SSC MTS Official Paper (Held On: 19 May, 2023 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2023 • 90 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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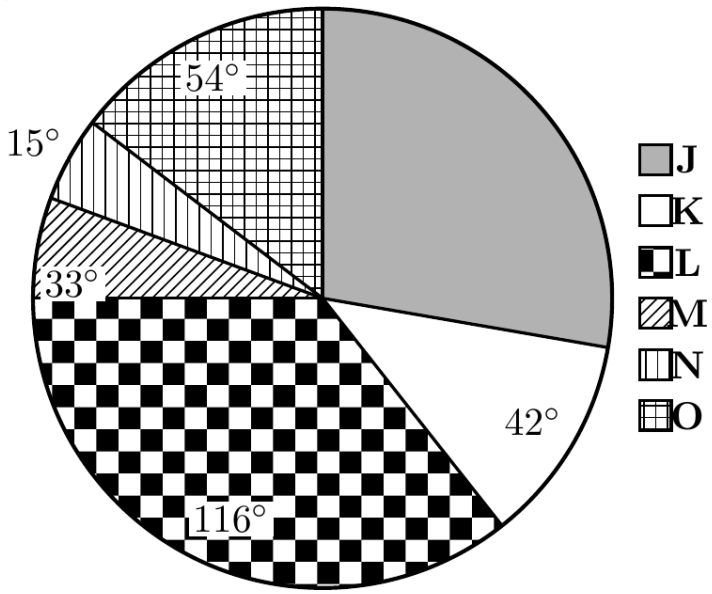
Scan the QR code or click the link to open it.

SESSION 1

Q1. The area of a rectangular floor is 600 square feet. If the length of the floor is 30 feet, then what is the breadth of the floor?

(a) 10 feet
(b) 60 feet
(c) 30 feet
(d) 20 feet

Q2. The pie chart given below shows the price of 6 different articles. The total price of all these 6 articles is Rs. 5760. The price of a particular article is shown in terms of degree with respect to the total price of all these 6 articles.



P1 = The difference between the average price of K and L and the average price of J and N.

P2 = The total price of J, M, N and O.

What is the value of (P1 + P2)?

(a) 3232
(b) 5426
(c) 3576
(d) 2426

Q3. What is the value of (2.5× 2.5+0.3× 0.3+5× 0.3)/(1.6× 1.6+0.6× 0.6-1.2×1.6) ?

(a) 8.64
(b) 7.84
(c) 2.8

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(d) 7.64

Q4. If a : b : c = 5 : 6 : 4, then what is the value of (a + b + c) : (3a + b - c)?

(a) 18 : 23
(b) 25 : 23
(c) 18 : 19
(d) 15 : 17

Q5. What will be the average of all the even numbers between 5 and 29?

(a) 14
(b) 22
(c) 19
(d) 17

Q6. X and Y together can do a work in 10 days. Y and Z together can do the same work in 15 days. Z and X together can do the same work in 12 days. In how many days can Z alone do the same work?

(a) 80 days
(b) 50 days
(c) 40 days
(d) 60 days

Q7. The average speed of a car is 1500 metres/minute. A sprinter covers 200 metres in 30 seconds. What is the difference in the speed of car and the speed of sprinter?

(a) (65/3) m/s
(b) (54/11) m/s
(c) (55/3) m/s
(d) (64/3) m/s

Q8. What is the smallest three-digit number which when divided by 2, 3 and 4 leaves remainder 1 in each case?

(a) 105
(b) 111
(c) 109
(d) 101

Q9. The HCF and LCM of the two numbers are 20 and 2880 respectively. If one of them is 180, then find the other number?

(a) 660
(b) 300
(c) 320
(d) 350

Q10. In a 64 litres mixture, the alcohol and water are in the ratio of 1 : 3 respectively. 32 liters of mixture is taken off and replaced with 16 liters of water. What is the new ratio of alcohol and water respectively?

(a) 1 : 5
(b) 2 : 7
(c) 3 : 10
(d) 5 : 12

Q11. The table given below shows the demand and production of five articles.

Articles	Demand	Production
P	400	500
Q	450	650
R	250	550

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S	150	850
T	850	1050

Which of the following statement is correct?

I. The value of average demand of all articles are 420.

II. The production of P and Q together is 52.60 percent of the production of S and T together.

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

Q12. A sum becomes Rs. 12960 in 2 years at the rate of 4 percent per annum on simple interest. What is the sum?

