coded as '15' and 'ADD' is coded as '9'. How will 'PURE' be coded in that language?

(a) 60
(b) 58
(c) 57
(d) 59

Q2. P, Q, R, S, T, U and V are seven friends who scored different marks in a test. Scores of only two people lies between the scores of S and P with score of P greater than S. R scored the highest marks. T scored more than Q. U and V scored second least and the least marks respectively. Who scored the fourth highest marks?

(a) P
(b) Q
(c) R
(d) S

Q3. Select the option that is related to the third number in the same way as the second number is related to the first number.

2041 : 346 :: 5310 : ?

(a) 664
(b) 732
(c) 516
(d) 956

Q4. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

WUE, XXG, YAI, ?

(a) ZDK
(b) ZOK
(c) ZBH
(d) ZAJ

Q5. Select the number that will come next in the following series.

2, 4, 7, 11, 16, ?

(a) 22
(b) 21
(c) 20
(d) 23

Q6. Select the option in which the words share the same relationship as that shared by the given pair of words.

Money : Wallet

(a) Books : Cardboard
(b) Bag : Box
(c) Safety : Locker

(d) Letter : Envelop

Q7. 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 bottles are jugs.

All jugs are cups.

Conclusions:

I. All bottles are cups.

II. All cups are bottles.

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

Q8. Which of the number (not digits) should be interchanged in the given equation to make it mathematically correct?

$12 \div 3 - 2 + 5 \times 4 = 23$

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

Q9. 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 belts are leathers.

All leathers are skins.

Some skins are white.

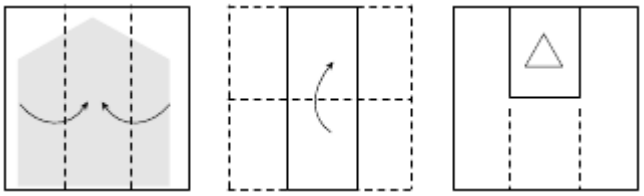
Conclusions:

I. Some belts are skins.

II. Some belts are white.

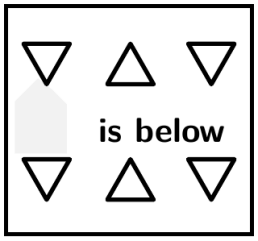
(a) Either conclusion I or II follows
(b) Neither conclusion I nor II follows
(c) Only conclusion II follows
(d) Only conclusion I follows

Q10. 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?

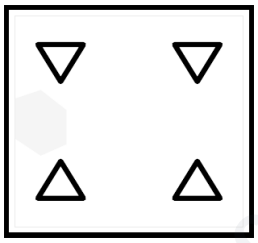


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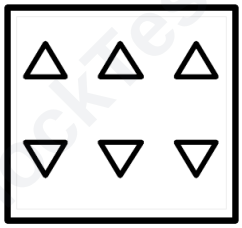
(a)



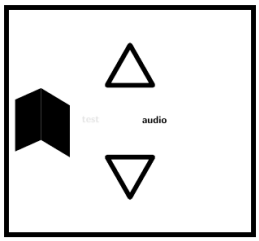
(b)



(c)



(d)



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.

(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)

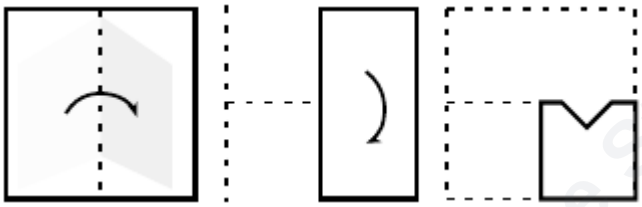
2 : 16 :: 3 : 81 :: 6 : ?

(a) 1326
(b) 1296
(c) 1666
(d) 1524

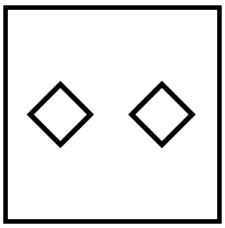
Q12. In a certain code language, 'ABKN' is coded as '84', and 'PNCL' is coded as '135'. How will 'HONT' be coded in that language?

