SSC MTS (2022) Official Paper (Held On: 09 May 2023 Shift 1) (Previous Year Paper)

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

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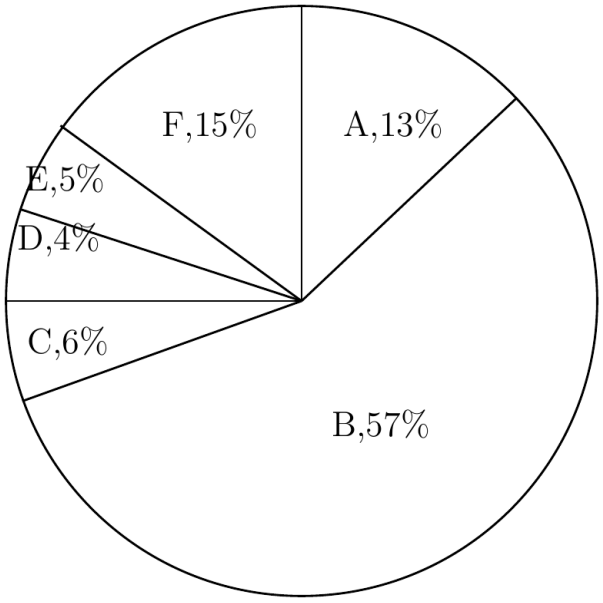
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SESSION 1

Q1. The marked price of an article is 160 percent of the cost price. If 20 percent discount is given, then what will be the profit percentage?

(a) 28 percent
(b) 25 percent
(c) 22 percent
(d) 32 percent

Q2. The pie chart given below shows the number of mobile phones sold by six companies in a year. The total mobile phones sold by six companies are 500. Number of mobile phones sold by a particular company is shown as a percentage of total number of mobile phones sold by all these six companies.



What is the ratio of number of mobile phones sold by C to number of mobile phones sold by F?

(a) 2 : 7
(b) 5 : 2
(c) 3 : 2
(d) 2 : 5

Q3. The Largest possible sphere is carved from a cube of side 6 cm. What is the volume of the sphere?

(a) 792/7 cm^3
(b) 144/7 cm^3
(c) 133/3 cm^3
(d) 444/7 cm^3

Q4. Working 15 hours a day, Vaibhav can complete a piece of work in 35 days. How many hours a day should he work so as finish the work in 25 days?

(a) 21 hours
(b) 20 hours
(c) 18 hours
(d) 17 hours

Q5. Find the value of $62.5 \times 2 + 1100 - (16)^2 + (30)^2$:

(a) 1445
(b) 1869
(c) 1666
(d) 1900

Q6. The following table shows the number of units of a product manufactured and sold by a company in 5 years. Calculate the total number of unsold products.

Years	Number of units manufactured (in hundred)	Sold (in hundred)
2018	440	350
2019	500	450
2020	320	300
2021	450	400
2022	290	200

(a) 30,000
(b) 40,000
(c) 50,000
(d) 20,000

Q7. The average age of 15 members of a committee is increased by 4 years when two members whose ages are 60 years and 70 years are replaced by the two new members. What is the average age of the new members?

(a) 105 years
(b) 80 years
(c) 85 years
(d) 95 years

Q8. The ratio of ages of two students is 5 : 4. The difference between their ages is 8 years. What is the age of the younger student?

(a) 24 years
(b) 32 years
(c) 40 years
(d) 48 years

Q9. What is the compound interest on Rs. 10000 in 1 year 6 month at 10% per annum, the interest being compounded half yearly?

(a) Rs. 1625.50
(b) Rs. 1576.25
(c) Rs. 1826.50
(d) Rs. 1422.25

Q10. If A can do a work in 21 days and B can do the same work in 28 days. In how many days will they complete the work if they work on alternate days?

