SSC MTS Previous Year Paper (Held on: 18 July 2022 Shift 1)

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

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GENERAL INTELLIGENCE & REASONING

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

4, 34, 58, 76, 88, ?

(a) 94
(b) 96
(c) 98
(d) 92

Q2. In a certain code language, 'PEARL' is coded as '24153', 'EARTH' is coded as '41590' and 'PILE' is coded as '2634'. What is the code for the word 'HEAR' in that language?

(a) 2651
(b) 0415
(c) 1520
(d) 9054

Q3. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

TOR, ?, VQT, WRU, XSV

(a) UPS
(b) VPS
(c) VPT
(d) UNS

Q4. Which two signs need to be interchanged to make the following equation correct?

35 + 7 × 12 − 6 ÷ 2 = 6

(a) • and ×
(b) • and ÷
(c) • and ×
(d) × and ÷

Q5. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

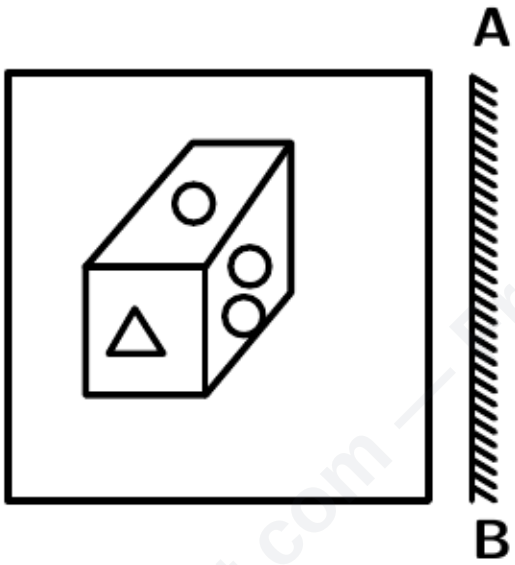
(8, 4, 1)

(12, 4, 5)

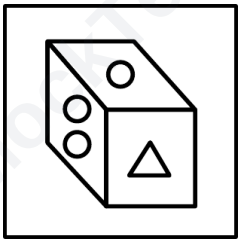
(a) (44, 20, 20)
(b) (20, 2, 12)
(c) (17, 8, 6)
(d) (33, 10, 21)

Q6. Select the correct mirror image of the given figure when the mirror is placed at the right side.

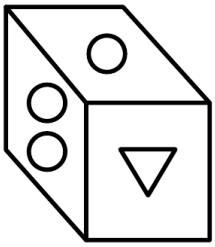
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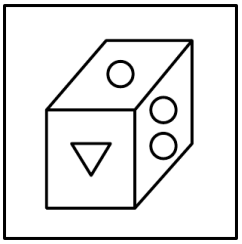
(a)



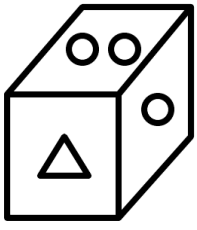
(b)



(c)



(d)



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Q7. By interchanging the given two signs ÷ and –, which of the following equations will be correct?

I. 143 + 6 × 18 ÷ 45 – 3 = 236

II. 133 – 7 + 16 × 11 ÷ 37 = 158

(a) Both I and II
(b) Only I
(c) Only II
(d) Neither I nor II

Q8. 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 festivals are fireworks.

No cracker is a firework.

No bomb is a festival.

Conclusions:

I. No bomb is a cracker.

II. Some bombs are crackers.

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

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.

Statement I: All mobiles are electronics.

Statement II: All laptops are electronics.

Conclusion I: Some mobiles are laptops.

Conclusion II: All mobiles are laptops.

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

Q10. 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.

RNP : SOQ :: CSN : DTO :: EJM : ?

(a) FKO
(b) FKL
(c) FKN
(d) FLN

Q11. In a certain code language, 'HAPREB' is written as 'IEUQAW', and 'GBCDFA' is written as 'HFHCBV'. How will 'QRPLAC' be written in that language?