(a) Rs. 12000
(b) Rs. 12200
(c) Rs. 11600
(d) Rs. 10000

Q13. If the price of onion increases from Rs. 60/kg to Rs. 75/kg, then by what percentage a household should decrease the consumption of onion so that expenditure remains same?

(a) 25 percent
(b) 20 percent
(c) 30 percent
(d) 40 percent

Q14. A trader allowed a discount of 30 percent on a trolley bag having list price of Rs. 1800 and earns a profit of 20 percent. What is the cost price of the trolley bag?

(a) Rs. 1050
(b) Rs. 1230
(c) Rs. 1440
(d) Rs. 1160

Q15. Sumit lent Rs. 5000 to Ram for 2 years and Rs. 8000 to Mayur for 3 years on simple interest at the same rate of interest and received Rs. 1700 in total from both of them as interest. What is the rate of interest per annum?

(a) 8% per annum
(b) 10% per annum
(c) 5% per annum
(d) 4% per annum

Q16. A person earns a profit of 30 percent by selling an article for Rs. 325. How much percent should he increase his selling price to earn a profit of 40 percent?

(a) 7.69 percent
(b) 6.66 percent
(c) 8.25 percent
(d) 5.25 percent

Q17. A man sold his bike for Rs. 18,600 at 55% profit. At what price would he have sold to incur a loss of 10%?

(a) Rs. 10,800
(b) Rs. 16,600
(c) Rs. 11,200
(d) Rs. 15,000

Q18. Sonu and Monu can do a piece of work in 8 days and 12 days respectively. If at the end of the work they got Rs. 8400. What is the share of Sonu?

(a) Rs. 5040
(b) Rs. 2360

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(c) Rs. 1680
(d) Rs. 3480

Q19. A man walking at the speed of 8 km/hr covers a certain distance in 5 hours and 30 minutes. If he covers the same distance by cycle in 4 hours, then what is the speed of cycle?
(a) 15 km/hr
(b) 8 km/hr
(c) 11 km/hr
(d) 9 km/hr

Q20. The difference between the length and breadth of a rectangle is 40 metres. If its perimeter is 96 metres, then what will be the area of rectangle?
(a) 152 metre^2
(b) 176 metre^2
(c) 254 metre^2
(d) 110 metre^2

Q21. Three statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All bricks are wall.

Some roads are wall.

All stones are wall.

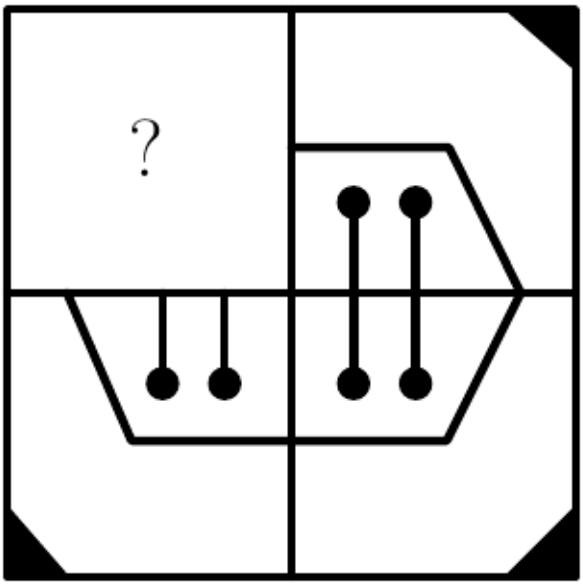
Conclusions:

I. Some stones are walls.

II. Some walls are bricks.

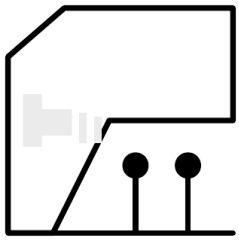
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor II follows

Q22. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

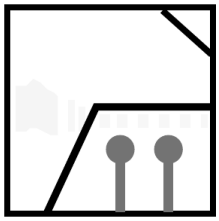


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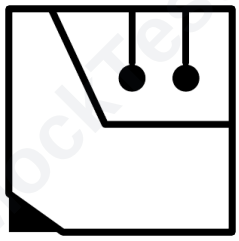
(a)



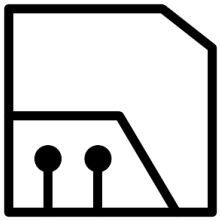
(b)



(c)



(d)



Q23. Which two signs should be interchanged to make the given equation correct?