(a) 22 days
(b) 28 days

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(c) 20 days
(d) 24 days

Q11. On certain sum, the simple interest for 2 years is Rs. 12000. If the sum is Rs. 12000, then what will be the compound interest (compounding annually) on the same sum at the same rate of interest for the first 3 years?
(a) Rs. 29250
(b) Rs. 29300
(c) Rs. 28500
(d) Rs. 22750

Q12. The average of five consecutive odd numbers is 15. What is the smallest of these five numbers?
(a) 11
(b) 13
(c) 15
(d) 9

Q13. What is that greatest four-digit number which when divided by 3 and 4 leaves remainder 2 in each case?
(a) 9994
(b) 9996
(c) 9998
(d) 9995

Q14. A number is first increased by 12% and then decreased by 12%. The change in number is:
(a) 1.44% increase
(b) 12% increase
(c) 12% decrease
(d) 1.44% decrease

Q15. A person bought an article and sold it at a loss of 10 percent. If he had boughs it for 30 percent less price and sold it for Rs. 90 more, then he would earn a profit of 35 percent. What is the cost price of the article?
(a) Rs. 2400
(b) Rs. 2000
(c) Rs. 2100
(d) Rs. 2200

Q16. If p : q : r = 2 : 5 : 3 and r : s = 6 : 5, then what is the value of p : q : r : s?
(a) 4 : 12 : 7 : 3
(b) 4 : 10 : 6 : 5
(c) 6 : 5 : 8 : 10
(d) 8 : 12 : 7 : 8

Q17. What is the smallest integer that is divisible by 12, 22 and 32?
(a) 1056
(b) 1080
(c) 1144
(d) 444

Q18. Find the area of the rhombus whose diagonals are 16 cm and 20 cm.
(a) 110 cm^2
(b) 150 cm^2
(c) 160 cm^2
(d) 120 cm^2

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Q19. A train moves at a speed of 30 m/s and crosses a bridge of length 650 metres in 50 seconds. What is the length of the train?

(a) 1000 metres
(b) 900 metres
(c) 850 metres
(d) 750 metres

Q20. Asha bought a saree for Rs. 4000 and sold it for Rs. 4400. Her profit percent is:

(a) 5%
(b) 80%
(c) 10%
(d) 40%

Q21. Reena. Meena. Tina, Leena, and Neena are sitting in a straight line facing south. Tina is sitting to the immediate right of Reena. Only Neena is sitting between Reena and Leena. Tina is not sitting in the end. Who is sitting to the immediate left of Neena?

(a) Tina
(b) Reena
(c) Meena
(d) Leena

Q22. 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,

DAK : FCM :: PVH : ?

(a) RJZ
(b) SXJ
(c) RXJ
(d) RXI

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

AGM, CEO, ECQ, GAS, ?

(a) IYU
(b) IUY
(c) JZS
(d) YUI

Q24. 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 students are good

Rachel is a student.

Some good are honest.

Conclusions:

I. Rachel is honest

II. Some honest are good

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

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Q25. Five people P, Q, T, V and R are sitting in a circle facing away from the centre. P is to the immediate right of V, T is in between V and R. Who is sitting to the immediate left of R?

(a) P
(b) V
(c) T
(d) Q

Q26. Which two signs should be interchanged to make the given equation correct?

12 + 4 ÷ 2 - 6 = 16

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

Q27. Select the option that is related to the third word in the same way as the second word is related to the first word.

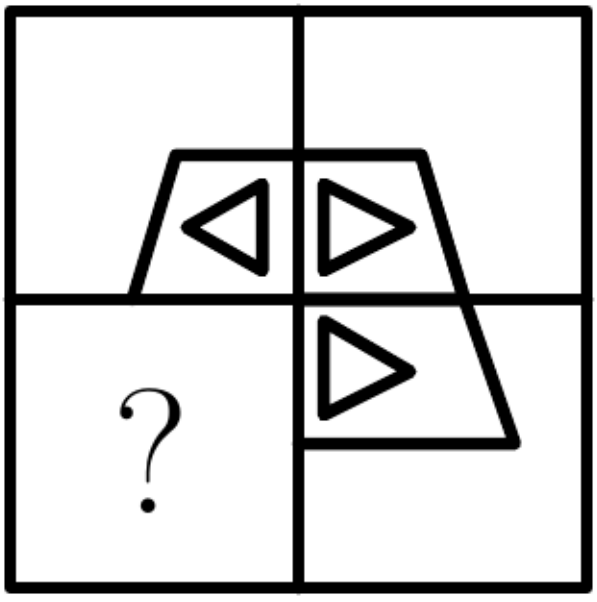
Haughty : Arrogant :: Ominous : ?