(a) RVUKWX
(b) RVUJWX
(c) RVUJXW
(d) RVUKXW

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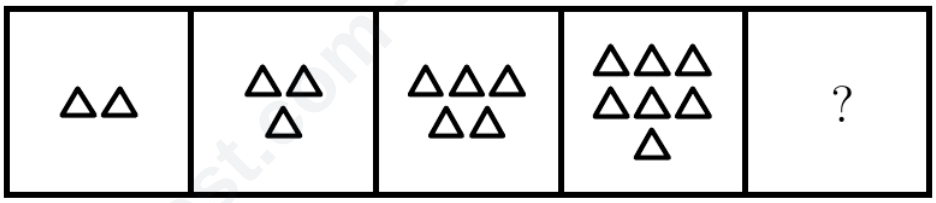
Q12. Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.

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)

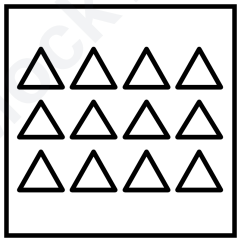
125 : 25 :: 64 : 16 :: 216 : ?

(a) 36
(b) 24
(c) 22
(d) 39

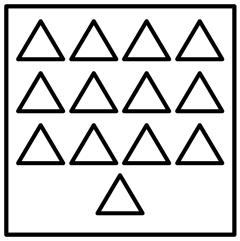
Q13. Select the figure from among the given options that can replace the question mark (?) in the following series.



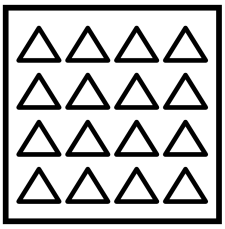
(a)



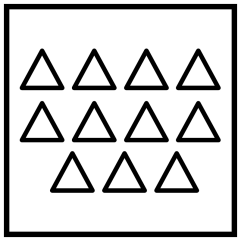
(b)



(c)

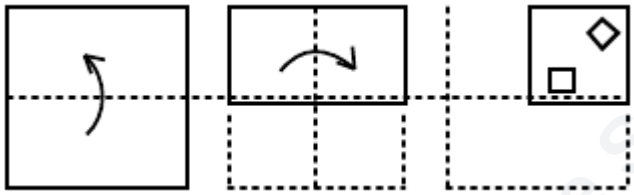


(d)

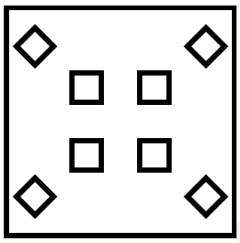


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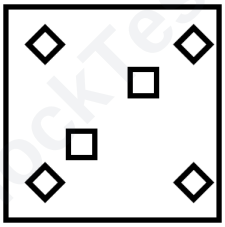
Q14. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



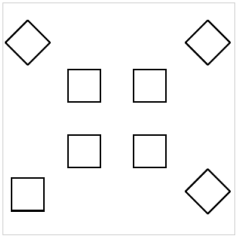
(a)



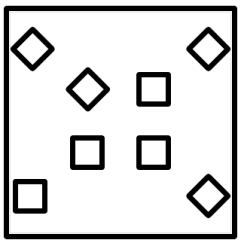
(b)



(c)



(d)



Q15. Six students, Riya, Mala, Ambika, Kajal, Heena and Sanya, are sitting around a circular table facing the centre (but not necessarily in the same order). Ambika is sitting third to the right of Heena. Riya is the immediate neighbour of Heena and Kajal. Mala is not the immediate neighbour of Heena. Kajal is to the immediate right of Ambika. Who is sitting second to the right of Riya?

(a) Sanya
(b) Mala
(c) Kajal
(d) Heena

Q16. Among five friends P, Q, R, S and T, T is taller than only three other friends. R is the tallest among all friends. Q is taller than only one person. Only two persons are taller than P. Who is the shortest among all the friends?

