SSC MTS (2022) Official Paper (Held On: 19 Jun, 2023 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 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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SESSION 1

Q1. The curved surface area of a cylinder is 968 cm². If the height of the cylinder is 11 cm, then what will be the diameter of its base?

(a) 26 cm
(b) 22 cm
(c) 28 cm
(d) 24 cm

Q2. A train starts moving from a place A at 10:00 a.m. and arrives at another place B at 5:30 p.m. on the same day. If the speed of the train is 80 km/hr, then what will be the distance covered by the train?

(a) 600 km
(b) 550 km
(c) 650 km
(d) 450 km

Q3. A man earns a profit of 35 percent by selling a chair for a certain price. If he sells that chair at double the price, then what will be the profit percentage?

(a) 170 percent
(b) 70 percent
(c) 180 percent
(d) 150 percent

Q4. The current population of the town is 68,000. The population increases by 10 percent in the first year and decreases by 5% in the second year. Find the population after 2 years.

(a) 71,060
(b) 68,500
(c) 69,000
(d) 70,100

Q5. Ramesh runs at the speed of 234 kmph. How many metres does he run in ten minutes?

(a) 35468 m
(b) 39000 m
(c) 37560 m
(d) 36000 m

Q6. The difference between compound interest and simple interest on a sum at 20% per annum for two years is Rs. 420. Find the sum (in Rs.).

(a) Rs. 8000
(b) Rs. 10500
(c) Rs. 9000
(d) Rs. 11000

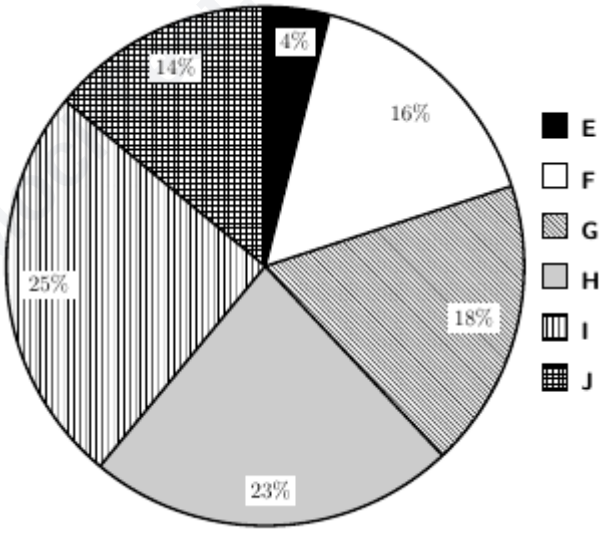
Q7. The ratio of speed of three racers is 5 : 2 : 1. What is the respective ratio of time taken by the three racers to cover the same distance?

(a) 2 : 5 : 10
(b) 2 : 5 : 8
(c) 5 : 2 : 10
(d) 2 : 5 : 3

Q8. Average age of 14 teachers is 56 years. After involving a new teacher in that group, the average rises by 2 years. What is the age of the new teacher?

(a) 86 years
(b) 72 years
(c) 84 years
(d) 78 years

Q9. The pie chart given below shows the number of students studying in six schools. Total timber of students studying in all these six schools are 4000. Number of students studying in a particular school is shown as a percentage of total number of students studying in all these six schools.



What is the difference between the central angle formed by sectors F and H together and the central angle formed by sectors I and G together?

(a) 9.6 degree
(b) 14.4 degree
(c) 17.4 degree
(d) 18.7 degree

Q10. An item is sold for Rs. 1440 after two successive discounts of 25 percent and 4 percent. What is the marked price of the article?

(a) Rs. 2000
(b) Rs. 2500
(c) Rs. 2100
(d) Rs. 2200

Q11. Simplify: 44 + 67 - 32 ÷ 4 + (9 + 5 + 5 + 4) - 1

(a) 130
(b) 125
(c) 122
(d) 123

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Q12. The given table shows the number of boys and girls in the schools. Which school has minimum number of students?