(a) Soothing
(b) Peaceful
(c) Threatening
(d) Calm

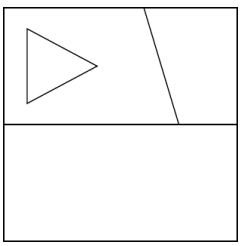
Q28. In a certain code language, 'ABSENCE' is written as 'ASBECNE'. How will 'EXACTLY' be written in that language?

(a) EAXCLYT
(b) EXACTLY
(c) EAXTCLY
(d) EAXCLTY

Q29. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

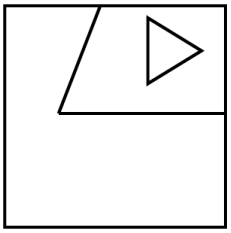


(a)

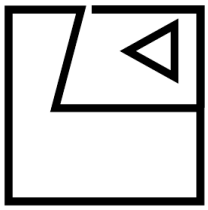


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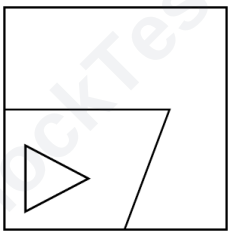
(b)



(c)



(d)



Q30. 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 gold are silver.

All gold are platinum.

Conclusions:

I. Some silver are platinum.

II. All platinum are gold.

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

Q31. In a certain code language, ‘FELLOW’ is coded as 'FDNLNY'. What is the code for ‘GOLDEN' in that code language?

(a) GNNEDQ
(b) DNNDDQ
(c) GNNDDP
(d) GNNDEP

Q32. Seven brothers P, Q, R, S, T, U, and V were born in different years. S is younger than only 2 other brothers and neither of them is U. P is older than R but younger than U and S. R is not the youngest. U is younger than Q who is younger than T. Who is the youngest?

(a) T
(b) P
(c) Q
(d) V

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Q33. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 6, 36, 72

Second row- 8, 48, 96

Third row- 9, 54, ?

(a) 105
(b) 108
(c) 231
(d) 130

Q34. Which of the following numbers will replace the question mark (?) in the given series?

69, 80, 89, 96, 101, ?

(a) 104
(b) 102
(c) 105
(d) 106

Q35. Select the option that is related to the third number in the same way as the second number is related to the first number.

289 : 325 :: 361 : ?

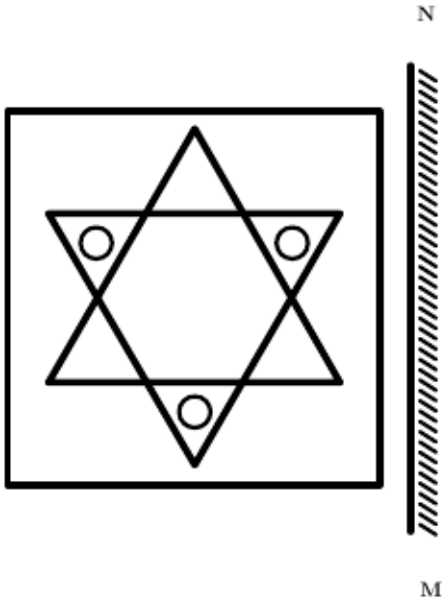
(a) 400
(b) 401
(c) 399
(d) 411

Q36. If A denotes ‘addition’, B denotes 'multiplication'. C denotes ‘subtraction’. and D denotes 'division’, then what will be the value of the following equation?