(a) T
(b) P

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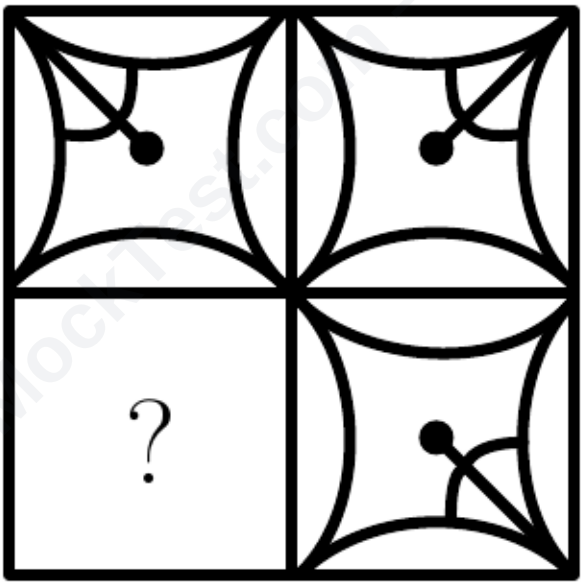
(c) Q
(d) S

Q17. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

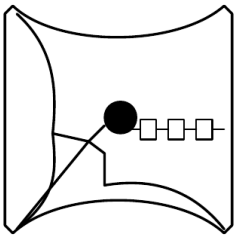
(8, 4, 48), (3, 6, 36), (8, 6, ?)

(a) 52
(b) 14
(c) 28
(d) 56

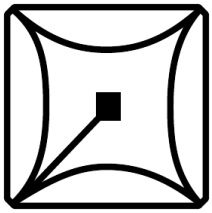
Q18. Select the option that can replace the question mark (?) in the given figure and complete the pattern.



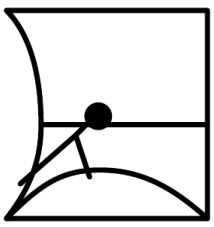
(a)



(b)

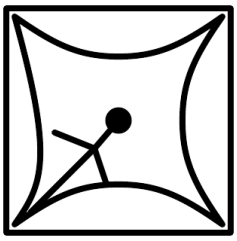


(c)



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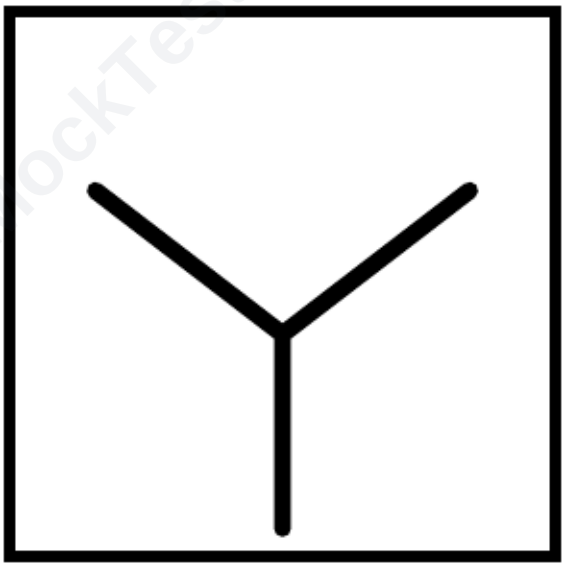
(d)



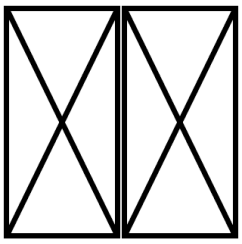
Q19. In a certain code language, 'ELITE' is coded as '3', and 'BLUE' is coded as '2'. How will 'ABSENCE' be coded in that language?

