SSC MTS Previous Year Paper (Held on: 19 July 2022 Shift 2)

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

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GENERAL INTELLIGENCE & REASONING

Q1. Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

7 : 42 :: ? : 110 :: 9 : 72

(a) 8
(b) 6
(c) 12
(d) 11

Q2. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(16, 4, 8)

(12, 2, 12)

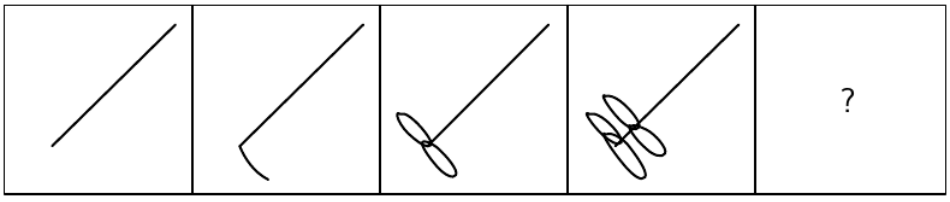
(a) (20, 2, 8)
(b) (18, 8, 3)
(c) (28, 7, 8)
(d) (32, 3, 10)

Q3. 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.

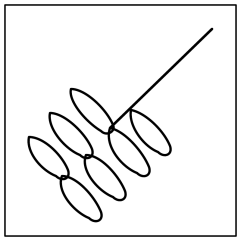
GOOD : CKKZ :: BEST : XAOP :: COOL : ?

(a) YJJH
(b) WKKH
(c) YKKI
(d) YKKH

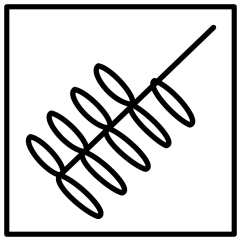
Q4. Select the figure from among the given options that can replace the question mark (?) in the following series.



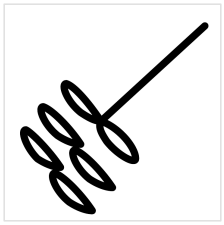
(a)



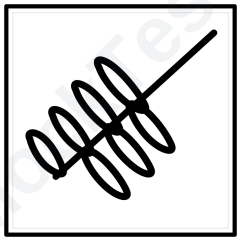
(b)



(c)



(d)



Q5. In a certain code language, 'Homonym is antonym' is coded as '# kr pg', and 'Antonym are synonym' is coded as 'lm pg 6'. What is the code for 'Antonym' in that language?

(a) #
(b) kr
(c) lm
(d) pg

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

D, F, I, ?, R, X

(a) O
(b) M
(c) L
(d) N

Q7. Among seven sisters Anu, Barsha, Champa, Disha, Emma, Farheen and Geeta; Barsha is elder than only four other sisters. Champa is elder than Disha. Anu is elder than Farheen. Emma is elder than one person only, that is Geeta, who is the youngest among all sisters. Barsha is elder than Anu. Given that no two sisters have the same age, find out who is the eldest sister.

(a) Champa
(b) Disha
(c) Farheen
(d) Anu

Q8. 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.

RO : WJ :: PJ : ?

(a) UF
(b) VF
(c) VE

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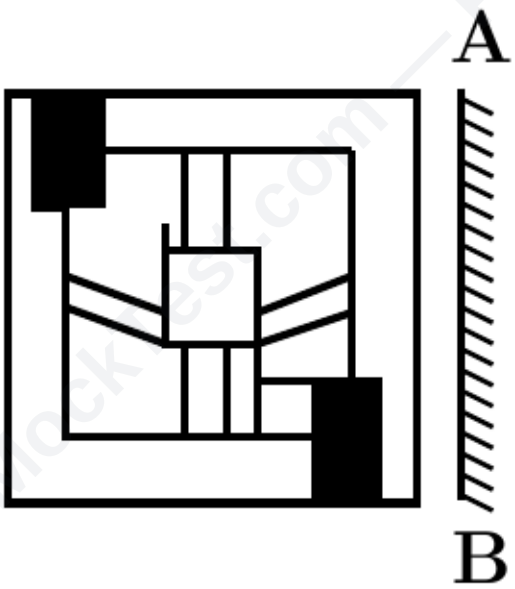
(d) UE

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

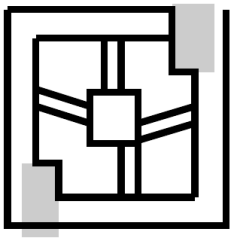
425, 442, 459, 476, ?