(a) 181
(b) 171
(c) 169
(d) 147

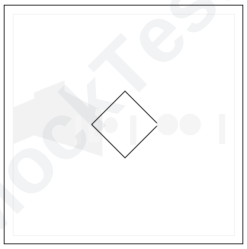
Q13. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



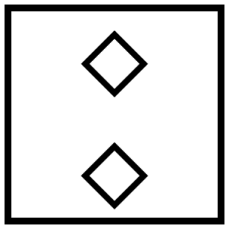
(a)



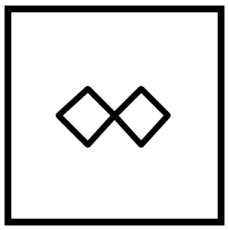
(b)



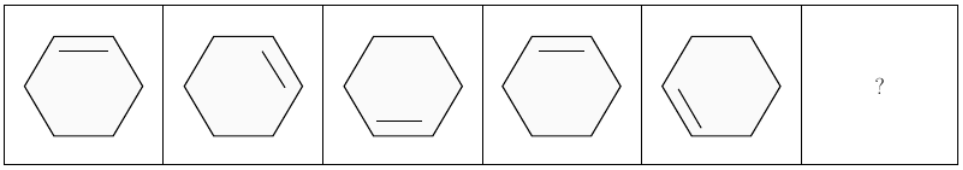
(c)



(d)

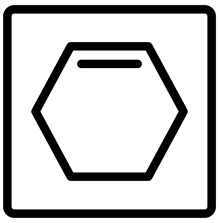


Q14. Select the figure from among the given options that can replace the question mark (?) in the following series.

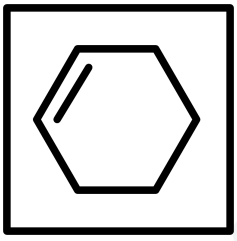


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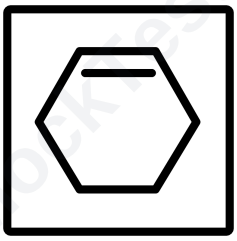
(a)



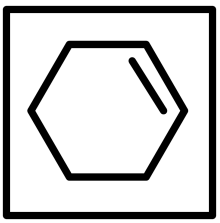
(b)



(c)



(d)

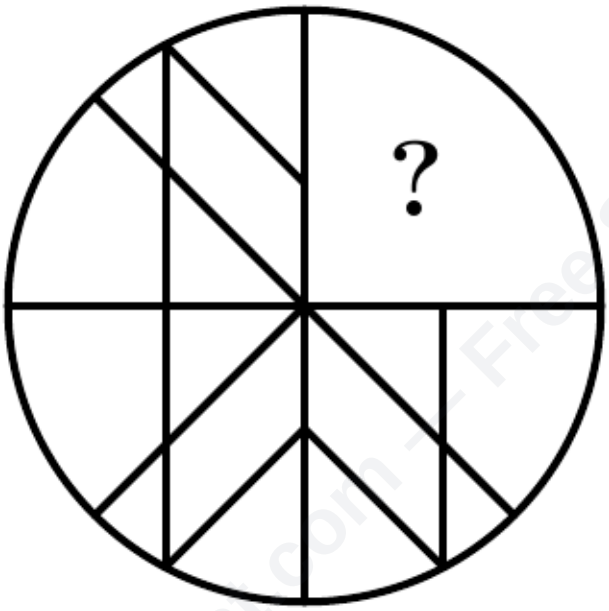


Q15. Six girls are sitting in two straight rows, facing the North. Their names are Farah, Urvashi, Yukti, Kritika, Neha and Mudita. Farah and Mudita are sitting diagonally opposite. Urvashi is in the top row and to the immediate right of Farah. Kritika is second to the left of Mudita while Yukti and Kritika are not in the same row. Who is sitting diagonally opposite to Yukti?