School	Numbers of boys	Numbers of girls
1	44	56
2	34	45
3	47	34
4	65	54
5	45	32

(a) 2
(b) 3
(c) 5
(d) 1

Q13. If (7x + y) : (7x - y) = 7 : 2, then what is the value of x : y?

(a) 9 : 35
(b) 11 : 42
(c) 6 : 41
(d) 17 : 52

Q14. If 3 boys and 8 girls can do a work in 6 days, and 1 boy and 5 girls can finish the same in 12 days, find the ratio of efficiencies of a boy and a girl.

(a) 2 : 1
(b) 1 : 5
(c) 2 : 5
(d) 3 : 2

Q15. Solve: (64 ÷ 8) - 5 + 4 × 23 + 45 - 87

(a) 53
(b) 51
(c) 54
(d) 52

Q16. The sum of the two numbers is 400. If the bigger number is decreased by 16% and the smaller number is increased by 16%, then the numbers obtained are equal. Find the smaller number.

(a) 168
(b) 152
(c) 144
(d) 170

Q17. What is the Highest Common Factor of 4/55, 2/11 and 8/22?

(a) 1/66
(b) 3/88
(c) 2/55
(d) 1/55

Q18. Ravi drives 200 km from Dungarpur to Udaipur. His average speed is 50 kmph. He leaves Dungarpur at 8:20 a.m. By what time he will reach Udaipur?

(a) 1:00 p.m.
(b) 12:20 p.m.
(c) 10 a.m.
(d) 11:30 a.m.

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Q19. By selling 100 notebooks, a shopkeeper gains the selling price of 20 notebooks. What is his gain percentage?

(a) 62.4%
(b) 22.5%
(c) 50.4%
(d) 25%

Q20. What is the value of 343/49 × 45/9 of 27/15 × 256/64 ?

(a) 252
(b) 262
(c) 142
(d) 192

Q21. Which two signs should be interchanged to make the given equation correct?

9 ÷ 3 + 7 = 4 - 6

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

Q22. In a certain code language, 'JOURNEY' is written as 'EJNORUY'. How will 'MEDICAL' be written in that language?

(a) ACDIELM
(b) ACDEILM
(c) ADCLEMI
(d) ADCLIEM

Q23. Which of the following letter cluster will replace the question mark (?) in the given series?

SE, VI, YM, BQ, EU, ?

(a) HY
(b) JY
(c) GY
(d) HX

Q24. Select the option that is related to the third word in the same way as the second word is related to the first word.

Marry : Divorce :: Native : ?

(a) Hometown
(b) Foreign
(c) Country
(d) Indoor

Q25. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 7, 9, 63

Second row- 6, 8, 48

Third row- 5, 7, ?

(a) 28
(b) 35
(c) 42
(d) 49

Q26. 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 cars are fast.

Some fast are slow.

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Conclusions:

I. Some cars are not slow.

II. Some slow are fast.

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

Q27. Ram, Shyam, Pankaj, Tilak and Gaurav are sitting in a straight line facing south. Tilak and Gaurav are sitting at the ends, Ram is sitting to the immediate left of Gaurav and to the immediate right of Pankaj. Who is sitting to the immediate right of Tilak?

(a) Shyam
(b) Pankaj
(c) Ram
(d) Gaurav

Q28. In a certain code language, 'JACKET' is written as 'EAKCTJ'. How will 'BLAZER' be written in that language?

(a) ELRABZ
(b) EZLARB
(c) ELZARB
(d) ELZRAB

Q29. 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 latter cluster.

GR : KV :: DL : ?

(a) HQ
(b) GP
(c) HS
(d) HP

Q30. In the following question, select the missing number of the given series.

0, 22, 44, 66, ?, 110

(a) 88
(b) 99
(c) 94
(d) 90

Q31. Priti, Rani, Sriti, Tania, Urusha and Vidhi are sitting in a circle facing the centre. Vidhi is sitting second to the left of Sriti, and is in between Tania and Urusha. Sriti is not a neighbor to Rani or Tania. Who is sitting to the immediate right of Priti?

(a) Vidhi
(b) Tania
(c) Sriti
(d) Rani

Q32. By Interchanging the given two numbers which of the following equation will be not correct?