5 × 6 - 7 + 24 ÷ 12 = 35

(a) • and =
(b) × and -
(c) • and -
(d) = and -

Q24. In a certain code language, ‘ENERGY' is coded as ‘ZGSEOE’. What is the code for 'FORMAL' in that code language?

(a) BMAPRF
(b) MANRPF
(c) NFRPFL
(d) NAMRPF

Q25. Which of the following numbers will replace the question mark (?) in the given series?

38, 17, -2, -19, -34, -47, -58, ?

(a) -67
(b) -60
(c) -74
(d) -72

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Q26. Which of the following letter will replace the question mark (?) in the given series?

U, R, O, L, I, F, ?

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

Q27. In a certain code language, 'BOIL' is written as '152' and 'HOT' is written as '129'. How will 'HEATING' be written in that language?

(a) 844
(b) 448
(c) 488
(d) 484

Q28. In a certain code language, ‘LORD’ is written as '5409', 'MODE' is written as ‘4685', ‘LOAD' is written as '5047'. What is ‘M’ written in that code language?

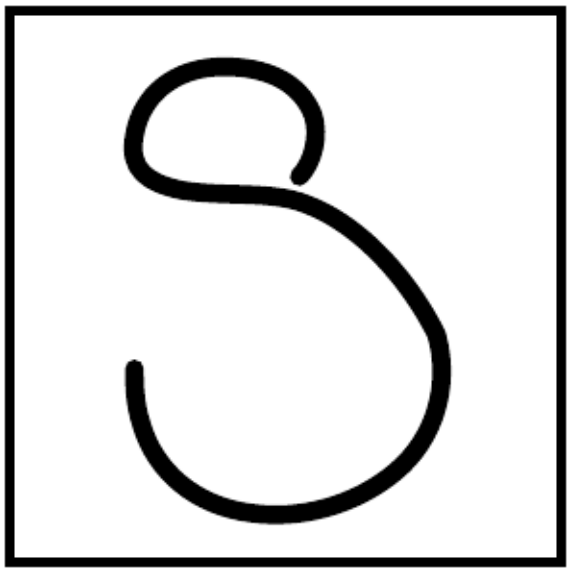
(a) 4
(b) 7
(c) 5
(d) 6

Q29. Select the option that is related to the third word in the same way as the second word is related to the first word.

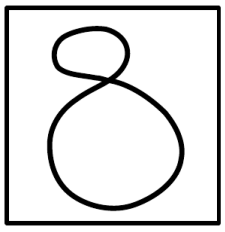
Infanticide : Child :: Patricide : ?

(a) Mother
(b) Wife
(c) Husband
(d) Father

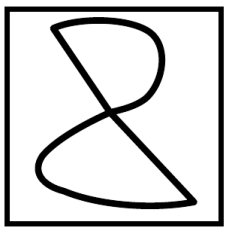
Q30. Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



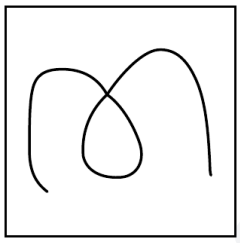
(a)



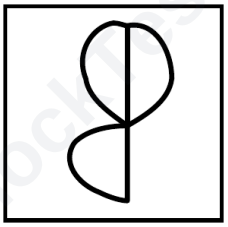
(b)



(c)



(d)

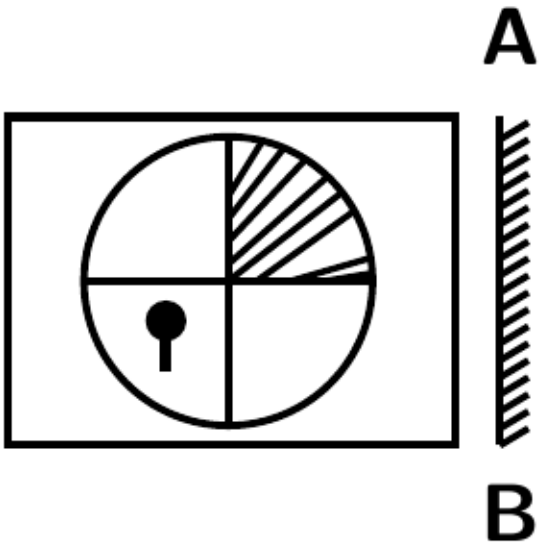


Q31. In the following question, select the missing number of the given series.