7 A 5 C (6 D 3) = ?

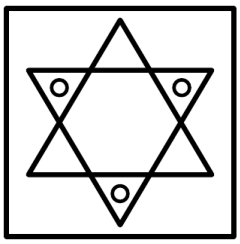
(a) 32
(b) 16
(c) 10
(d) 19

Q37. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

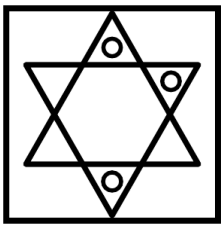


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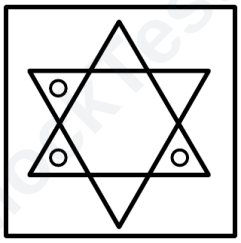
(a)



(b)



(c)



(d)

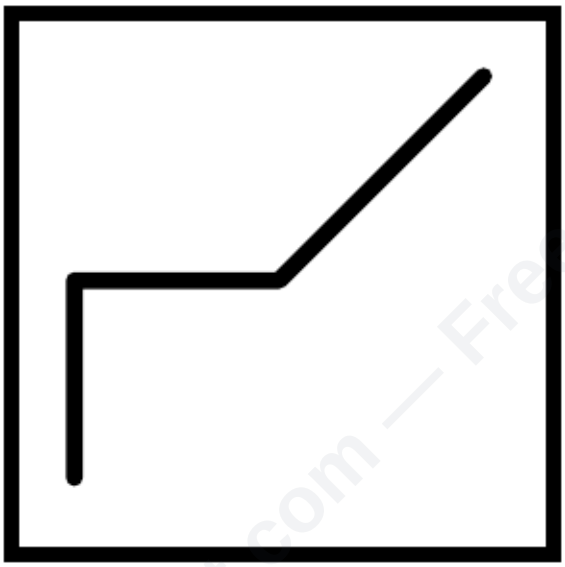


Q38. In a certain code language. 'AJDM' is written as 'JDMA'. How will 'SKWM' be written in that language?

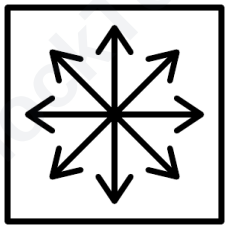
(a) KMMS
(b) KSMW
(c) KWMS
(d) KMWS

Q39. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

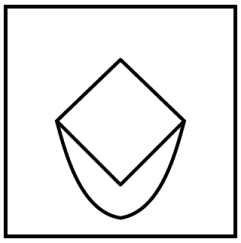
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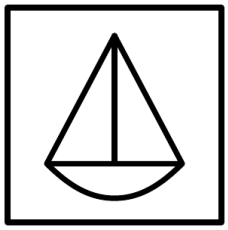
(a)



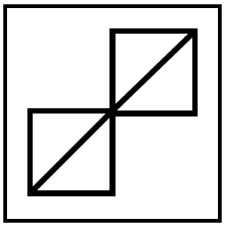
(b)



(c)



(d)



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Q40. Which of the following numbers will replace the question mark (?) in the given series?

57, 54, 52, 49, 47, 44, 42, ?

(a) 40
(b) 27
(c) 39
(d) 47

SESSION 2

Q41. Pradhan Mantri Jan-Dhan Yojana (PMJDY) now has in excess of 472 million accounts. Which state has topped this List ?

(a) Haryana
(b) West Bengal
(c) Maharashtra
(d) Uttar Pradesh

Q42. According to census 2011, which of the following is NOT included in top ten most populous countries?

(a) Pakistan
(b) Japan
(c) Nigeria
(d) Canada

Q43. One of the major hubs of information technology is the Silicon valley which is situated in _____.

(a) Tokyo
(b) London
(c) New york
(d) California

Q44. The presiding officer of the Lok Sabha is called _____.

(a) The Chairman
(b) The Speaker
(c) The Deputy Chairman
(d) The Deputy Speaker

Q45. Which among the following is the coldest of the atmospheric layers?

(a) Mesosphere
(b) Stratosphere
(c) Thermosphere
(d) Troposphere

Q46. Which among the following Acts discarded the 'dyarchy' system at the provincial level and allowed for the emergence of popularly elected provincial legislatures?

(a) Charter Act, 1793
(b) Montague-Chelmsford Reform (Government of India Act), 1919
(c) Government of India Act, 1935
(d) Pitt's India Act, 1784

Q47. According to 2011 Census, which among the following state has the highest population?

(a) Bihar
(b) Tamil Nadu
(c) Uttar Pradesh
(d) Maharashtra

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Q48. Lovlina Borhohain is associated with which sports?