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

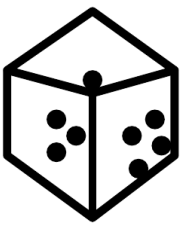
Q20. Select the option in which the given figure is embedded (rotation is NOT allowed).



(a)

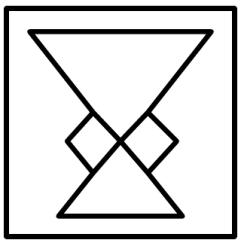


(b)

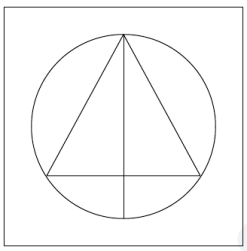


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(c)



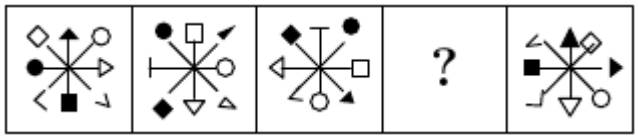
(d)



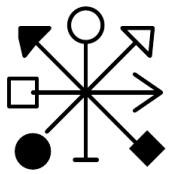
Q21. In a certain code language, if 'sky' is known as 'earth', 'earth' is known as 'water', 'water' is known as 'air', 'air' is known as 'light', and 'light' is known as 'sound', then what is it that humans breathe in?

(a) Air
(b) Earth
(c) Light
(d) Water

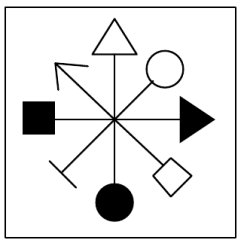
Q22. Select the figure from among the given options that can replace the question mark (?) in the following series.



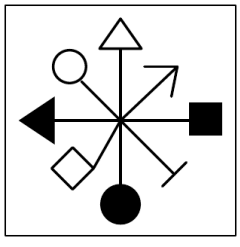
(a)



(b)

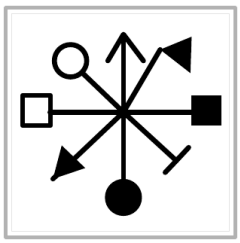


(c)



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(d)



Q23. Six books Hindi, Biology, Mathematics, Economics, Physics, Chemistry are placed in two racks facing each other with three books in each rack. Hindi and Chemistry are in the same rack but are not neighbours. Biology is placed exactly opposite to Economics. Biology is just left of Hindi facing South direction. Physics is exactly opposite to Chemistry. Which of the following is placed exactly opposite to Hindi?

(a) Chemistry
(b) Economics
(c) Biology
(d) Mathematics

Q24. 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.

TNG : RLD :: LAC : ?

(a) JYA
(b) JXZ
(c) JYZ
(d) JXA

Q25. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

THROUGH : UJUSZMO :: COSTUME : ?

(a) DQYXZSL
(b) DQWXZSL
(c) DQVXZSL
(d) DQVXZSK

NUMERICAL APTITUDE

Q26. Aadish can complete a work in 14 days. If he worked for 8 days, then what fraction of the work would be left?

(a) 2/7
(b) 3/7
(c) 4/7
(d) 1/7

Q27. The following table shows the income (in Rs.) of five different persons (A, B, C, D, E) over given 4 years.

Years	2015	2016	2017	2018
A	12000	12500	13000	13500
B	10000	11000	12000	13000
C	5000	6000	7000	8000
D	20000	25000	30000	35000
E	15000	16000	17000	18000

Find the average income of the five persons in year 2015.