9 and 7

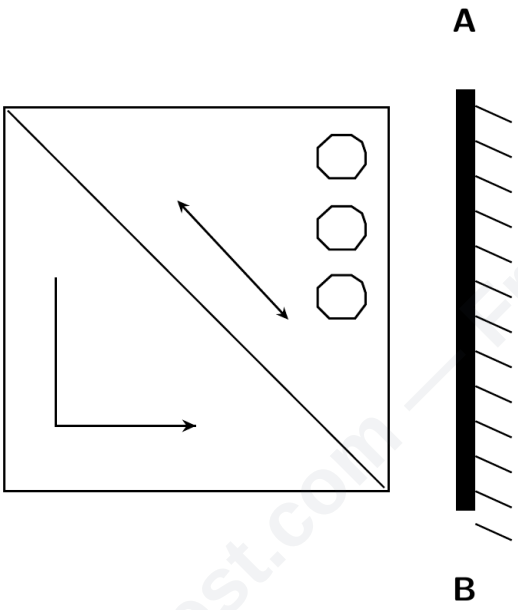
I. $7 \times 3 - 8 \div 4 + 9 = 32$

II. $7 - 9 \times 2 + 6 \div 3 = -3$

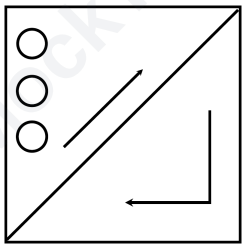
(a) Only II
(b) Neither I nor II
(c) Both I and II
(d) Only I

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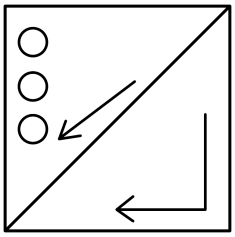
Q33. select the correct mirror image of the given figure when the mirror is placed at AB as shown below.



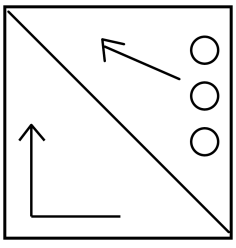
(a)



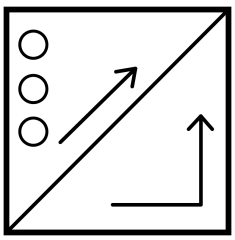
(b)



(c)



(d)



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Q34. Seven people K, B, M, C, R, P and S have different heights. C is taller than K. B is shorter than M. P is shorter than M and B. C is not taller than P. S is not taller than K. M is shorter than only one person. Who is the shortest?

(a) K
(b) S
(c) P
(d) B

Q35. Which of the following numbers will replace the question mark (?) in the given series?

64, 32, 96, 48, 144, 72, 216, ?

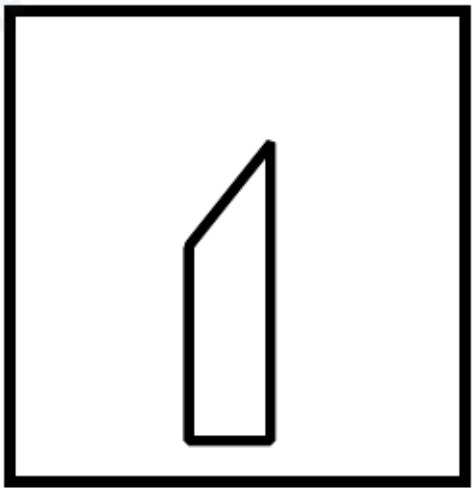
(a) 108
(b) 104
(c) 112
(d) 114

Q36. 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 fourth number is related to third number.

4 : 25 :: 6 : 49 :: 8 : ?