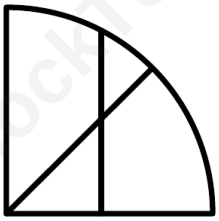
(a) Urvashi
(b) Kritika
(c) Mudita
(d) Neha

Q16. Select the figure from the options that can replace the question mark (?) and complete the pattern.

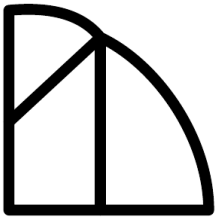
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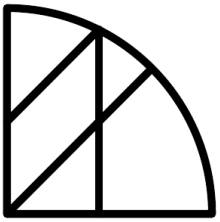
(a)



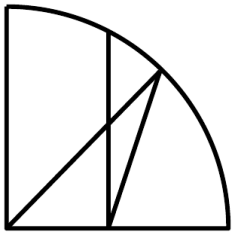
(b)



(c)



(d)



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Q17. 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.

SACRIFY : ARFYICS :: NUMERAL : UEALRMN :: SHALLOW : ?

(a) HLLWOAS
(b) HLOWLAS
(c) HLOLAWS
(d) HLWLASO

Q18. What will come in the place of '?' in the following equation, if '×' and '-' are interchanged and also '+' and '÷' are interchanged?

60 + 2 - 3 × 4 ÷ 2 = ?

(a) 90
(b) 88
(c) 45
(d) 27

Q19. Six friends are sitting around a circular table facing the centre. Dilip is immediate neighbour of both Priya and Payal. Priti is immediate neighbour of both Mukesh and Leela. Payal is sitting to the immediate right of Mukesh. Who is sitting to the immediate right of Priya?

(a) Dilip
(b) Payal
(c) Leela
(d) Mukesh

Q20. In a certain code language, '456' is written as 'sky is high', '678' is written as 'sky has dark', and '147' is written as 'star is dark'. What is the code for the word 'star' in that language?

(a) 4
(b) 1
(c) 7
(d) 5

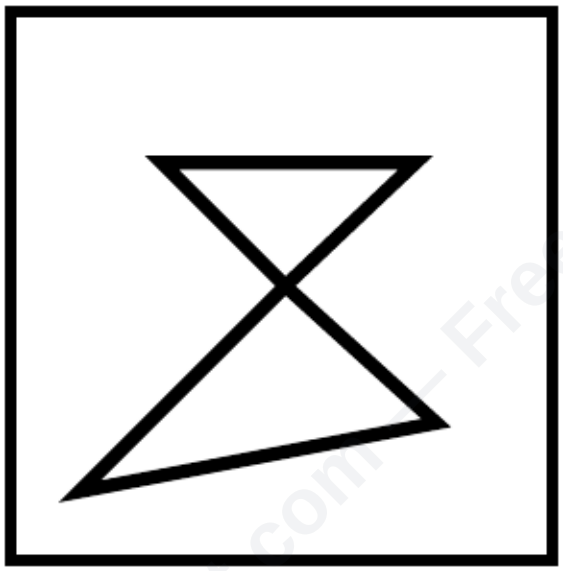
Q21. Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

CAM : EES :: OAT : QEZ :: TOI : ?

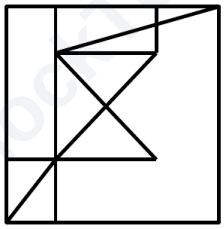
(a) USO
(b) VTO
(c) VSO
(d) VSP

Q22. Select the option in which the given figure is embedded (rotation is NOT allowed).