110, 131, 153, 176, 200, ?

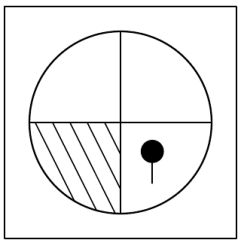
(a) 218
(b) 225
(c) 220
(d) 224

Q32. Select the correct mirror image of the given figure when the mirror AB is placed to the right side of the figure.

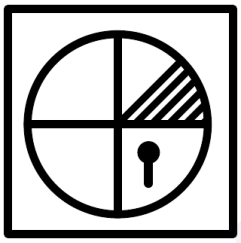


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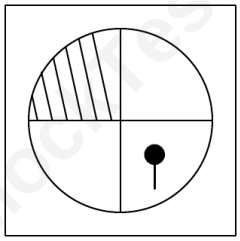
(a)



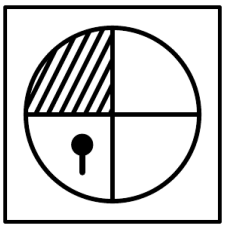
(b)



(c)



(d)



Q33. 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.

MEJ : PFK :: SQK : ?

(a) LSV
(b) VRL
(c) VTL
(d) SLV

Q34. Which two numbers should be interchanged so that the value of the given expression remains correct?

15 - 24 + 63 ÷ 7 × 2 = 9

(a) 63 and 24
(b) 7 and 63
(c) 63 and 9
(d) 24 and 9

Q35. Height of seven boys M, N, O, P, Q, R and S are given as follows. Only one person is shorter than Q. S is the tallest. R is taller than P but shorter than O. P is not the shortest. N is shorter than only one person. Who is the third tallest among the boys?

(a) O
(b) R
(c) P

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(d) N

Q36. Six people P, Q, R, S, T and U are sitting in two parallel rows such that three of them in one row facing north and the other three are sitting in the second row facing south. P is facing south. U sits opposite to R. R faces the same direction as P. S does not face south. T faces north but is not sitting opposite P. Who sits opposite to T?

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

Q37. Select the option that is related to the sixth number in the same way as the first number is related to the second number and third number is related to fourth number.

8 : 72 :: 10 : 110 :: ? : 210

(a) 12
(b) 16
(c) 18
(d) 14

Q38. Six friends Anshu, Aman, Adarsh, Akash, Arpit and Ankit are sitting in a row facing south. Arpit is sitting to the immediate right of Adarsh. Anshu is sitting fourth to the right of Arpit. Akash is sitting second to the left of Aman. Who is sitting second to the left of Anshu?

(a) Aman
(b) Akash
(c) Adarsh
(d) Ankit

Q39. Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some fruits are sweet.

All sweet are sour.

Conclusions:

I. Some fruits are sour.

II. Some sweet are not fruit.

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

Q40. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 38, 43, 48

Second row- 76, 81, 86

Third row- 69, 74, ?

(a) 70
(b) 84
(c) 75
(d) 79

SESSION 2

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Q41. The thickness of a wrestling mat should be between _____ centimetres.

(a) 7 and 9
(b) 9 and 11
(c) 3 and 5
(d) 5 and 7

Q42. Which monument of Khilji dynasty in Delhi has the utilization of red sandstone?

(a) Victoria memorial
(b) Alai Darwaza
(c) Charminar
(d) Moti Masjid

Q43. Money multiplier uses which of the following monetary instruments for its calculation?

(a) Bank rate
(b) Reverse repo rate
(c) Cash reserve ratio
(d) Repo rate

Q44. Gangubai Hangal was an Indian singer of the Khayal genre of Hindustani classical music from _____, who was known for her deep and powerful voice.

(a) Kerala
(b) Karnataka
(c) Tamil Nadu
(d) Andhra Pradesh

Q45. What happened in Bengal, India, in 1770 that resulted in the death of one-third of the population?

(a) Chemical explosion
(b) Massacre
(c) Famine
(d) Slavery

Q46. Which of the following is NOT an example of Inflammable substances?