(a) Chess
(b) Table Tennis
(c) Boxing
(d) Swimming

Q49. Who among the following wrote the biography of Jahangir known as Iqbalnama-i Jahangiri?

(a) Mutamid Khan
(b) Inayat Khan
(c) Abdul Rahim Khan
(d) Abul Fazl

Q50. Which of the following dances is a popular folk dance of Maharashtra?

(a) Lavani
(b) Bihu
(c) Jhumar
(d) Gidda

Q51. _____ was founded by Dadoba Pandurang and his brother Atmaram Pandurang in 1867.

(a) Tattvabodhini Sabha
(b) Brahmo Samaj
(c) Arya Samaj
(d) Prarthana Samaj

Q52. What is the major function of a cell wall?

(a) It works as a storage for material
(b) It provides shape and rigidity to the cell
(c) It is responsible for cell division
(d) It helps in synthesis of carbohydrate

Q53. Which article of the constitution of India lays down the uniform civil code?

(a) Article 377
(b) Article 370
(c) Article 44
(d) Article 12

Q54. 'In The Afternoon of Time' is an autobiographical book by _____.

(a) Satyajit Ray
(b) Sam Pitroda
(c) Harivansh Rai Bachchan
(d) PT. Usha

Q55. Which among the following instruments is used for measuring the humidity of the air or a gas?

(a) Bolometer
(b) Hygrometer
(c) Hydrometer
(d) Altimeter

Q56. The Family Courts (Amendment) Bill seeks to extend the application of the Family Courts Act to which of the following states?

(a) Nagaland and Sikkim
(b) Sikkim and Manipur
(c) Himachal Pradesh and Nagaland
(d) Himachal Pradesh and Sikkim

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Q57. Saswati Sen is the proud recipient of the Sangeet Natak Akademi Award for 2004-2005. She is recognized for which dance form?

(a) Kathak
(b) Kuchipudi
(c) Manipuri
(d) Mohiniyattam

Q58. Jim Corbett National Park is in which state of India?

(a) Punjab
(b) Himachal Pradesh
(c) Uttarakhand
(d) Uttar Pradesh

Q59. _____ is used for the separation of components of a mixture containing two miscible liquids that boil without decomposition and have sufficient difference in their boiling points.

(a) Carbonation
(b) Distillation
(c) Sublimation
(d) Emulsification

Q60. Late Jagjit Singh was a popular composer and a _____ singer.

(a) Opera
(b) Ghazal
(c) Rock
(d) Pop

Q61. Magha Saaji is celebrated as Makar Sankranti in which of the following states?

(a) Madhya Pradesh
(b) Gujarat
(c) Himachal Pradesh
(d) Goa

Q62. Myanmar doesn't share its boundary with which of the following states?

(a) Nagaland
(b) Manipur
(c) Sikkim
(d) Mizoram

Q63. The number of times a unit of money changes hands during the unit period is called the _____

(a) velocity of circulation of money
(b) base money
(c) remittances
(d) zero economic profit

Q64. Who among the following won the Meltwater Champions Chess Tour 2022?

(a) Magnus Carlsen
(b) Arjun Erigaisi
(c) Jan-Krzysztof Duda
(d) Vidit Santosh Gujrathi

Q65. Who among the following Mughal emperors built Sheesh Mahal in Agra?

(a) Shah Jahan
(b) Humayun
(c) Babur
(d) Akbar

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Q66. Choose the sentence with no spelling error.

(a) How is your currant brand strategy workinng?
(b) How is your current brrand strategy working?
(c) How is your current brand stretagy working?
(d) How is your current brand strategy working?

Q67. Select the most appropriate option to fill in the blank.

After suffering so many losses, the company is about to go _____.

(a) bankrupt
(b) silent
(c) cynical
(d) awry

Q68. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Fit as a fiddle

(a) In a very good physical condition
(b) To be in love
(c) To drink alcohol regularly
(d) To be firm

Q69. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Shapes that are impossible to make of machining can be printed.

(a) Shapes that are impossible
(b) No error
(c) can be printed.
(d) to make of machining

Q70. 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',

The government appears (to be at war with it's own people.)