(a) 482
(b) 503
(c) 493
(d) 498

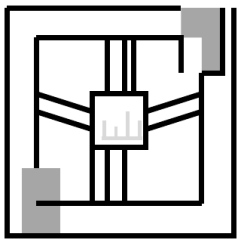
Q10. Select the correct mirror image of the given figure when the mirror is placed at the right side.



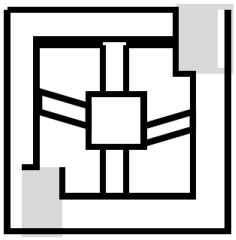
(a)



(b)

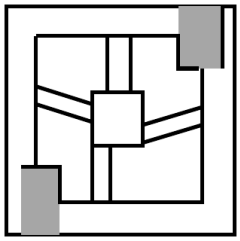


(c)

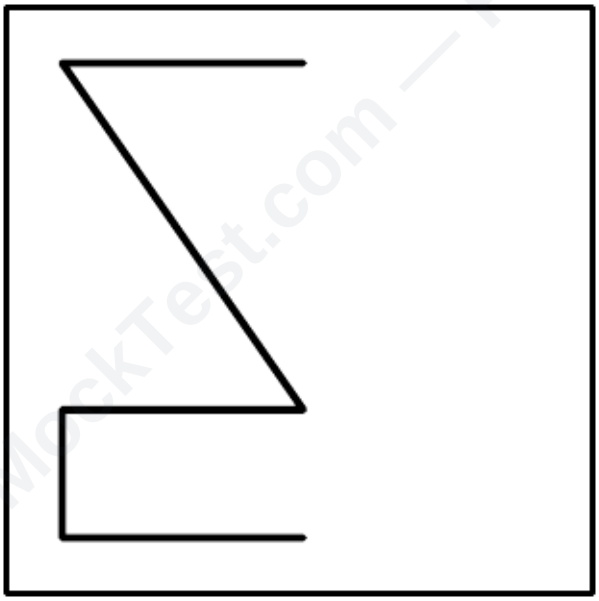


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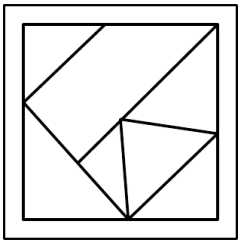
(d)



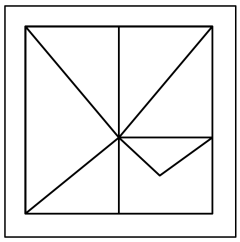
Q11. Select the option in which the given figure is embedded (rotation NOT allowed).



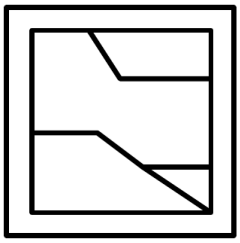
(a)



(b)

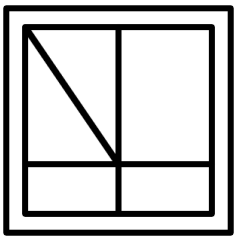


(c)

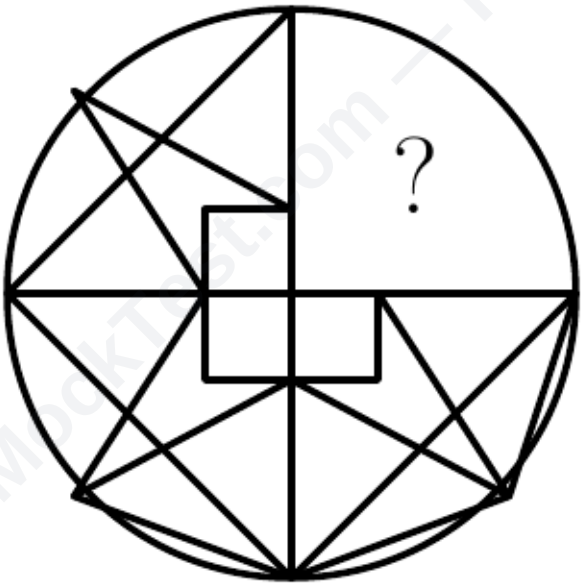


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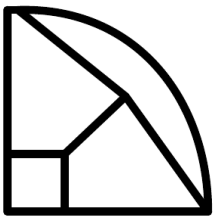
(d)



