SSC MTS Previous Year Paper (Held on: 19 July 2022 Shift 1)

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

Take this paper as a timed mock test

Practise under exam conditions, then review your answers after you submit.

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

GENERAL INTELLIGENCE & REASONING

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

6, 24, 60, 120, 210, ?

(a) 336
(b) 322
(c) 343
(d) 432

Q2. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

WXYZ, YZWX, ABUV, CDST, ?

(a) ABQR
(b) EFQR
(c) EFGR
(d) EFUV

Q3. In a certain code language, 'BRAVE' is written as '43' and 'BOTH' is written as '41'. How will 'ABACUS' be written in that code language?

(a) 43
(b) 47
(c) 41
(d) 31

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

264, 288, 312, ?, 360, 384

(a) 324
(b) 348
(c) 342
(d) 336

Q5. Nine people, A, B, C, D, E, F, G, H, and I, are sitting in a row facing south. E sits in the middle. Three people sit between E and G. Six people sit between G and B. Three people sit between B and A. F sits second to the right of A. I sits fourth to the left of F. I and E are not immediate neighbours. B and C are not neighbours. H sits to the right of D. Who is sitting fourth to the right of G?

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

Q6. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

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(a)



(b)



(c)



(d)



Q7. Which two numbers (NOT digits) should be interchanged to make the following equation correct?

26 ÷ 2 + 13 × 6 − 4 = 10

(a) 13 and 4
(b) 2 and 13
(c) 2 and 10
(d) 2 and 4

Q8. Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Cup : Coffee :: Glass : Juice :: Bowl : ?

(a) Knife
(b) Soup
(c) Spoon
(d) Dish

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:

All cookies are sweet.

Some sweets are snacks.

Conclusions:

I. All sweets are cookies.

II. All cookies are snacks.

(a) Neither conclusion I nor II follows.

(b) Both conclusions I and II follow.
(c) Only conclusion II follows.
(d) Only conclusion I follows.

Q10. Select the option in which the numbers are related in the same way as are the numbers in the following sets.

(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)

(16, 18, 20)

(17, 19, 21)

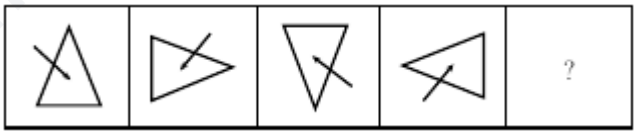
(a) (64, 66, 68)
(b) (24, 26, 30)
(c) (28, 30, 26)
(d) (36, 40, 42)

Q11. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given letter-clusters.

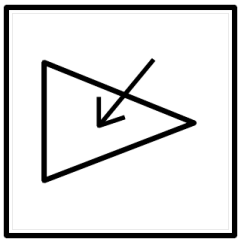
RN : UQ

(a) LA : OX
(b) TG : WL
(c) KR : NU
(d) PN : SR

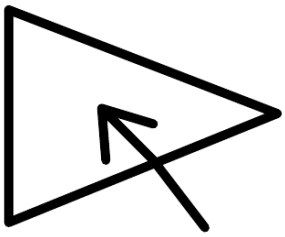
Q12. Select the figure from among the given options that can replace the question mark (?) in the following series.



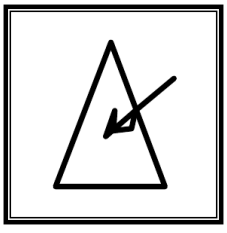
(a)



(b)



(c)



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(d)



Q13. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. No B is A.

II. No C is B.

Conclusions:

I. No C is A.

II. No A is B.

III. Some B are not C.

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

Q14. In a certain code language, ‘HELP’ is coded as ‘851216’ and ‘GRAN’ is coded as ‘718114’. How will ‘FOMS’ be coded in that language?

(a) 6511319
(b) 615139
(c) 6141319
(d) 6151319

Q15. S, T, U, V and W are sitting around a circular table facing the centre (but not necessarily in the same order). S is the immediate neighbour of T and W. U is to the immediate right of T. V is the immediate neighbour of U and W. Who is sitting to the immediate left of S?

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

Q16. The height of five students, Aakriti, Kiran, Lisa, Manisha and Rekha, are compared. The height of Kiran is more than only two students. The height of Manisha is immediately greater than Rekha, and Rekha is immediately greater than Kiran. How many students are taller than Rekha?

(a) Four
(b) Two
(c) Three
(d) One

Q17. In a certain code language, if blue is called pink, pink is called yellow, yellow is called orange, orange is called red, and red is called violet, then what is the colour of sunflower?