(a) to be on war with it's own people
(b) to be at war against it's own people
(c) No substitution required
(d) to be at war with its own people

Q71. Select the most appropriate antonym of the given word.

Mad

(a) Sound
(b) Indisposition
(c) Distemper
(d) Dense

Q72. Fill in the blank with the most appropriate option.

Today is cloudy, but yesterday the sun _____.

(a) flamed
(b) shown
(c) shone
(d) burned

Q73. Identify the segment that contains a grammatical error. If there is no error, select No error'.

The Gryffindors trooped back up / to the castle, none of them talking; / it have been another long day.

(a) No error
(b) The Gryffindors trooped back up

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(c) it have been another long day.
(d) to the castle, none of them talking;

Q74. Choose the word that means the same as the given word.

Valet

(a) Carrier
(b) Carrousel
(c) Kingpin
(d) Butler

Q75. Select the word from the options which is exactly opposite in meaning to the bracketed word given in the sentence below.

I was (disappointed) to see the lack of coverage afforded to this event.

(a) Dizzy
(b) Humiliated
(c) Encouraged
(d) Gloomy

Q76. Select the most appropriate synonym of the given word.

Paradise

(a) Bliss
(b) Trivial
(c) Display
(d) Ghost

Q77. 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’.

He suggested (there was collusions through objectors, due to similarities) in some letters sent to the council.

(a) there was collusions from the objector, due to similarities
(b) there was collusion between objectors, due to similarities
(c) No substitution required
(d) their was collusion by the objectors, due to similarities

Q78. Choose the word that can substitute the given group of words.

A woman with brown hair

(a) Blunt
(b) Brunette
(c) Blonde
(d) Bumble

Q79. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

The story of human evolution _____ a moving target in recent years.

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

Q80. The statement below has been given with bracketed text. Select the option with correct idiom for the bracketed text.

That new budget bill was (totally useless) before it hit the Senate.

(a) a cry wolf
(b) a dead duck
(c) cold feet
(d) a fuel to the fire

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Q81. Four words are given. out of which only one word is spelt correctly. Choose the correctly spelt word.

(a) CALANDER
(b) SPLATER
(c) ASSASINATION
(d) ARGUMENT

Q82. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct,

My grandmother taught me how to sew my own clothes.

(a) teach mine
(b) taught myself
(c) No improvement
(d) taught I

Q83. Select the most appropriate word for the given group of words.

The act of destroying or damaging something

(a) Vengeance
(b) Avenge
(c) Sabotage
(d) Revenge

Q84. Fill in the blank with the most appropriate option.

I am sorry that I was unable to see _____ of you over the summer.

(a) more
(b) many
(c) much
(d) many more

Q85. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Our passage across the Arabian Sea/ was smooth as the most timid of/ navigators could desire.

(a) No error
(b) Our passage across the Arabian Sea
(c) was smooth as the most timid of
(d) navigators could desire.

Directions

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.

In 700 BCE Greek poet Hesiod (1) _____ “Theogony” and “Work and Days”. In these mythologies, Atlas was a Titan (2) __ enormous strength. He along with other titans (3) __ the gods of Mount Olympus. While the other Titans were banished to Tartarus after being defeated by the god Zeus as retribution, Atlas (4) ___ was forced to carry the earth and the sky for an eternity. In depictions of Atlas. obviously carved by human based on myths, he is shown as a stooped figure carrying the (5) ___ on his shoulders. Because of his association with the globe. maps began to be decorated with this image of Atlas.

Q86. Select the most appropriate option to fill in the blank No. 1.

(a) had written
(b) will write
(c) wrote
(d) writes

Q87. Select the most appropriate option to fill in the blank No. 2.

(a) from
(b) in
(c) of

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(d) at

Q88. Select the most appropriate option to fill in the blank No. 3.

(a) collaborated
(b) claimed
(c) challenged
(d) corroborated

Q89. Select the most appropriate option to fill in the blank No. 4.

(a) however
(b) despite
(c) in fact
(d) unlike

Q90. Select the most appropriate option to fill in the blank No. 5.

(a) universe
(b) globe
(c) seas
(d) heavens

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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