(a) Rs. 12,600

(b) Rs. 12,400
(c) Rs. 12,700
(d) Rs. 12,500

Q28. The diameter of a circle is 42 cm. What is the difference between the lengths of the circumference and the radius of the circle? [Use π = 22/7]
(a) 98 cm
(b) 94 cm
(c) 111 cm
(d) 105 cm

Q29. Find the average of the first fifteen multiples of 11.
(a) 55
(b) 35.5
(c) 88
(d) 77

Q30. A and B together can do a piece of work in 24 days. A alone can do this work in 40 days. In how many days can B alone do this work?
(a) 40 days
(b) 56 days
(c) 60 days
(d) 16 days

Q31. The salary of Amit is 75% of the salary of Aman. The salary of Amit increases by 40% and the salary of Aman increases by 10%. By what approximate percentage is the new salary of Aman more than the new salary of Amit?
(a) 6.2%
(b) 9.6%
(c) 5.5%
(d) 4.8%

Q32. hat is the value of 0.0045 ÷ 4.5 × 100 - 45 ÷ 5 ?
(a) -8.9
(b) -9
(c) -8.1
(d) -9.9

Q33. Two numbers are in the ratio of 3 : 5. If their HCF is 8, then find the numbers.
(a) 36 and 60
(b) 12 and 20
(c) 48 and 80
(d) 24 and 40

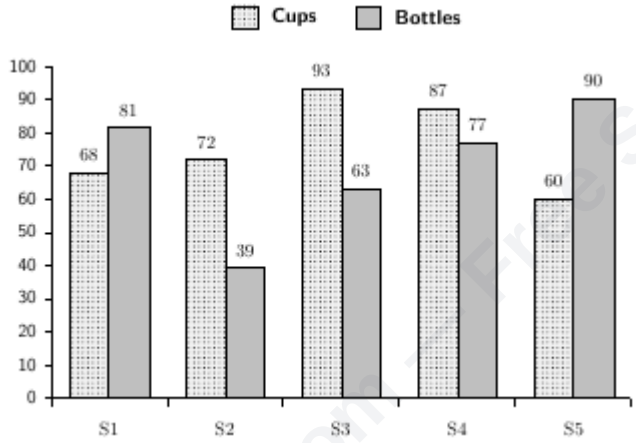
Q34. A invested an amount of Rs. 12,000 in a fixed deposit scheme for 2 years at an interest rate of 5% per annum, compounded annually. How much amount will A get on maturity of the fixed deposit?
(a) Rs. 13,230
(b) Rs. 11,280
(c) Rs. 12,450
(d) Rs. 14,560

Q35. Find the speed of a boat in still water if the boat goes 12 km/h along the stream and 4 km/h against the stream.
(a) 10 km/h
(b) 8 km/h
(c) 7 km/h
(d) 9 km/h

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Q36. Study the given bar-graph and answer the question that follows.

The bar-graph shows the number of bottles and the number of cups sold by five different shops during a given week.



The total number of bottles sold during the given week by the five shops taken together is approximate what percentage of the total number of cups sold during the given week by the five shops taken together?

(a) 96.43%
(b) 92.11%
(c) 87.22%
(d) 89.07%

Q37. When a watch is sold at 7/11 of the marked price, there is a loss of 20%. What is the ratio of the market price to the cost price of this watch?

(a) 44 : 35
(b) 31 : 25
(c) 41 : 25
(d) 38 : 35

Q38. If A = 2/3+4/7 of 14/12 and B = 5/12 of 7/15×36/21, then what is the value of A + B?

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

Q39. Kapila Rs. Bought 100 frocks at the rate of 320 per frock. Transport Expenses Rs. 1,000. He charged Rs. 1.50 and labor charges of Rs. 500. What should be the selling price per frock if she wants to make a profit of 10%?

(a) Rs. 385.45
(b) Rs. 370.15
(c) Rs. 390.80
(d) Rs. 336.50

Q40. A train travels for 2 hours at a speed of 6 m/sec. What is the distance covered by the train in the mentioned duration of time?

(a) 40.8 km
(b) 36.4 km
(c) 46.6 km
(d) 43.2 km

Q41. If 1/2:x::x:1/8, find the positive value of x.

(a) 1/25
(b) 1/12
(c) 1/4
(d) 1/11

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Q42. the average of 10 consecutive integers is 11/2. What is the average of the “smallest four” of these integers?