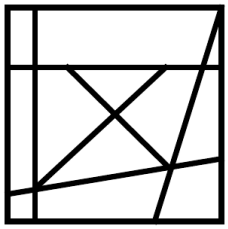
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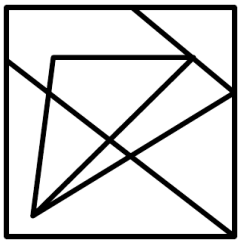
(a)



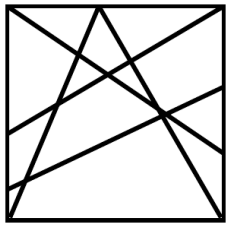
(b)



(c)



(d)

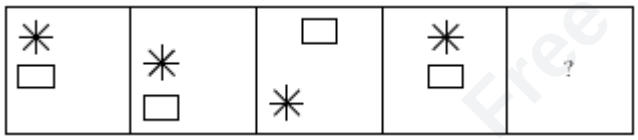


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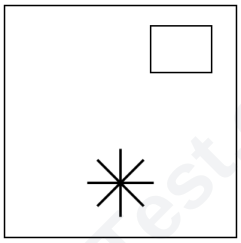
Q23. If ORDER = $5@ and MATTER = 2&33@*, then ROAD = ?

(a) $*5&
(b) $$5&
(c) *$&5
(d) #*5$

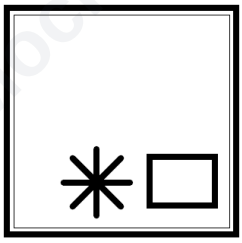
Q24. Select the figure that will come next in the following figure series.



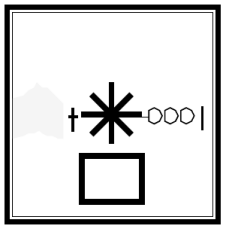
(a)



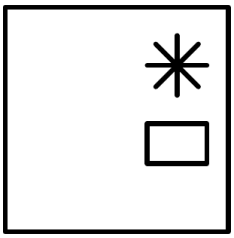
(b)



(c)



(d)



Q25. Select the option that will replace the question mark (?) in the given series.

78, 89, 82, 87, 84, ?

(a) 88
(b) 86
(c) 80
(d) 78

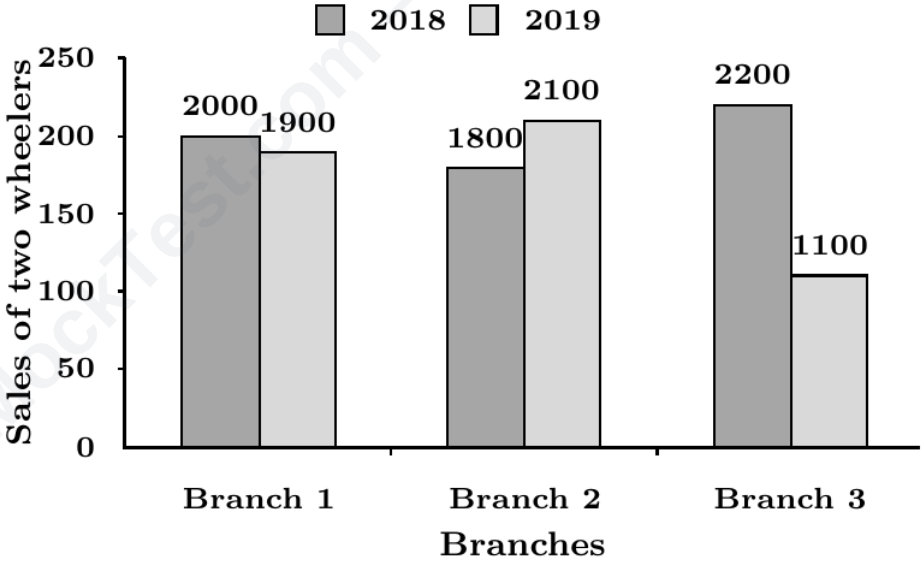
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NUMERICAL APTITUDE

Q26. The cost prices of a table and a chair are Rs. 400 and Rs. 1,200, respectively. The table and the chair are sold at profits of 50% and 20%, respectively. What is the overall profit percentage gained from the two sales taken together?