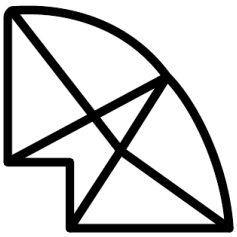
Q12. Select the option that can replace the question (?) in the given figure and complete the pattern.



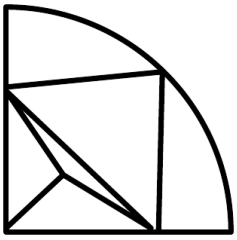
(a)



(b)

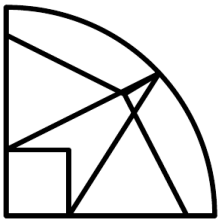


(c)



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(d)



Q13. In a certain code language, 'ROMKSG' is written as 'SQPJQD', and 'PNDABC' is written as 'QPGZZZ'. How will 'QJLMTF' be written in that language?

(a) RLOLSC
(b) RLLORC
(c) RLLOSC
(d) RLOLRC

Q14. Four boys A, R, K and M are sitting in a row facing the North (but not necessarily in the same order) and four girls P, Q, L and B are sitting in a row facing these boys (but not necessarily in the same order). B is second to the right of P. K and A are at the ends. P is at one of the ends. K is at the left end of the row. One boy is sitting between A and R.

If Q is at one of the ends, then who is L facing?

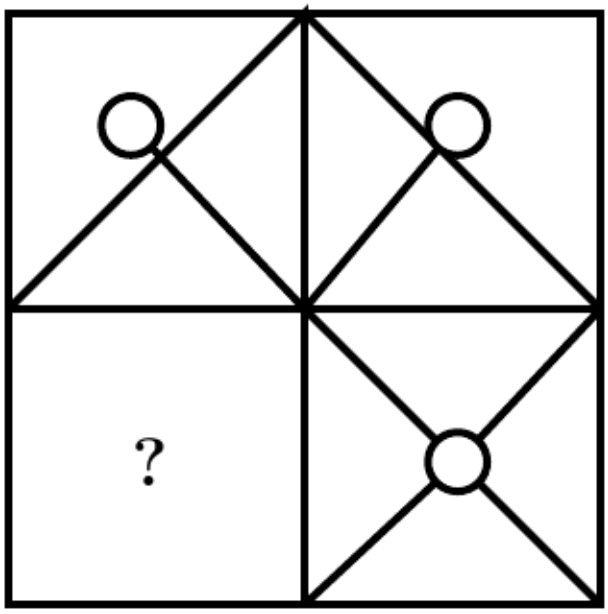
(a) K
(b) M
(c) A
(d) R

Q15. What will come in the place of '?' in the following equation, if '+' and ' – ' are interchanged and also '×' and '÷' are interchanged?

42 + 10 × 5 − 9 ÷ 1 = ?

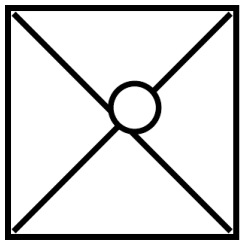
(a) 38
(b) 49
(c) 44
(d) 31

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

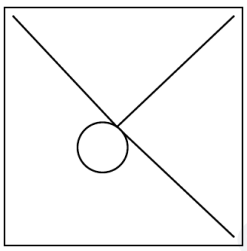


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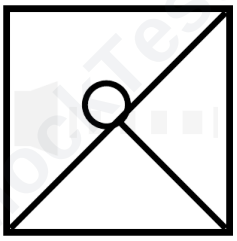
(a)



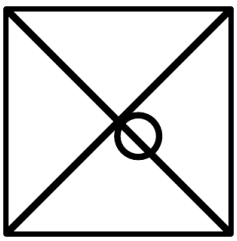
(b)



(c)



(d)



Q17. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statement I: All black are green and no green is red.