(a) Orange
(b) Red
(c) Pink
(d) Yellow

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Q18. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given letter-clusters.

TAP : JUN

(a) DOC : JUI
(b) FED : XYZ
(c) TXA : VRY
(d) KIB : VEE

Q19. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

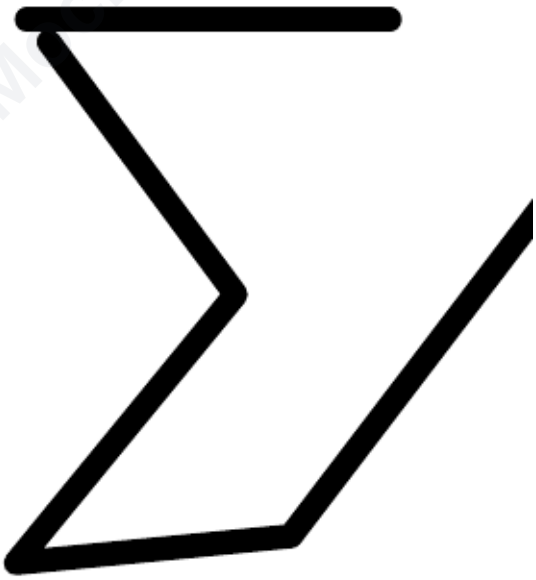
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

(3, 5, 30)

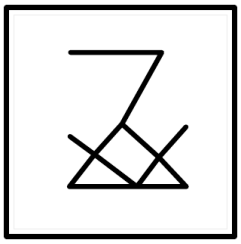
(6, 5, 60)

(a) (4, 6, 38)
(b) (6, 7, 84)
(c) (4, 7, 28)
(d) (3, 9, 44)

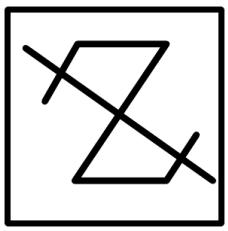
Q20. Select the option in which the given figure is embedded as its part (rotation is NOT allowed).



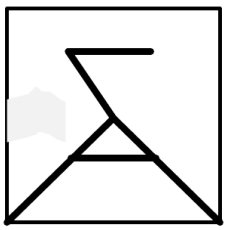
(a)



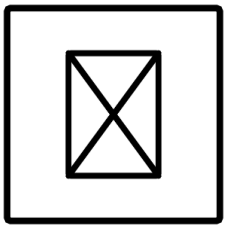
(b)



(c)



(d)

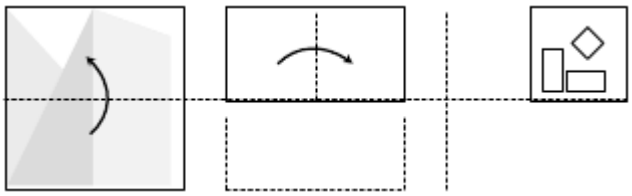


Q21. What will come in the place of '?' in the following equation, if '+' and '×' are interchanged and also '–' and '÷' are interchanged?

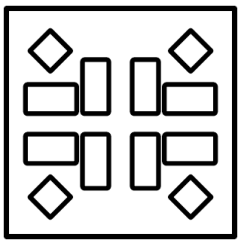
1 × 14 + 30 – 20 ÷ 10 = ?

(a) 43
(b) 21
(c) 39
(d) 12

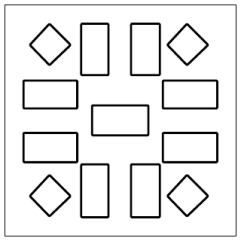
Q22. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



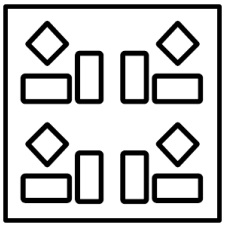
(a)



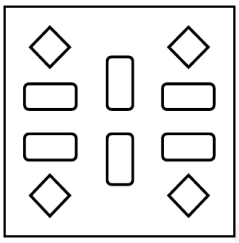
(b)



(c)



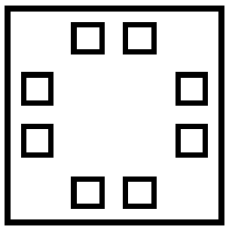
(d)



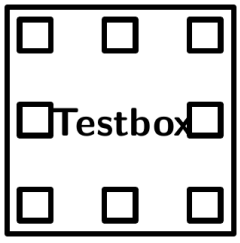
Q23. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