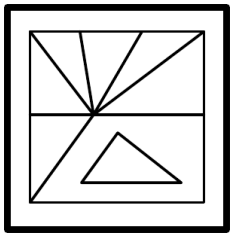
(a) 80
(b) 82
(c) 85
(d) 81

Q37. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



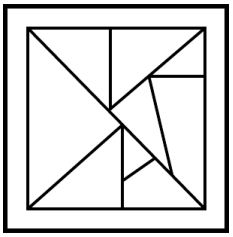
x

(a)

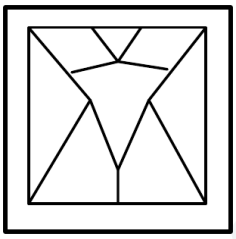


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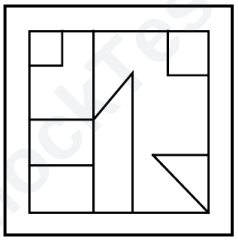
(b)



(c)



(d)



Q38. 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:

Some towels are bright.

Some bright are shiny.

All shiny are little.

Conclusions:

I. Some little are shiny.

II. Some little are bright.

(a) Only conclusion I follows

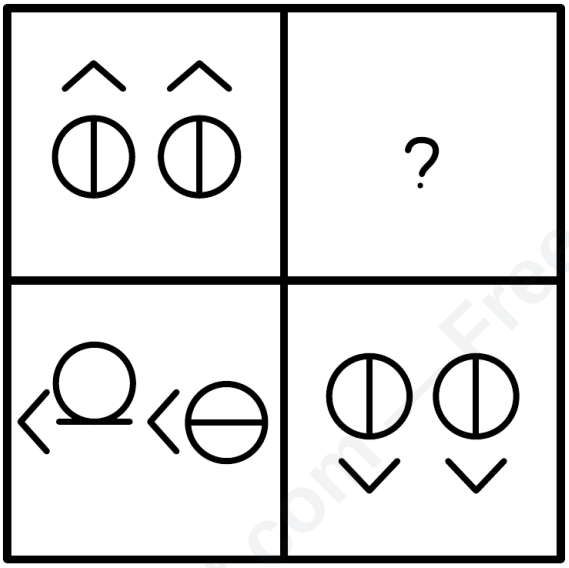
(b) Neither conclusion I nor II follows

(c) Only conclusion II follows

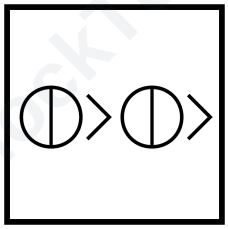
(d) Both conclusions I and II follow

Q39. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

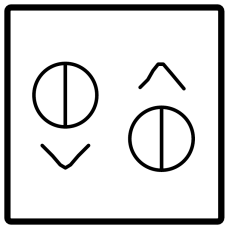
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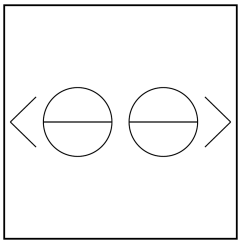
(a)



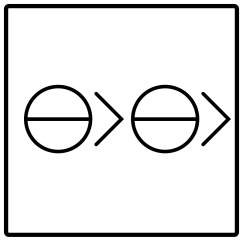
(b)



(c)



(d)



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Q40. In a certain code language, 'BMWO' is coded as '2546', 'WANB' is coded as '6751', 'MOST' is coded as '8249'. What is the code for 'M' in that code language?

(a) 5
(b) 6
(c) 2
(d) 7

SESSION 2

Q41. The process of conversion of sugar into alcohol is known as _____.

(a) Denudation
(b) Fragmentation
(c) Fermentation
(d) Infiltration

Q42. Sterility is caused due to the deficiency of which of the following Vitamins?

(a) D
(b) E
(c) K
(d) B1

Q43. In pre-independent India, who was the first person to discuss the concept of poverty line?

(a) M. K. Gandhi
(b) Mahadev Govind Ranade
(c) B. R. Ambedkar
(d) Dadabhai Naoroji

Q44. Which among the following folk dances is associated with Rajasthan?

(a) Rouf
(b) Bihu
(c) Lavani
(d) Kalbelia

Q45. Which among the following states hosted the Track Asia Cup 2022 Cycling Tournament?

(a) Maharashtra
(b) Karnataka
(c) Kerala
(d) West Bengal

Q46. The concept of "Republic" in the Indian Constitution was borrowed from the constitution of which of the following countries?