(a) 2.5
(b) 3.5
(c) 3
(d) 2

Q43. Ritika bought each set of 10 shirts for Rs. 8,000 and sold them at a rate of Rs. 9,000 for every 12 shirts. Find her profit or loss percentage.

(a) 7% profit
(b) 7.25% profit
(c) 8% loss
(d) 6.25% loss

Q44. In a class of 60 students, the ratio of girls to boys is 2 : 3. If 20 more girls join the class, then what is the new number of girls in the class?

(a) 45
(b) 44
(c) 50
(d) 56

Q45. The average weight of six persons is 30 kg. If a new person joins this group, then the average weight becomes 28 kg. What is the weight of the new person?

(a) 22 kg
(b) 14 kg
(c) 15 kg
(d) 16 kg

Q46. What is the simple interest on a principal of Rs. 24,000 for 4 years at the rate of 5% per annum?

(a) Rs. 4,800
(b) Rs. 3,600
(c) Rs. 5,600
(d) Rs. 5,000

Q47. The surface areas of the two spheres are in the ratio of 64 : 81. Find the ratio of their volumes, in the order given

(a) 512 : 729
(b) 64 : 729
(c) 8 : 81
(d) 4 : 9

Q48. The area of a sphere is 1386 cm^2. What is the radius of the sphere?

[Use $\pi = 22/7$]

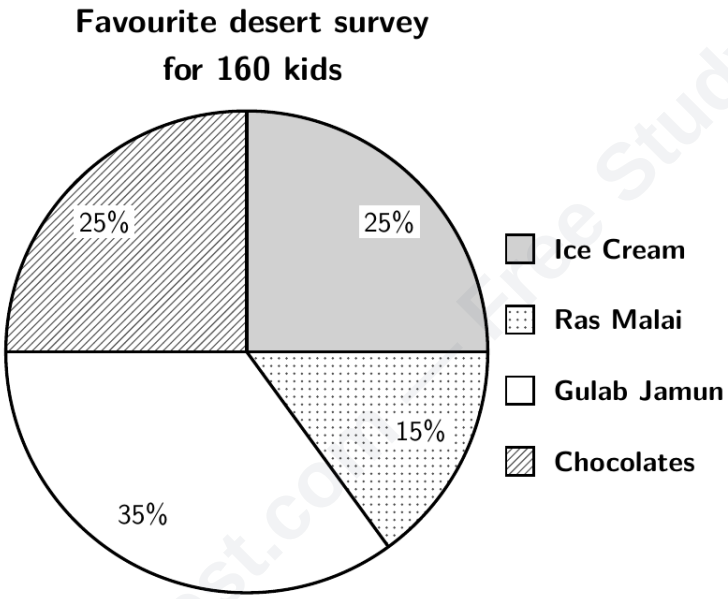
(a) 10.5 cm
(b) 7 cm
(c) 14 cm
(d) 18 cm

Q49. A tree height of 50 m was cut so that the height of the tree gets reduced by 10%. Find the present height of the tree.

(a) 45 m
(b) 35 m
(c) 25 m
(d) 15 m

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Q50. The following pie chart shows results from a survey of 160 kids about their favourite desserts.



What is the number of kids who like ice cream?

(a) 30
(b) 20
(c) 50
(d) 40

GENERAL ENGLISH

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

Below the belt

(a) Without any effort
(b) Very quickly
(c) Cruel and unfair
(d) Suspiciously

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

Her forty-fourth birthday had just passed, unnoticed by all but herself.

(a) had just passed, unnoticed by but all herself
(b) has just passed, unnoticed by all herself
(c) has just passed, unnoticed by but all herself
(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.

He sat down in a darkly corner and covered his face, and would not say a single word to anyone.

(a) No error
(b) and covered his face, and would
(c) He sat down in a darkly corner
(d) not say a single word to anyone

Q54. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The goons fled after kill a boy in the street.