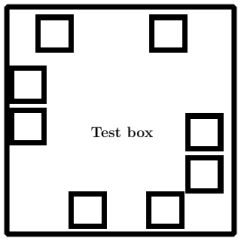
(a)



(b)

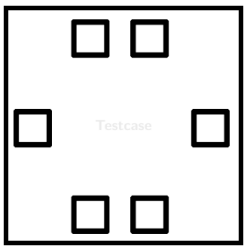


(c)



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(d)



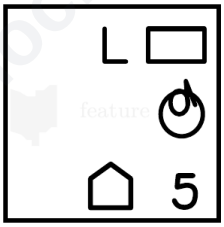
Q24. If &@$! = 8213 and &%# = 860, then what is %#&$?

(a) 6801
(b) 6081
(c) 6810
(d) 6018

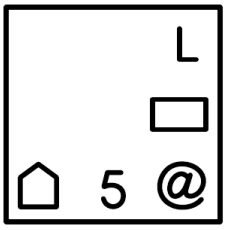
Q25. Select the figure from the given options that can replace the question mark (?) in the following series.



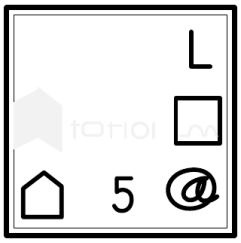
(a)



(b)



(c)



(d)



NUMERICAL APTITUDE

Q26. What is the value of -19 + 11 - 5 - (1 ÷ 8) of 32?

(a) -17
(b) 17
(c) 19
(d) -19

Q27. A work that could be completed in 10 days was completed in 8 days as 5 more men joined at the start of work. What was the total number of men before the 5 men joined?

(a) 18
(b) 10
(c) 20
(d) 12

Q28. The average of X, Y and Z is 2X. If the average of Y and Z is 20, then what is the value of X?

(a) 6
(b) 8
(c) 10
(d) 5

Q29. A merchant bought 60 sheep at Rs. 120 per sheep. He sold 40 of them at Rs. 150 each. Another 10 of the sheep died. What should be the selling price of the remaining sheep, if he wants a total profit of Rs. 800?

(a) Rs. 150
(b) Rs. 180
(c) Rs. 250
(d) Rs. 200

Q30. The following table shows the number of cars of 6 different brands on the roads during a given year.

Brand	Cars
B1	2000
B2	2200
B3	2700
B4	1800
B5	1300
B6	3000

The cars of brand B2 are what percentage of the number of cars of all the 6 given brands taken together? [Give your answer correct to 2 decimal places.]

(a) 11.43%
(b) 16.92%
(c) 19.81%
(d) 13.85%

Q31. What distance will be covered by a car moving at 72 km/h in 10 seconds?

(a) 200 m
(b) 50 m
(c) 20 m
(d) 100 m

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Q32. The volume of a right circular cone is 196π cm^3. If the area of its base is 154 cm^2, what is the vertical height of the cone? [Use $\pi = 22/7$]

(a) 10 cm
(b) 12 cm
(c) 14 cm
(d) 16 cm

Q33. If 90 is increased by x%, then it becomes 117. What is the value of x?

(a) 20
(b) 30
(c) 15
(d) 25

Q34. The area of a circle is 15400 cm^2. What is the positive difference between the radius and the circumference of the circle? [Use $\pi = 22/7$]

(a) 410 cm
(b) 370 cm
(c) 330 cm
(d) 420 cm

Q35. In a class of 50 students and 6 teachers, each student got a number of chocolates that is equal to 16% of the total number of students, and each teacher got a number of chocolates that is equal to 12% of the total number of students. How many chocolates were there in total?

(a) 436
(b) 420
(c) 360
(d) 450

Q36. A vendor mixed two varieties of rice costing Rs. 60 per kg and Rs. 45 per kg in the ratio 3 : 7. If he sells the mixed variety at Rs. 65 per kg, then what is his gain percentage? [Give your answer correct to two decimal places.

(a) 31.31%
(b) 15.5%
(c) 49.5%
(d) 5.5%

Q37. If a person goes from home to his college at a speed of 12 km/h, he reaches 7 minutes early. If he goes at a speed of 8 km/h, he reaches 14 minutes late. What is the distance between his home and his college?

(a) 9.2 km
(b) 9.6 km
(c) 8.4 km
(d) 7.6 km

Q38. If the total simple interest received on a sum for 25 years is 5/8 of the principal, what is the rate of simple interest paid per annum?