(a) 24.5%
(b) 22.5%
(c) 27.5%
(d) 23.5%

Q27. The following bar graph shows the sales of two wheelers from three different branches of a company during two consecutive years 2018 and 2019.



What is the average sale of all the branches in the year 2019?

(a) 1900
(b) 2000
(c) 1500
(d) 1700

Q28. Two cylinders have their heights in the ratio 1 : 2 and their radii in the ratio 2 : 1. What is the ratio of their volumes?

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

Q29. The difference between the compound interest, when compounded annually, and the simple interest on a certain sum of money for 2 years at 4.2% is Rs. 8.82. What is the sum?

(a) Rs. 4,500
(b) Rs. 2,100
(c) Rs. 5,000
(d) Rs. 3,000

Q30. A train crosses a stationary pole in 20 seconds and a bridge in 32 seconds. If the length of the bridge is 1200 metres, then what is the speed of the train?

(a) 360 km/h
(b) 180 km/h
(c) 270 km/h
(d) 450 km/h

Q31. If a : b = b : c, then what is the value of a^6 : b^6?

(a) a3 : b3
(b) b3 : ac
(c) a3 : c3
(d) a2 : b2

Q32. The following table shows the amount (in quintals) of 6 different types of sweets sold by a shop during a given year.

Sweet	Amount
S1	32
S2	48
S3	23
S4	37
S5	39
S6	21

The amount of S1 sold in that year was what percentage of the average amount of sweets sold per type during that year?

(a) 80%
(b) 84%
(c) 88%
(d) 96%

Q33. If Rs. 39,500 is divided into three parts in the ratio 24 : 15 : 40, then what is the value of the third part, in the given order?

(a) Rs. 18,000
(b) Rs. 12,000
(c) Rs. 7,500
(d) Rs. 20,000

Q34. What percentage above the cost price should a seller mark his goods so that, after allowing a discount of 20% on the marked price, he can earn a profit of 4%?

(a) 25%
(b) 28%
(c) 42%
(d) 30%

Q35. What is the value of (3 ÷ 4) of 20 + 16 ÷ 2 - {(1 ÷ 3) of 12 + (2 ÷ 5) of 25}?

(a) 8
(b) 7
(c) 10
(d) 9

Q36. A number X is 60% of the average of 20, 28 and 36. What is the value of the number X?

(a) 29.5
(b) 16.8
(c) 25.6
(d) 15 .5

Q37. An aeroplane covers a distance of 900 km in 1.5 hours. What is the speed of the aeroplane?

(a) 500 km/h
(b) 300 km/h
(c) 600 km/h
(d) 400 km/h

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Q38. If the average of 20, 40, 50, Y and Z is 45, then what is the average of Y and Z?

(a) 58.5
(b) 57.5
(c) 56.5
(d) 55

Q39. By selling an article for Rs. 1,200, a shopkeeper suffered a loss of 20%. What was the cost price of that article?

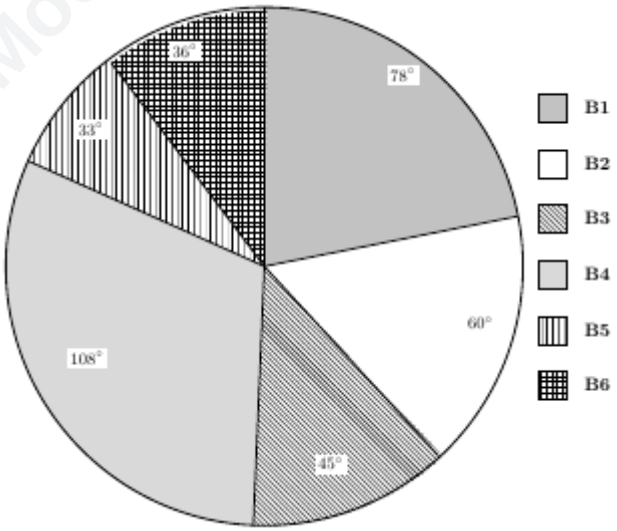
(a) Rs. 1,500
(b) Rs. 1,020
(c) Rs. 1,000
(d) Rs. 1,180

Q40. The area of a circle is 2464 cm^2. What is the diameter of this circle? [Use π=22/7]

(a) 56 cm
(b) 24 cm
(c) 48 cm
(d) 28 cm

Q41. Study the given pie-chart and answer the question that follows.