(a) No error

(b) boy in the street
(c) after kill a
(d) The goons fled

Q55. Select the most appropriate option to fill in the blank.
She smashed a _____ of glass with the metal vase.
(a) pion
(b) pawn
(c) pane
(d) pain

Q56. Select the most appropriate option to fill in the blank.
I have visited _____ coaching institutes in your region.
(a) many
(b) mostly
(c) much
(d) any

Q57. Select the most appropriate ANTONYM of the given word.
Vanish
(a) Disappear
(b) Depart
(c) Conquer
(d) Emerge

Q58. Select the most appropriate synonym of the given word.
Acute
(a) Obtuse
(b) Faithful
(c) Chronic
(d) Dire

Q59. Select the most appropriate meaning of the given idiom.
Keep body and soul together
(a) Live happily
(b) Live as long as possible
(c) Be mentally and physically fit
(d) Stay alive during hard times

Q60. Select the most appropriate option to fill in the blank.
That fellow pushed me so hard that my vision got _____ for a second.
(a) simplified
(b) illuminated
(c) exposed
(d) blurred

Q61. Select the most appropriate option to fill in the blank.
I organised my dressing table by putting all the rubber bands _____ the drawer
(a) for
(b) in
(c) on
(d) at

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Q62. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

Next month, she was going to the institute to study for a master's degree.

(a) went to
(b) has gone to
(c) is going to
(d) No improvement required

Q63. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

He blew out the candle and went to sleepy.

(a) went to sleep
(b) go on sleep
(c) No improvement required
(d) gone to sleep

Q64. Select the most appropriate synonym of the underlined word in the given sentence.

Simon had always been an ardent follower.

(a) averse
(b) objective
(c) casual
(d) passionate

Q65. Select the most appropriate option to fill in the blank.

Most mainliners do not view modern culture as inherently _____ to religious belief.

(a) inimical
(b) inchoate
(c) inconclusive
(d) inadvertent

Q66. Select the option that corrects the misspelt words in the given sentence.

A number of measres have been sugested by her.

(a) A number of measrues have been sugessted by her.
(b) A number of measures have been sujjested by her.
(c) A number of measures have been suggested by her
(d) A number of mesures have been suggested by her.

Q67. Select the most appropriate ANTONYM of the given word.

Outstanding

(a) Astounding
(b) Ordinary
(c) Remarkable
(d) Honest

Q68. Select the INCORRECTLY spelt word.

(a) Chauffeur
(b) specielist
(c) Anchor
(d) Compere

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

_____ I learned that there was a gift for each child, I was delighted.

(a) When
(b) Though

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(c) While
(d) Which

Q70. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Both of my parents are dependent on my salary of their living.

(a) are dependent on my
(b) Both of my parents
(c) salary of their living
(d) No error

Directions

Direction: In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Many forests are cleared to (1) ____ way for palm oil plantations. Palm oil is the most (2) __ produced vegetable oil and is found in half of all supermarket products. It's cheap, versatile and can be added to (3) __ food and personal products like lipsticks and shampoo. (4) __ popularity has (5) ____ people to clear tropical forests to grow more palm trees.

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

(a) made
(b) take
(c) make
(d) give

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

(a) commonly
(b) casually
(c) lovingly
(d) usually

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

(a) both
(b) each
(c) one
(d) between

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

(a) Our
(b) Its
(c) It's
(d) Their

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

(a) baffled
(b) delighted
(c) curated
(d) prompted

GENERAL AWARENESS

Q76. The lowest known point on earth is called _____, which is present in the Pacific Ocean.

(a) Factorial Deep
(b) Challenger Deep
(c) Great Blue Hole

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(d) Great Barrier Reef

Q77. Renowned Indian classical dancer Mrinalini Sarabhai was awarded with the _____ in 1965.