Statement II: All red are pink.

Conclusion I:All black are pink.

Conclusion II: Some green are pink.

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

Q18. In a certain code language, '524' means 'are you fine', '785' means 'you come home' and '6271' means 'we are at home'. What is the code for 'come home' in the same language?

(a) 28
(b) 91
(c) 87
(d) 54

Q19. In a certain code language, 'WORLD' is written as 'CUXRJ' and 'SMOKE' is written as 'YSUQK'. How will 'INDIA' be written in that language?

(a) OSJOG
(b) OTKOG
(c) OTJOG
(d) OTJOH

Q20. 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.

Statement I: All leopards are cheetahs.

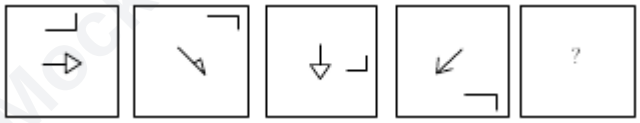
Statement II: No cheetah is a cat.

Conclusion I: Some cats are leopards.

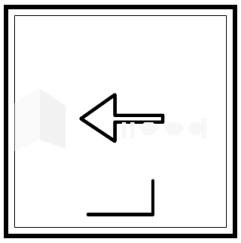
Conclusion II: Some cats are cheetahs.

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

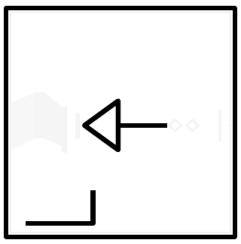
Q21. Select the figure from the given options that can replace the question mark (?) in the following series.



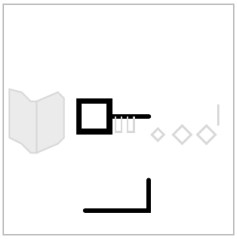
(a)



(b)



(c)



(d)



Q22. What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and also '−' and '÷' are interchanged?

42 + 6 − 3 × 15 ÷ 5 = ?

(a) 94
(b) 85
(c) 63
(d) 74

Q23. Seven people Pravin, Rahul, Shikhar, Tirtha, Uday, Vinay, and Wasim are sitting in a straight row facing North. Rahul is sitting second left to Tirtha. Tirtha is sitting third left to Wasim. Rahul and Shikhar are not sitting at either of the corners. Uday is the immediate neighbour of Vinay. Vinay is sitting second left from the right corner. Who is sitting to the immediate left of Rahul?

(a) Uday
(b) Tirtha
(c) Vinay
(d) Pravin

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

13, 17, 19, 23, 29, ?

(a) 53
(b) 37
(c) 31
(d) 43

Q25. 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.

ACID : IDAC :: CAMP : MPCA :: TRAY : ?

(a) AYRT
(b) YRTA
(c) ARTY
(d) AYTR

NUMERICAL APTITUDE

Q26. The circumference of a circle is equal to the perimeter of an equilateral triangle. If the radius of the circle is 84 cm, then what will be the length of each side of the equilateral triangle? [Use π = 22/7]

(a) 192 cm
(b) 176 cm
(c) 172 cm
(d) 184 cm

Q27. It the salary of A is 12% more than that of B, then by what percentage is the salary of B less than that of A? [Give your answer correct to 1 place of decimal.]

(a) 13.7%
(b) 12.7%

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(c) 11.7%
(d) 10.7%

Q28. To make a certain journey, a distance of 10 km is travelled on foot in 3 hours, a distance of 120 km is travelled by car in 3 hours, and a distance of 70 km is travelled by scooter in 4 hours. What is the average speed of the total journey?
(a) 50 km/h
(b) 35 km/h
(c) 45 km/h
(d) 20 km/h

Q29. What is the LCM of the fractions (2/3), (8/15) and (4/27)?
(a) 8/3
(b) 12/5
(c) 3/8
(d) 24/7

Q30. What is the value of [1000 + 300 - {500 ÷ 5 + 100} × 4]?
(a) 400
(b) 800
(c) 500
(d) 1300