(a) LPG
(b) Petrol
(c) Glass
(d) Alcohol

Q47. A Money Bill should be returned to the Lok Sabha within _____ days by Rajya Sabha, either with recommendations or without recommendations.

(a) 14
(b) 21
(c) 10
(d) 8

Q48. According to census 2011, the only Indian state having negative decadal population growth rate between 2001-11 is _____.

(a) Goa
(b) Uttarakhand
(c) Sikkim
(d) Nagaland

Q49. The strong gravitational pull exerted by the _____ on the earth's surface causes the tides.

(a) Sun and moon only
(b) Moon only
(c) Sun, moon and other planets

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(d) Sun only

Q50. Which of the following is one of the notable works of Vikram Seth?

(a) A Suitable Boy
(b) Show Business
(c) Ancient India
(d) The Glass Palace

Q51. Kharchi Pooja of Tripura is a Hindu festival where ____ Hindu Gods are worshiped, including the Earth.

(a) 5
(b) 14
(c) 8
(d) 12

Q52. The growing voice box in boys can be seen as a protruding part of the throat called _____.

(a) Adam's apple
(b) Gullet
(c) Corn
(d) Adrenalin

Q53. Who was the founder of the Widow Remarriage Association (1861)?

(a) AtmaRam Pandurang
(b) Raja Rammohan Roy
(c) R.G. Bhandarkar
(d) Mahadev Govind Ranade

Q54. The members of _____ are commonly called red algae.

(a) chlorophyceae
(b) poaceae
(c) phaeophyceae
(d) rhodophyceae

Q55. Which of the following is NOT an example of “agro based industries"?

(a) Vegetable oil industry
(b) Iron and steel industry
(c) Cotton textile industry
(d) Leather industry

Q56. Who is noted as a pristine Indian Classical Dancer to perform at Salzburg Festival in 2015?

(a) Tanjore Balasaraswati
(b) Alarmel Valli
(c) V. Satyanarayana Sarma
(d) Kumari Kamala

Q57. The National Anti-Doping Bill, 2021 targets _____ sector of India.

(a) Military
(b) Finance
(c) Sport
(d) Agriculture

Q58. Which among the following dance forms does NOT belong to Chhattisgarh?

(a) Raut Nacha
(b) Panthi
(c) Gendi
(d) Kajari

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Q59. In which of the following articles, “Laws inconsistent with or in derogation of the fundamental rights” is mentioned?

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

Q60. Who launched Pradhan Mantri Bhartiya Jan Urvarak Pariyojana-One Nation One Fertiliser in October 2022?

(a) Smriti Irani
(b) Amit Shah
(c) Narendra Singh Tomar
(d) Narendra Modi

Q61. Article 23-24 of the Indian Constitution deals with which of the following fundamental rights?

(a) Right to Equality
(b) Right to Freedom
(c) Right against Exploitation
(d) Right to Constitutional Remedies

Q62. After years of wandering Babur seized Kabul in _____.

(a) 1504
(b) 1501
(c) 1502
(d) 1503

Q63. Who among the following won the FIFA U-17 Women’s World Cup 2022?

(a) New Zealand
(b) Spain
(c) Colombia
(d) Japan

Q64. The Almatti Dam of Karnataka is built over which of the following rivers?

(a) Krishna
(b) Periyar
(c) Kaveri
(d) Sutlej

Q65. Who among the following succeeded the throne of the Mauryan Empire after the death of Chandragupta Maurya?

(a) Dasharatha
(b) Ashoka
(c) Bindusara
(d) Chandragupta - II

Q66. Direction: Choose the word that is opposite in meaning to the given word.

Desert

(a) Populate
(b) Bereft
(c) Forlorn
(d) Migrate

Q67. Direction: In the following question, out of the given four alternatives, select the one that best expresses the meaning of the idiom or phrase.

A blessing in disguise

(a) To have a dispute with someone
(b) Hear a good news after a long time
(c) A misfortune that unexpectedly turns into good fortune

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(d) To go from being very poor to being very wealthy

Q68. Direction: Select the most appropriate synonym to substitute the bracketed word in the given sentence.

It broke Eleanora's heart to see her daughter become that (wraith) of her former self.

(a) Wail
(b) Being
(c) Spirit
(d) Yore

Q69. Direction: Select the most appropriate meaning of the bracketed idiom in the given sentence.