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

Q39. The average of X, Y and Z is 52. The average of X and Y is 48. The average of Y and Z is 60. What is the value of Y?

(a) 56
(b) 48
(c) 60
(d) 54

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Q40. A man divides Rs. 1,100 among three kids in the ratio 1/2:2/5:3/4. What is the share of the kid who got the maximum share?

(a) Rs. 500
(b) Rs. 600
(c) Rs. 750
(d) Rs. 800

Q41. 35 girls can complete a piece of work in 12 days. If 5 fewer girls are put on the work, in how many days can they complete the work?

(a) 12
(b) 15
(c) 13
(d) 14

Q42. Select the number that will come in place of the question mark (?) in the following mathematical statement.

12/15 of 40% of 1800 = ? × 480

(a) 1.2
(b) 0.9
(c) 1.05
(d) 0.8

Q43. The selling price of a pen is Rs. 660. If the profit is 20%, then what is the nominal profit earned on the sale of the pen?

(a) Rs. 110
(b) Rs. 130
(c) Rs. 140
(d) Rs. 90

Q44. The marked price of a bottle is Rs. 2,600. Two successive discounts of 10% and 30% are given. What is the selling price?

(a) Rs. 1,768
(b) Rs. 1,458
(c) Rs. 1,518
(d) Rs. 1,638

Q45. Rs. 15,000 is lent for one year at the rate of 20% per annum, the interest being compounded annually. If the compounding of the interest is done half-yearly, then how much more interest will be obtained at the end of the one-year period on the same initial sum?

(a) Rs. 250
(b) Rs. 200
(c) Rs. 150
(d) Rs. 180

Q46. The lengths of the parallel sides of a trapezium are 10 cm and 20 cm. If the distance between these parallel lines is 5 cm, then what is the area of the trapezium?

(a) 50 cm^2
(b) 60 cm^2
(c) 45 cm^2
(d) 75 cm^2

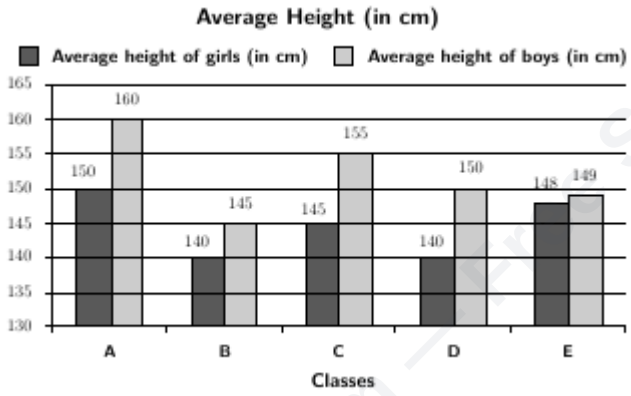
Q47. What is the largest two-digit number that is divisible by both 7 and 3?

(a) 91
(b) 96
(c) 63
(d) 84

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Q48. Study the given graph and answer the question that follows.

The graph shows the average height (in cm) of the boys and the girls of five classes in a school.



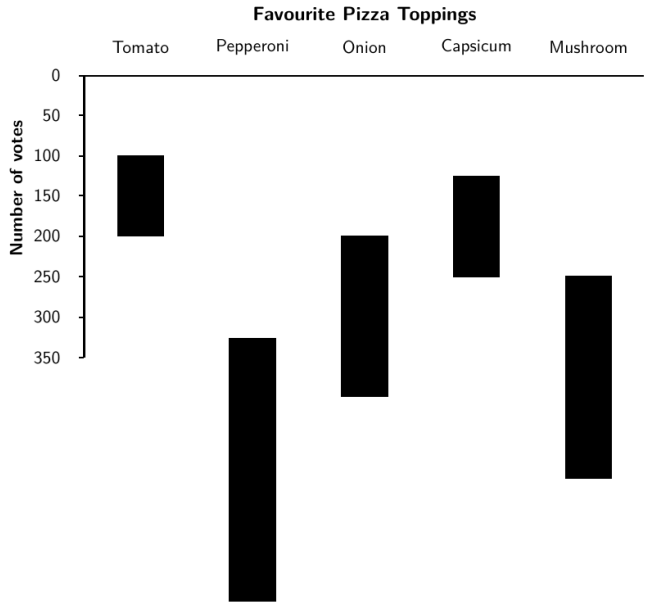
If the numbers of girls and the numbers of boys in Class C are equal, then what is the combined average height of all the students of Class C, taken together?