(a) Germany
(b) France
(c) Australia
(d) Japan

Q47. Ustaad Amjad Ali Khan is associated with which of the following musical instruments?

(a) Saarangi
(b) Sitar
(c) Sarod
(d) Veena

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Q48. Where was the first underground railway started in India?

(a) Kolkata
(b) Mumbai
(c) Chennai
(d) Pune

Q49. The state government of _____ launched the Technology Transfer Scheme in November 2022.

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

Q50. In which year was All-India Muslim League formed?

(a) 1885
(b) 1911
(c) 1906
(d) 1920

Q51. Nadir Shah, ruler of Iran plundered the city of Delhi in _____.

(a) 1739
(b) 1771
(c) 1748
(d) 1761

Q52. Which among the following is an autobiography of Michelle Obama?

(a) Me
(b) Becoming
(c) Our House is on Fire
(d) My Life

Q53. Which of the following is NOT a family in classification of Modern Indian Languages?

(a) Indo - European
(b) Sino - Tibetan
(c) Indo - African
(d) Dravidian

Q54. The Brihadisvara temple at Tanjavur was constructed by _____.

(a) Rajaraja I
(b) Rajendra I
(c) Vijayalaya
(d) Aditya I

Q55. How many members in “Council of States” can be nominated by President of India?

(a) 9
(b) 15
(c) 12
(d) 6

Q56. Asian Games 2022 held in which country?

(a) India
(b) China
(c) Japan
(d) Singapore

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Q57. Subsidiary Alliance was a system devised by _____ in 1798

(a) Lord Wellesley
(b) Lord Bentinck
(c) Lord Dalhousie
(d) Lord Hastings

Q58. The amount of water recommended by the United Nations for drinking, washing, cooking and maintaining proper hygience is minimum of _____ litres per person per day.

(a) 50
(b) 60
(c) 40
(d) 70

Q59. Materials that allow electric current to pass through them are called _____.

(a) insulators
(b) alternator
(c) conductors
(d) capacitor

Q60. What is the upper age limit for appointment as a judge of High court as of October 2022?

(a) 62 years
(b) 57 years
(c) 55 years
(d) 60 years

Q61. Who among the following was the student of 'Pandit Birju Maharaj' and received ‘Padma Shri’ in the year 1992 and 'Sangeet Natak Akademi Award' in the year 1999-2000?

(a) Kalamandalam Kalyanikutty Amma
(b) Mrinalini Sarabhai
(c) Yamini Krishnamurthy
(d) Shovana Narayan

Q62. which Indian state does not share border with Bangladesh as of 2022?

(a) Meghalaya
(b) Bihar
(c) West Bengal
(d) Mizoram

Q63. Which among the following festivals is celebrated in Kerala?

(a) Bonalu
(b) Baisakhi
(c) Vishu
(d) Ambubachi

Q64. _____ is the place of confluence for river Alaknanda and Dhauliganga.

(a) Nandaprayag
(b) Karnaprayag
(c) Vishnuprayag
(d) Rudraprayag

Q65. _____ refers to sale and purchase of government securities by RBI in the open market with the aim of influencing liquidity in the economy in the medium term.

(a) Marginal Standing Facility
(b) Credit Ceiling
(c) Open Market Operations

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(d) Liquidity Adjustment Facility

Q66. Direction: Select the most appropriate meaning of the bracketed idiom in the given sentence.
Let the bully have (a taste of his own medicine).
(a) A dangerous person pretending harmless
(b) A result that is still unclear and can go either way
(c) When you are mistreated the same way you mistreat others
(d) A visual presentation is far more descriptive than words

Q67. Direction: Select the most appropriate word for the given group of words.
A place where snakes are kept
(a) Apiary
(b) Hive
(c) Aviary
(d) Serpentarium

Q68. Direction: Select the most appropriate antonym of the given word.
Misdemeanour
(a) Offence
(b) Amalgamation
(c) Obedience
(d) Gullible

Q69. Direction: Select the most appropriate option to fill in the blank.
Different cells express different proteins depending on which promoters are either active or _____.
(a) dormant
(b) effectual
(c) productive
(d) lazy

Q70. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'
In practice rounds, my caddie, Greg, / and me works on my short / game with a baseball glove.
(a) and me works on my short
(b) No error
(c) game with a baseball glove.
(d) In practice rounds, my caddie, Greg,

Q71. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'
None of them, apart from Rohan / and Shilpa, had heard Mohan talk / about what happens that night.
(a) No error
(b) and Shilpa, had heard Mohan talk
(c) None of them, apart from Rohan
(d) about what happens that night.