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



If the total number of chairs produced of these six brands taken together is 7200, then what is the total number of chairs produced of brands B2 and B3 taken together?

(a) 1750
(b) 2400
(c) 2100
(d) 1800

Q42. What is the greatest number which divides 784 and 857 and leaves the remainder 4 and 2, respectively?

(a) 3
(b) 5
(c) 30
(d) 15

Q43. In an election between 2 candidates, 5% of the votes were invalid. The winning candidate got 2200 votes and the losing candidate got 1600 votes. The losing candidate got what percentage of the total votes cast?

(a) 35%
(b) 30%

(c) 45%
(d) 40%

Q44. K1 can do a piece of work alone in 4 days, K2 can do the same work alone in 8 days, while K3 can do it alone in 32 days. They work together and complete the work, and receive a total of Rs. 3,900 as payment for doing the work. What is the share of the person who received the maximum amount?

(a) Rs. 1,200
(b) Rs. 2,400
(c) Rs. 2,000
(d) Rs. 1,600

Q45. What is the value of 7/11 ÷ 21/33 × 5/12+10/36 × 6/11 ÷ 18/33 ?

(a) 29/35
(b) 25/36
(c) 28/39
(d) 24/41

Q46. The length of each side of a rhombus is 10 cm. If the length of one of its diagonals is 16 cm, then what is the area of the rhombus?

(a) 108 cm2
(b) 112 cm2
(c) 128 cm2
(d) 96 cm2

Q47. While purchasing an item costing Rs. 600, Rashi had to pay sales tax at 5%. What amount did Rashi have to pay as sales tax?

(a) Rs. 30
(b) Rs. 60
(c) Rs. 45
(d) Rs. 15

Q48. The mean temperature from Monday to Thursday is 39.25°C. The mean temperature from Thursday to Sunday is 40.25°C. If the sum of the daily temperatures of all the days during the week, from Monday to Sunday, is 277.5°C, then what is the temperature for Thursday?

(a) 40.5°C
(b) 38.5°C
(c) 41.5°C
(d) 39.5°C

Q49. In how many years will the simple interest on a sum of Rs. 6,000 lent at 5% per annum be equal to the simple interest on a sum of Rs. 2000 lent for 30 years at 4% per annum?

(a) 6 Years
(b) 12 Years
(c) 20 Years
(d) 8 Years

Q50. At a refugee camp, the food supplies were enough to feed 300 refugees for 45 days. But 60 more refugees joined after 15 days. For how many days would the rest of the food supplies last?

(a) 23 days
(b) 24 days
(c) 22 days
(d) 25 days

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GENERAL ENGLISH

Q51. Select the most appropriate ANTONYM of the given word.

Flared

(a) Darkened
(b) Radiated
(c) Flamed
(d) Glared

Q52. Select the most appropriate ANTONYM of the given word.

Impolite

(a) Courteous
(b) Superior
(c) Uncivil
(d) Blunt

Q53. Select the option that can be used as a one-word substitute for the given group of words.

Of or relating to the moon

(a) Solar
(b) Platonic
(c) Fatal
(d) Lunar

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

A clinical thermometer consists of a long, narrow, uniform glass tube.

(a) consisting of a
(b) No improvement required
(c) consist of a
(d) consisted in a

Q55. Select the most appropriate meaning of the given idiom.

Move the goalposts

(a) Unfairly alter the conditions or rules of a procedure during its course
(b) To do your research and understand clearly what your goals are
(c) To put a lot of effort into something
(d) To move the goalpost after an attempt has been made to score a goal

Q56. 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 have watched a lot of students excel in online courses, taking fully advantage of the convenience.