(a) 150 cm
(b) 140 cm
(c) 135 cm
(d) 145 cm

Q49. If 24 X + 24 Y = 192, then what is the average of X and Y?

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

Q50. The following bar graph shows the number of votes for favourite pizza toppings.



Of all the votes, what is the percentage of the votes for pepperoni?

(a) 0.325%
(b) 325%
(c) 3.25%
(d) 32.5%

GENERAL ENGLISH

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

A gut feeling

(a) False attempt
(b) An instinct or intuition
(c) A liability
(d) A suppressed feeling

Q52. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

New fashion trends / come onto the / scene periodically.

(a) come onto the
(b) New fashion trends
(c) scene periodically
(d) No error

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

The weather patterns _____ that we will have a winter season, perhaps a good one.

(a) suggests
(b) has suggested
(c) suggest
(d) have been suggested

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.

Most of the families in / my research rely at phone calls / for almost all of their communication.

(a) for almost all of their communication
(b) No error
(c) Most of the families in
(d) my research rely at phone calls

Q55. Select the option that can be used as a one-word substitute for the given group of words.

A place for breeding and keeping birds

(a) Kennel
(b) Aviary
(c) Apiary
(d) Den

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

My son has been sleeping for twelve hours at a stretch.

(a) is been sleeping
(b) were sleeping
(c) have been sleeping
(d) No improvement required

Q57. Select the most appropriate option to fill in the blank.

Smoking is _____ in my office building.

(a) banned
(b) bend
(c) band
(d) bated

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Q58. Select the correctly spelt word.

(a) Experienses
(b) Immersive
(c) Institutionalsed
(d) Tremandous

Q59. Select the most appropriate synonym of the underlined word.

Our company wants to collaborate with your team.

(a) Repel
(b) Defy
(c) Captivate
(d) Collude

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

The action of using someone or something as a model

(a) Magic
(b) Foundation
(c) Imitation
(d) Caption

Q61. Select the INCORRECTLY spelt word.

(a) Local
(b) Vehical
(c) Focal
(d) Vocal

Q62. Select the most appropriate meaning of the given idiom.

Go the extra mile

(a) Overwhelming the competitors
(b) Going in search of something better
(c) Going above and beyond whatever is required for the task at hand
(d) Wasting time in unnecessary efforts

Q63. 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.

My friend Jatin usually wears a spectacle.

(a) My friend Jatin
(b) usually wears
(c) a spectacle
(d) No error

Q64. Select the most appropriate synonym of the given word.

Polished

(a) Crude
(b) Paramount
(c) Boring
(d) Cultured

Q65. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required.'

The main road was entirely blocked till the time the cranes move the damage vehicles.

(a) No substitution required
(b) moved the damaged
(c) moving the damage

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(d) moves the damaged

Q66. Select the most appropriate ANTONYM of the given word.

Scold

(a) Nag
(b) Praise
(c) Alarm
(d) Avoid

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

Irrational

(a) Gloomy
(b) Illogical
(c) Reasonable
(d) Peaceful

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

Divergence

(a) Dissonance
(b) Separation
(c) Departure
(d) Confluence

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

Doctor Bayley tripped under some large roots and cuts her head on a rock.

(a) No improvement required
(b) tripped over some large roots and cut
(c) tripped over and above some large roots and cut
(d) tripped upon some larger roots and cuts

Q70. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select ‘No improvement required’. I didn't saw any point in spending money on new clothes.

(a) didn't seen any
(b) don't sees any
(c) No improvement required
(d) didn't see any

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.

Regular check-ups are (1)____ for a car’s top-notch performance, but did you know that there is a direct link (2)__ your car health and its emissions? A well-maintained car engine is (3)__ efficient and burns less gas, (4)__ reducing airborne emissions. Secondly, tyre pressure (5)____ always match the manufacturer-recommended Pounds Per Square Inch (PSI) rating.

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

(a) trivial
(b) nominal
(c) acute
(d) vital

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

(a) along
(b) among
(c) between

(d) across

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

(a) many
(b) such
(c) few
(d) more

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

(a) hereby
(b) yet
(c) thereby
(d) though

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

(a) have to
(b) lest
(c) must
(d) would

GENERAL AWARENESS

Q76. Which famous Rashtrakuta king built the rock-cut temple of Kailash at Ellora?

(a) Bhoja
(b) Govinda III
(c) Rashtrakuta King Krishna I
(d) Jai Chand

Q77. Commercial banks keep their deposits with RBI. These deposits are called _____.