(a) Padma Bhushan
(b) Padma Vibhushan
(c) Kalidas Samman
(d) Padma Shri

Q78. Which of the following sports was NOT played at the 2020 Summer Olympic Games (Held in 2021)?

(a) Bridge
(b) Tennis
(c) Basketball
(d) Judo

Q79. The Satnami Movement in Central India had a motive to:

(a) improve social status of leatherworkers
(b) ban child marriage
(c) open school for girls
(d) improve widow status

Q80. Under which Act was the Supreme court established in India?

(a) Regulating Act of 1773
(b) Pitt's India Act 1784
(c) Charter Act of 1853
(d) Charter Act of 1793

Q81. Who is the author of the book 'Fearless Governance'?

(a) Kiran Bedi
(b) Jaswant Singh
(c) Arun Shourie
(d) MJ Akbar

Q82. Which of the following is an example of a public sector bank in India?

(a) Federal Bank
(b) HDFC Bank
(c) Axis Bank
(d) Punjab National Bank

Q83. Which of the following was an integral part of the Indo-Islamic form of architecture?

(a) Domes
(b) Shutter windows
(c) Tall and steep slopes
(d) Square roofs

Q84. Which scheme of Rajasthan launched in 2022 provides the rural girls of the state with scholarship schemes?

(a) Udaan
(b) STARS Project
(c) SAMARTH
(d) Vision 2035

Q85. Who among the following was the first ruler of the Gupta dynasty to adopt the grand title of Maharaj-adhiraja?

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

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Q86. What is the capital of India's neighbouring country Myanmar?

(a) Dhaka
(b) Naypyidaw
(c) Thimphu
(d) Beijing

Q87. Laho is a folk dance of _____.

(a) Meghalaya
(b) Manipur
(c) Kerala
(d) Maharashtra

Q88. Which Article provides freedom to manage its own affairs in matters of religion?

(a) Article 210
(b) Article 5
(c) Article 26
(d) Article 370

Q89. Who among the following was the first Indian to win an individual gold medal at the Olympic Games?

(a) Abhinav Bindra
(b) Saina Nehwal
(c) Anju Bobby George
(d) Mahesh Bhupathi

Q90. Which of the following is the largest gland in the human body?

(a) Pancreas
(b) Pineal
(c) Liver
(d) Hypothalamus

Q91. Who has the power to abolish or create legislative council in the state?

(a) Parliament
(b) High court of the concerned state
(c) President
(d) Chief minister of the concerned state

Q92. Which of the following festivals is devoted to worshipping the Sun and celebrated mainly by the people of Bihar?

(a) Bohag Bihu
(b) Ugadi
(c) Chhath Puja
(d) Lohri

Q93. Swarnajayanti Gram Swarozgar Yojana (SGSY) was launched in _____.

(a) 1994
(b) 1999
(c) 1992
(d) 1995

Q94. Cobalt therapy is the medical use of _____ rays from the radioisotope cobalt60 to treat conditions such as cancer.

(a) alpha
(b) beta
(c) gamma
(d) Ultraviolet

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Q95. Amjad Ali Khan is associated with which instrument?

(a) Veena
(b) Nadaswaram
(c) Sarangi
(d) Sarod

Q96. In coastal areas, during the night, wind blows from land to sea because:

(a) low pressure is created on land
(b) land cools slower than water
(c) water cools slower than land
(d) high pressure is created at sea

Q97. 'Kathakali' is a classical dance form of which Indian state?

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

Q98. Which state is the leading producer of sugarcane in India, as of April 2022?

(a) Tamil Nadu
(b) Telangana
(c) Madhya Pradesh
(d) Uttar Pradesh

Q99. Which organelle is found both in eukaryotic and prokaryotic cells?

(a) Ribosome
(b) Golgi bodies
(c) Mitochondria
(d) Lysosome

Q100. Who defeated Maharana Pratap in the Battle of Haldighati in 1576?

(a) Jahangir
(b) Harihara I
(c) Akbar
(d) Nizam Shah

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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