(a) excel in online courses, taking fully
(b) advantage of the convenience
(c) I have watched a lot of students
(d) No error

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

Stop crying for the moon and start coming up with some sensible demands.

(a) To understand the hidden meaning
(b) To make money unfairly
(c) To make an impractical or unreasonable request
(d) To praise one's efforts

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Q58. Select the most appropriate synonym of the given word.

Artful

(a) Prudent
(b) Benign
(c) Ignorant
(d) Crafty

Q59. 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.

Age doesn't seeming to diminish our capacity to speak, write and learn new things.

(a) Age doesn't seeming to
(b) No error
(c) write and learn new things
(d) diminish our capacity to speak

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

Fasting _____ some festivals increases the consumption of fruits.

(a) during
(b) while
(c) when
(d) about

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

Da Vinci's paintings reveal an obsessive fascination with _____ rituals, like those of the Freemasons.

(a) Magnetic
(b) Pathetic
(c) Static
(d) Enigmatic

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.

Sometimes we interact to people who are closed-minded and not willing to listen.

(a) to people who are closed-minded
(b) and not willing to listen
(c) Sometimes we interact
(d) No error

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

A system of government by the wealthy class

(a) Theocracy
(b) Plutocracy
(c) Autocracy
(d) Democracy

Q64. Select the option that corrects the misspelt words in the given sentence.

My freind is blessed with perfect gines.

(a) My friend is blessed with perfct gines.
(b) My freind is bllessed with perfct gines.
(c) My freind is blesed with perfect genes.
(d) My friend is blessed with perfect genes.

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Q65. Select the correctly spelt word.

(a) Telivision
(b) Televison
(c) Televisoin
(d) Television

Q66. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

Antibiotics are one off the most commonly prescribed drugs in the world.

(a) No improvement required
(b) are one of a
(c) are one of the
(d) is one of the

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

She refused to back _____, so she was fired from the company.

(a) down
(b) over
(c) upon
(d) into

Q68. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

You is not allowed to sit here without permission.

(a) has not allowed
(b) are not allowed
(c) is no allowing
(d) No improvement required

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

Tenderness

(a) Ruthlessness
(b) Severity
(c) Kindness
(d) Spitefulness

Q70. Select the most appropriate option to fill in the blank.

The Intergovernmental Panel on Climate Change (IPCC) _____ the idea of 'tipping points' two decades ago.

(a) introduced
(b) shortened
(c) wounded
(d) withdrawn

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.

Delhi's meteorology (1)_____ the quantity of chaff burnt play a greater role in (2)___ air quality than the time chosen by farmers in Punjab to start crop burning, a study argues. Crop burning, a traditional practice in Punjab and Haryana of (3)___ fields off rice chaff to prepare for winter sowing, begins around October and (4)_____ in November, coinciding with the (5)_____ of southwest monsoon.

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

(a) among
(b) and
(c) yet
(d) but

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

(a) Worsening
(b) worsens
(c) worsen
(d) worse

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

(a) racing
(b) raising
(c) rising
(d) razing

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

(a) leaks
(b) creaks
(c) falls
(d) peaks

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

(a) availing
(b) managing
(c) running
(d) withdrawal

GENERAL AWARENESS

Q76. Who will be India's next Foreign Secretary as announced in April 2022?

(a) Harsh Vardhan Shringla
(b) Dr S Jaishankar
(c) Sushma Swaraj
(d) Vinay Mohan Kwatra

Q77. Which of the following is the least literate state in India according to Census 2011?

(a) Gujarat
(b) Bihar
(c) Assam
(d) Odisha

Q78. 'Gangaur' is an Indian festival majorly celebrated in_____.

(a) Rajasthan
(b) Himachal Pradesh
(c) Tripura
(d) Arunachal Pradesh

Q79. Which of the following is categorised under slow mass movement in geomorphic processes?