(a) liability
(b) loans
(c) inheritance
(d) reserves

Q78. Pandit Rajendra Gangani is associated with which classical dance of India?

(a) Manipuri dance
(b) Kathak dance
(c) Odissi dance
(d) Sattriya dance

Q79. With which musical instrument was Ustad Bismillah Khan associated?

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

Q80. The popular style of temple architecture in northern India is called _____.

(a) Panchayatana
(b) Nagara
(c) Shikara
(d) Dravida

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Q81. Who took oath as the 28^(th) Chief Minister of Punjab in March 2022?

(a) Bhagwant Mann
(b) Charanjit Singh Channi
(c) Parkash Singh Badal
(d) Amarinder Singh

Q82. Which of the following statements is INCORRECT?

(a) Electric charge is a scalar quantity.
(b) Protons are positively charged.
(c) Electrons are negatively charged.
(d) Electric charge is a vector quantity.

Q83. In which year did the Mughal Emperor Shah Alam II appoint the East India Company as the Diwan of Bengal?

(a) 1758
(b) 1755
(c) 1760
(d) 1765

Q84. The Sattriya dance has developed from the monasteries of:

(a) West Bengal
(b) Ladakh
(c) Assam
(d) Tripura

Q85. Which of the following is NOT a reason for slowing down of the Non-cooperation Movement?

(a) Due to the absence of alternative Indian institution, boycott of British institutions posed a problem.
(b) Leaders of the movement shifted their focus towards domestic work thus created a void.
(c) Many lawyers resigned but then absence of income for a longer period of time compelled them to rejoin.
(d) Khadi cloth was often more expensive than mass-produced mill cloth and poor people could not afford to buy it.

Q86. Amoeba acquires its food through the process of _____.

(a) photosynthesis
(b) diffusion
(c) endocytosis
(d) exocytosis

Q87. The part of the Himalayas lying between Satluj and Kali rivers is known as _____.

(a) Himachal Himalayas
(b) Kumaon Himalayas
(c) Punjab Himalayas
(d) Kashmir Himalayas

Q88. Which of the following is NOT a pair of micronutrients?

(a) Iodine and minerals
(b) Calcium and fats
(c) Minerals and iron
(d) Iodine and iron

Q89. Half of India’s population lives in just five states. Which of the following is one of those states?

(a) Uttarakhand
(b) Kerala
(c) Gujarat
(d) West Bengal

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Q90. The largest dam in India, the Hirakud Dam, is built on which of the following rivers?

(a) Tapi
(b) Godavari
(c) Kaveri
(d) Mahanadi

Q91. Which team has won the season 8 of Pro Kabbadi league?

(a) Patna Pirates
(b) Dabang Delhi KC
(c) UP Yoddha
(d) Bengaluru Bulls

Q92. Who among the following won the Formula One 2022 Bahrain Grand Prix?

(a) Charles Leclerc
(b) Lewis Hamilton
(c) Max Verstappen
(d) Carlos Sainz Jr.

Q93. Which of the following Indian festivals celebrates the death of the demon king Ravana at the hands of Lord Rama?

(a) Navratri
(b) Dussehra
(c) Diwali
(d) Holi

Q94. What is the name of the DIGI-book launched by NITI Aayog's Atal Innovation Mission (AIM)?

(a) Innovations For You
(b) Innovations and You
(c) Innovations For All
(d) Innovations for Youth

Q95. Tendulkar Methodology is associated with the estimation of _____ in India.

(a) unemployment
(b) population size
(c) poverty
(d) national income

Q96. Ashoka fought a war to conquer Kalinga. Kalinga was the ancient name of coastal _____.

(a) Madras
(b) Orissa
(c) Bombay
(d) Bengal

Q97. What is the meaning of the term Moraine?

(a) Melting of accumulated snow
(b) Material transported and deposited by glacier
(c) Valley with vertical sides and wide floor
(d) The higher level tributary

Q98. Who is the author of the book 'Train to Pakistan'?

(a) Mulk Raj Anand
(b) Khushwant Singh
(c) Amitav Ghosh
(d) Shashi Tharoor

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Q99. Which of the following is a Fundamental Right?

(a) Right to fundamental duties
(b) Right to elect
(c) Right to information
(d) Right to constitutional remedies

Q100. Which of the following states has one house in its state legislature?

(a) Karnataka
(b) Gujarat
(c) Andhra Pradesh
(d) Maharashtra

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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