Those were remarks made (in the heat of the moment).

(a) At time when you cannot think carefully
(b) To be dismissed from your job
(c) To exert all efforts
(d) To present a counter argument

Q70. Direction: Select the most appropriate word for the given group of words.

Quiet and peaceful

(a) Introvert
(b) Inundate
(c) Incessant
(d) Tranquil

Q71. Direction: Select the most appropriate synonym of the given word.

Enervate

(a) Invigorate
(b) Devitalize
(c) Boost
(d) Arouse

Q72. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Ram ran back to the / window to see the bars dangling / a few feet before the ground.

(a) window to see the bars dangling
(b) Ram ran back to the
(c) No error
(d) a few feet before the ground.

Q73. Direction: Select the most appropriate option to fill in the blank.

Computers would replace the _____ technique of creating an image on paper, transferring it to cells and again onto film.

(a) austere
(b) audacious
(c) assuage
(d) archaic

Q74. Direction: Select the most appropriate option to fill in the blank.

Her notoriety increased after she single- _____ shot down a Rhodesian army helicopter.

(a) plainly
(b) dose
(c) handedly
(d) stranded

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Q75. Direction: Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.

(Because he has been in custody from last July,) Pickard will now be released in four months.

(a) Because he had been in custody from last July,
(b) Because he had been under custody from last July,
(c) No substitution required
(d) Because he has been in custody since last July,

Q76. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Drive two blocks and turn right at the traffic lights.

(a) turns right at
(b) No improvement
(c) turn rightly at
(d) turn right in

Q77. Direction: Select the most appropriate option to fill in the blank.

There's plenty here to trap the unwary and baffle even the _____ gambler!

(a) reiterate
(b) alliterate
(c) inveterate
(d) exenterate

Q78. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I am thirty-two years old, and my sister are fifteen.

(a) my sister are fifteen.
(b) I am thirty-two
(c) years old and
(d) No error

Q79. Direction: Choose the word that can substitute for the given group of words.

A person holding conversational belief especially in matter of religion

(a) Arsonist
(b) Orthodox
(c) Compere
(d) Prudent

Q80. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'

An appeasement policies / was all but a sham to misdirect / the local groups.

(a) No error
(b) the local groups.
(c) An appeasement policies
(d) was all but a sham to misdirect

Q81. Direction: Select the most appropriate option to fill in the blank.

Since these people used tobacco to _____ their deities, the herb itself was one of the instruments of godless, false religions.

(a) trace
(b) militate
(c) propitiate
(d) expatiate

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Q82. Direction: Select the correctly spelt word.

(a) Aposire
(b) Aposite
(c) Apposite
(d) Apositte

Q83. Direction: Select the wrongly spelt word.

(a) Unshielded
(b) Activity
(c) Inactivity
(d) Protesion

Q84. Direction: Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Direction: Select the option 'no correction required' if the sentence is correct as given.

The dessert was not just extremely hot but (also to sweet as well).

(a) No correction required
(b) also being too sweet.
(c) besides too sweet as well.
(d) also too sweet.

Q85. Direction: Select the most appropriate antonym to substitute the bracketed word in the given sentence.

She ventured to go back to the tree of the (tryst), the mulberry with the shining fruit.

(a) Rendezvous
(b) Separation
(c) Date
(d) Engagement

Directions

Direction: In the following passage, some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

You may wonder if anyone would ____ (1) __ to be diagnosed before they are even aware they have Alzheimer's __ (2) ___? A recent survey shows that, indeed, they would. __ (3) __ three-quarters of the respondents said they would want __ (4) __ if they had Alzheimer’s disease, even if they were not yet experiencing __ (5) ____.

Q86. Select the most appropriate option to fill in blank number 1.

(a) want
(b) got
(c) drop
(d) surrender

Q87. Select the most appropriate option to fill in blank number 2.

(a) bug
(b) contamination
(c) disease
(d) health

Q88. Select the most appropriate option to fill in blank number 3.

(a) Casually
(b) Nearly
(c) Firmly
(d) Totally

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Q89. Select the most appropriate option to fill in blank number 4.

(a) knows
(b) knowing
(c) to know
(d) known

Q90. Select the most appropriate option to fill in blank number 5.

(a) marks
(b) symptoms
(c) indexes
(d) evidences

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

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