(a) Creep
(b) Earthflow
(c) Mudflow
(d) Landslide

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Q80. Prarthana Samaj or 'Prayer Society', a religious and social reform, was found in 1867 at _____.

(a) Pune
(b) Delhi
(c) Surat
(d) Bombay (now Mumbai)

Q81. National Sports Day of India is celebrated on _____.

(a) 15 August
(b) 26 January
(c) 30 January
(d) 29 August

Q82. Who among the following was a Shaka ruler in India (130-150 AD)?

(a) Ashoka
(b) Rudradaman
(c) Menander
(d) Bindusara

Q83. Which part of the Indian Constitution has been drawn from the British Constitution?

(a) Fundamental Rights and the Directive Principles of State Policy
(b) Principle of Cabinet Government and the relations between the executive and the legislature
(c) Appointment of state governors by the centre
(d) Federation with a strong centre

Q84. According to the Census 2011, which of the following is the third-lowest state in terms of literacy rate?

(a) Bihar
(b) Madhya Pradesh
(c) Rajasthan
(d) Sikkim

Q85. _____ is a disease which is transmitted by the Aedes mosquito which lays eggs in water-logged places and multiply over time.

(a) Diarrhoea
(b) Elephantiasis
(c) Dengue
(d) Malaria

Q86. Which type of forest receives more than 200 cm of annual rainfall?

(a) Temperate mixed forests
(b) Taiga
(c) Tropical evergreen rain forests
(d) Tundra forests

Q87. What was the shape of the Great Bath of Mohenjo Daro?

(a) Rectangular
(b) Square
(c) Elliptical
(d) Circular

Q88. BR Ambedkar wrote a 20-page autobiography about his experiences with untouchability which is known as _____.

(a) All from Memory
(b) My Experiments with Silence
(c) Waiting for a Visa
(d) Courage and Conviction

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Q89. Kelucharan Mohapatra is associated with _____ dance form of India.

(a) Kathak
(b) Hiphop
(c) Odissi
(d) Salsa

Q90. Who was the founder of the reform movement, Arya Samaj?

(a) Swami Dayananda Saraswati
(b) Raja Ram Mohan Roy
(c) Anand Mohan Bose
(d) MG Ranade

Q91. What does F stand for in the FRBM Act, 2003 of the Indian economy?

(a) Financial
(b) Fiscal
(c) Functional
(d) Freedom

Q92. Which of the following laws is applicable to the force of attraction or repulsion between two point charges?

(a) Kirchhoff's Law
(b) Newton's Law of Universal Gravitation
(c) Coulomb's Law
(d) Newton's Laws of Motion

Q93. Which of the following is an example of Phylum Annelida of Animal Kingdom?

(a) Honey bee
(b) Earthworm
(c) Squid
(d) Kangaroo

Q94. Which state government launched the Udaan Project in collaboration with IPE Global which attempts to keep girls in schools through their enrolment at the secondary level while ensuring that the eligible ones among them get their scholarships?

(a) Maharashtra
(b) Assam
(c) Rajasthan
(d) Punjab

Q95. The World Health Organisation defines adolescents as individuals in the age-group of _____.

(a) 10 to 19 years
(b) 8 to 15 years
(c) 12 to 16 years
(d) 6 to 14 years

Q96. Pandit Shiv Kumar Sharma is associated with _____ musical instrument.

(a) piano
(b) sarod
(c) harmonica
(d) santoor

Q97. Who is the first Law officer of India?

(a) President
(b) Governor
(c) Prime Minister
(d) Attorney-General

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Q98. Who among the following rulers was chronicled by Minhaj-i Siraj?

(a) Akbar
(b) Razia Sultan
(c) Babur
(d) Ghiyasuddin Tughluq

Q99. For which dance form did Aparna Satheesan win the Prestigious National Nritya Shiromani Award 2022?

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

Q100. 5 In basketball, what can be the maximum number of points that can be scored in a shot?

(a) 1
(b) 3
(c) 4
(d) 2

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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