Q31. B1and B2can do a piece of work together in 8 days, B2and B3 can do the same work together in 16 days, while B1 and B3 can do it together in 32 days, what percentage of the total work can all the 3 people, working together, do in 4 days?
(a) 43.75%
(b) 40.75%
(c) 38.5%
(d) 41.25%

Q32. The difference between the compound interest and simple interest on a sum of Rs. 2,500 for 2 years is Rs. 100. Find the rate of interest per annum, if the nominal rate of interest per annum is the same for both simple and compound interest, and in the case of compound interest, the interest is compounded annually.
(a) 40%
(b) 25%
(c) 20%
(d) 12%

Q33. X and Y, working together, can complete a work in 30 days, Y and Z, working together, can complete the same work in 40 days, and Z and X, working together, can complete the same work in 24 days. In how many days can X, Y and Z, working together, complete the work?
(a) 10 days
(b) 5 days
(c) 15 days
(d) 20 days

Q34. The ratio of three numbers is 1/4 : 5/6 : 1/3 respectively. If the sum of the numbers is 68, what is the value of 1/3 of the first number?
(a) 6
(b) 8
(c) 2
(d) 4

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Q35. If an electricity bill is paid before the due date, one gets a reduction of 2 per cent on the amount of the bill. By paying the bill before the due date, Rajiv got a reduction of Rs. 40 and Ravina got a reduction of Rs. 80. What is the sum of the electricity bills of Rajiv and Ravina?

(a) Rs. 4,000
(b) Rs. 2,000
(c) Rs. 6,000
(d) Rs. 8,000

Q36. The value of 1/27 of 3375 + 44% of 2775 is:

(a) 1342
(b) 1349
(c) 1346
(d) 1351

Q37. The following table shows the number of flowers of different colours in a garden.

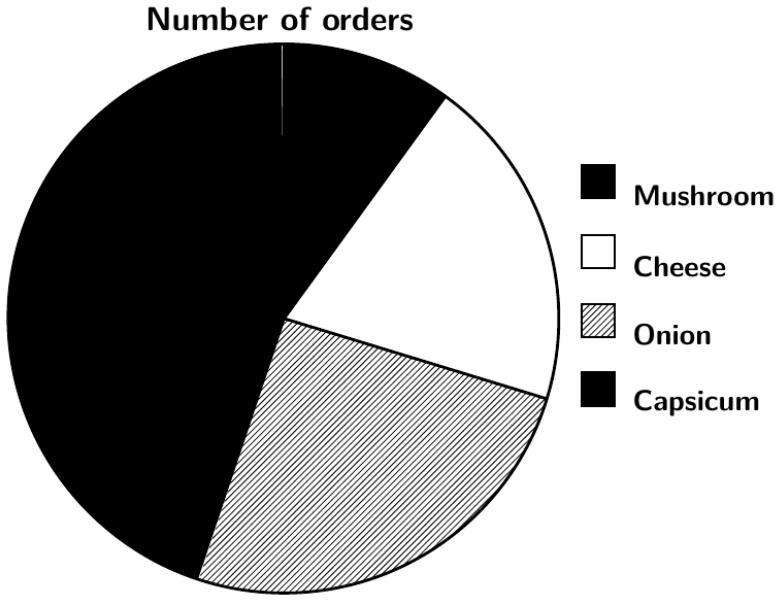
Colour of flower	Number of flowers
Pink	4
Purple	6
Blue	7
Red	3
Yellow	8

What is the total number of flowers in the garden, except the blue-colored ones?

(a) 21
(b) 22
(c) 20
(d) 28

Q38. Study the given pie-chart and answer the question that follows.

The pie-chart represents the shares of the number of different flavours of pizzas sold on a random day.



[Figure is drawn to scale.]

Which flavor of pizza is the most ordered one?