Q72. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error.'
Disease-carrying parasites is not picky about hosts.
(a) about hosts.
(b) Disease-carrying parasites
(c) No error
(d) is not picky

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Q73. Direction: Choose the word that means the same as the given word.

Assail

(a) Perform
(b) Systematic
(c) Attack
(d) shield

Q74. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

I like to hang my laundry outside in the suns to dry.

(a) No improvement
(b) sun to dried
(c) sun to dries
(d) sun to dry

Q75. Direction: Select the most appropriate option to fill in the blank.

I think he is a worthy _____ of the policy and a worthy adversary for the press.

(a) reciprocate
(b) placate
(c) educate
(d) advocate

Q76. Direction: Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

He looked around for Bunty or Vinay, (but either off) them was anywhere near him.

(a) No correction required
(b) moreover neither of
(c) because either of
(d) but neither of

Q77. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

These were two Indian men who _____ hiding in the forest.

(a) was
(b) has been
(c) had been
(d) have being

Q78. Direction: Select the most appropriate synonym of the given word.

Disdain

(a) Contempt
(b) Acceptance
(c) Admiration
(d) Withdraw

Q79. Direction: Select the most appropriate meaning of the given idiom.

A broth of a boy

(a) Not attached to someone
(b) To have specific food choices
(c) To behave foolishly
(d) A lively, energetic young person

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Q80. Direction: Select the most appropriate antonym to substitute the bracketed word in the given sentence.

There is an unhealthy tendency to (subjugate) films to the dictates of raising public awareness.

(a) Colonize
(b) Modest
(c) Vanquish
(d) Liberate

Q81. Direction: Select the correctly spelt word.

(a) Porpos
(b) Propuse
(c) Purpose
(d) Purpos

Q82. Direction: Select the most appropriate option to fill in the blank.

At times he acted as viceroy in William's absence; at times he led the royal forces to _____ rebellions.

(a) scrutinize
(b) chastise
(c) compromise
(d) baptise

Q83. Direction: Choose the sentence with no spelling error.

(a) I am willing to consider the possibility
(b) I am willing to considerr the possibility
(c) I am wiling to consider the posibility
(d) I am willing to consider the posibility.

Q84. Direction: Select the most appropriate word for the given group of words.

Killing of one person by another

(a) Homicide
(b) Fratricide
(c) Genocide
(d) Filicide

Q85. Direction: Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

It was a (easement to be far away) from that malicious old labyrinth with its stares and gossip.

(a) help to be away
(b) relief to be away
(c) No correction required
(d) rest to be far

Directions

Direction: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

English Ivy ____ (1) __ its poor reputation as a nuisance by its unparalleled ability to provide shade. By seamlessly covering the exterior of a building, it works as a natural __ (2) __, blocking the sun and decreasing air conditioning costs. This means big savings for both building tenants and homeowners __ (3) __. And it can happen quickly, too. Under the proper conditions, established English Ivy can grow to cover __ (4) __ of roughly 500 square feet per year. Given that most homes have a roof measuring roughly 2000 square feet, ivy-friendly homeowners can rest assured that their roofs will be __ (5) ____ covered in about four years.

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

(a) portrays
(b) follows
(c) betrays

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(d) punishes

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

(a) modulator
(b) postulator
(c) insulator
(d) regulator

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

(a) unlike
(b) likely
(c) dislike
(d) alike

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

(a) a lake
(b) an area
(c) a surface
(d) a wall

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

(a) obsoletely
(b) completely
(c) incompletely
(d) repletely

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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