(a) Capsicum
(b) Onion

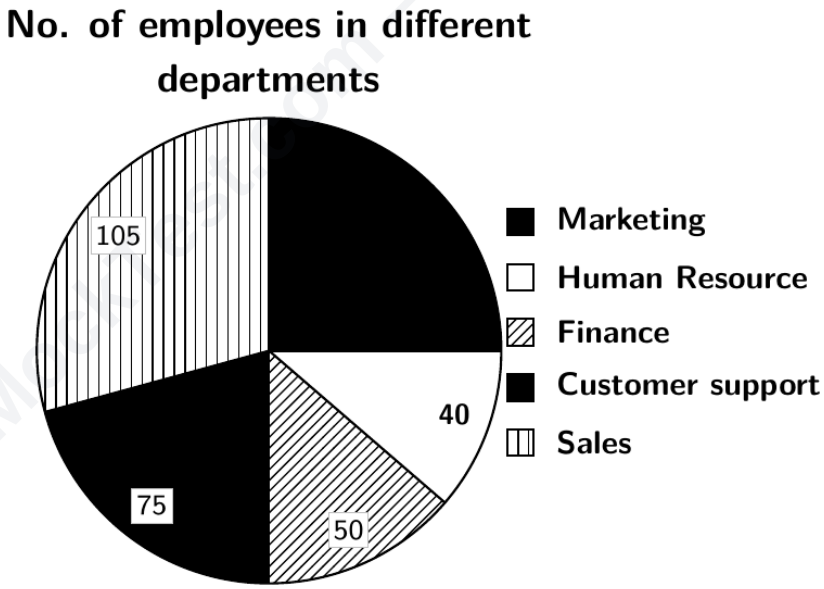
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(c) Mushroom
(d) Cheese

Q39. In a town, 80% of the population are adults, of which the population of men and women is the ratio 2 : 3. If the number of adult men is 1.2 lakh, what is the total population of the town?

(a) 2 lakh
(b) 3 lakh
(c) 1.5 lakh
(d) 3.75 lakh

Q40. The following pie chart gives the central angles of the various sectors representing the number of employees in different departments in a company.



The number of employees in the marketing department is what percentage of the number of employees in all the departments taken together?

(a) 50%
(b) 12.5%
(c) 20%
(d) 25%

Q41. If the adjacent sides of a rectangle, whose perimeter is 66 m, are in the ratio 5 : 6, then what will be the area of the rectangle?

(a) 270 m^2
(b) 160 m^2
(c) 230 m^2
(d) 180 m^2

Q42. What will be the average of all the even numbers between 11 and 27?

(a) 20
(b) 17.5
(c) 19
(d) 18

Q43. In what time will Rs 13,000 lent at 4 per cent per annum on simple of simple interest amount to Rs. 13,780?

(a) 1 year 6 months
(b) 2 years 6 months
(c) 2 years 3 months
(d) 1 year 5 months

Q44. The lengths of the diagonals of a rhombus are 16 cm and 30 cm, respectively. What is the perimeter of the rhombus?

(a) 68 cm
(b) 76 cm
(c) 72 cm
(d) 80 cm

Q45. The price of tomatoes increases by 10%. The consumption of tomatoes decreased by 15%. What is the percentage change in the expenditure on tomatoes?

(a) 8% decrease
(b) 7.5% decrease
(c) 6.5% decrease
(d) 7% decrease

Q46. A milkman purchases milk at Rs. 'a' per litre and sells it at Rs. 1.5a per litres. Still he mixes 2 litres water with every 9 litres of pure milk. What is his profit percentage?

(a) 250/3 %
(b) 328/9 %
(c) 789/5 %
(d) 1000/3 %

Q47. A train 200 m long running, at a speed of 36 km/h, takes 55 seconds to cross a bridge completely. What is the length of the bridge?

(a) 300 m
(b) 375 m
(c) 350 m
(d) 320 m

Q48. Visitors to a show were charged Rs. 10 each on the first day, Rs. 5 on the second day and Rs. 2 on the third day and the total attendance on the three days was in the ratio 15 : 2 : 3. What is the average charge per person for the visitors to the show on the three days taken together?

(a) Rs. 8.30
(b) Rs. 6.80
(c) Rs. 7.50
(d) Rs. 20.00

Q49. By selling 120 mangoes, a shopkeeper gains the selling price of 20 mangoes. Find his profit percentage.

(a) 20%
(b) 25%
(c) 10%
(d) 12%

Q50. The average of a set of fifteen numbers is 12. If 7 is added to each of the numbers in the given set, then what will be the new average?

(a) 84
(b) 105
(c) 19
(d) 22

GENERAL ENGLISH

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

Glad

(a) Cheery
(b) Delighted
(c) Gloomy

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(d) Joyous

Q52. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

The novels of Jane Austen give us a glimpse into the world of women.

(a) gave them the
(b) given us a
(c) gives us a
(d) No improvement required

Q53. 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.

Caramel is made from several thousand compounds, making it one of the much complex food products.

(a) Caramel is made from several
(b) No error
(c) thousand compounds, making it one of
(d) the much complex food products

Q54. 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.

It were so painful / to give up / my last hope.

(a) to give up
(b) It were so painful
(c) my last hope
(d) No error

Q55. 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.

Their are numerous / buildings outside our / school premises.

(a) school premises
(b) buildings outside our
(c) Their are numerous
(d) No error

Q56. Select the most appropriate synonym of the given word.

Bloom

(a) Flower
(b) Fade
(c) Drop
(d) Wither

Q57. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Drink a mixture of wormwood oil and olive oil to got rid of worms.

(a) No improvement required
(b) to rid off
(c) to getting rid by
(d) to get rid of

Q58. Select the most appropriate meaning of the given idiom.

A piece of cake

(a) A hidden enemy
(b) A dangerous situation
(c) A very easy task
(d) A thoughtful mind

Q59. Select the most appropriate meaning of the given idiom.

Drop in the bucket

(a) An extreme overreaction to something very small or insignificant
(b) To be involved in or be a part of something great or revolutionary
(c) Something small and unimportant, especially when compared with something else
(d) An alarming or unexpected announcement, especially an unpleasant one

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

A non-professional who is inept at a particular activity

(a) Expert
(b) Amateur
(c) Director
(d) Fatalist

Q61. Directions: Each item in this section consists of sentences with an underlined word followed by four words or group of words. Select the option that is opposite in meaning to the underlined word and mark your response on the answer sheet accordingly.

Strenuous exercise can result in muscle pain.

(a) Irksome
(b) Impelling
(c) Aggressive
(d) Effortless

Q62. Select the most appropriate ANTONYM of the given word.

Relapse

(a) Warrant
(b) Improve
(c) Pine
(d) Validate

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

Having a common centre, as circles or spheres

(a) Cylindrical
(b) Concentric
(c) Elliptical
(d) Centrifugal

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

Please sit down and have breakfast _____ us.

(a) with
(b) to
(c) at
(d) on

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

My most vivid recollection of last summer is the ocean.

(a) vague
(b) composed
(c) lucid
(d) blurry

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

Both of mine child passed the examination successfully.

(a) my children passed
(b) our children passes
(c) No improvement required
(d) my child pass

Q67. Select the correctly spelt word.

(a) Precurser
(b) Acknowledge
(c) Religiocity
(d) Anceistors

Q68. Select the option that can be used as a one-word substitute for the given group of words.

One who can use either hand with ease

(a) Gregarious
(b) Virtuoso
(c) Pedantic
(d) Ambidextrous

Q69. Select the correctly spelt word.

(a) Continent
(b) Contienent
(c) Contenant
(d) Conttinent

Q70. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

Bring me the finest dress from an finest shop.

(a) from the finest
(b) of the finer
(c) No improvement required
(d) through a finer

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.

Latin may be the language that we (1) ____ with the Roman Empire, but the question of (2) __ the Romans spoke Latin or not (3) __ not have a simple answer. Rome grew from a tiny community in the middle of a culturally diverse peninsula into an empire that reached (4) __ Britain to Syria. As Rome's power spread, Romans also interacted with (5) ____ of dozens of other languages

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

(a) delink
(b) remind
(c) associate
(d) imply

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

(a) whether
(b) did
(c) do
(d) either

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

(a) do
(b) should
(c) does
(d) done

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

(a) both
(b) of
(c) between
(d) from

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

(a) capitals
(b) speakers
(c) principals
(d) sleepers

GENERAL AWARENESS

Q76. What is a common term used to measure poverty based on the income or consumption levels?

(a) Vulnerability
(b) Social exclusion
(c) Poverty line
(d) Poverty estimates

Q77. In which of the following states is the Panna National Park located?

(a) Odisha
(b) Madhya Pradesh
(c) Tamil Nadu
(d) Meghalaya

Q78. As announced in the Union Budget of FY 2022, how many pilot projects are to be set up for coal gasification?

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

Q79. Which of the following pairs of autobiography and its author is INCORRECT?

(a) Unbreakable - Mary Kom
(b) The Test of My Life - Kapil Dev
(c) Playing It My Way - Sachin Tendulkar
(d) Ace Against Odds - Sania Mirza

Q80. India won eight Olympic gold medals in which sport till 2020?

(a) Boxing
(b) 10m air rifle
(c) Wrestling
(d) Field hockey

Q81. Who launched the International Air Connectivity Scheme (IACS) in 2022?

(a) Sachin Pilot
(b) Jyotiraditya Scindia
(c) Amit Shah
(d) Suresh Prabhu

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Q82. The Moatsu Festival is a time of great rejoicing as the planting season comes to an end. It is celebrated by the Ao tribes of _____.

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

Q83. _____ is the property of metals due to which they can be drawn into thin wires.

(a) Malleability
(b) Conductivity
(c) Refinement
(d) Ductility

Q84. No person can disrespect the National flag, Constitution of India and the National Anthem under the _____ Act.

(a) Factoring Regulation
(b) Armed Forces Tribunal
(c) Prevention of Insults to National Honour
(d) Whistle Blowers Protection

Q85. In which year did Mahatma Gandhi lead the Champaran movement against the indigo planters?

(a) 1915
(b) 1918
(c) 1917
(d) 1916

Q86. Rukmini Devi Arundale was associated with which classical dance of India?

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

Q87. The number of deaths per thousand persons in a year is known as _____.

(a) gross reproduction rate
(b) crude rate
(c) birth rate
(d) death rate

Q88. A traditional basketball team has 12 players, with _____ basketball players on the court at any given time.

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

Q89. Which state is the leading producer of cotton in India, as of April 2022?

(a) Gujarat
(b) Telangana
(c) Karnataka
(d) Madhya Pradesh

Q90. Which of the following statements is correct about endoplasmic reticulum?

I. It is a large network of membrane-bound tubes and sheets.
II. It is similar in structure to the plasma membrane.

(a) Only I
(b) Only II
(c) Neither I nor II

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(d) Both I and II

Q91. _____ was the capital of the Pandya dynasty.

(a) Madurai
(b) Karur
(c) Uraiyur
(d) Delhi

Q92. Brihadeshwara temple at Thanjavur is one of the largest temples in India and is an example of Dravidian architecture during the _____ period.

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

Q93. Who among the following Gupta rulers is known as the 'Napoleon of India'?

(a) Vishnugupta
(b) Skandagupta
(c) Samudragupta
(d) Chandragupta I

Q94. Who among the following was the first Indian to be selected to the British 'House of Commons' on a Liberal Party ticket?

(a) Chandra Shekhar Azad
(b) Dadabhai Naoroji
(c) Bhimrao Ramji Ambedkar
(d) Bhagat Singh

Q95. The largest ocean on Earth is _____.

(a) Arctic Ocean
(b) Pacific Ocean
(c) Atlantic Ocean
(d) Indian Ocean

Q96. To become a member of Rajya Sabha, a person should be a citizen of India and at least _____ of age.

(a) 30 years
(b) 35 years
(c) 28 years
(d) 32 years

Q97. His compositions for blockbusters such as Silsila and Chandni are a manifestation of his musical brilliance. Who is he?

(a) Ustad Bismillah Khan
(b) Pandit Shivkumar Sharma
(c) Ustad Zakir Hussain
(d) Jagjit Singh

Q98. Which of the following is not a tributary of Mahanadi?

(a) Indravati
(b) Shivnath
(c) Hasdeo
(d) Telen

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Q99. Who among the following was/are the first Indian to win the World Choreography Award 2020?

(a) Remo D'Souza
(b) Aparna Satheesan
(c) Suresh Mukund
(d) Bosco Caesar

Q100. Who among the following is India's richest person as of 6 April 2022?

(a) Mukesh Ambani
(b) Cyrus Poonawalla
(c) Shiv Nadar
(d) Gautam Adani

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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