SSC MTS Official Paper (Held On: 19 May, 2023 Shift 1) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2023 • 90 questions • 90 minutes • Answer key

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

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SESSION 1

Q1. The product of two numbers is 38025 and their Highest Common Factor is 65. What is the Least Common Multiple of these numbers?

(a) 455
(b) 585
(c) 715
(d) 435

Q2. The volume of a cube is 2.197 cm^3. Find the side of the cube.

(a) 1.3 cm
(b) 1.4 cm
(c) 1.1 cm
(d) 1.2 cm

Q3. The ratio of Mohit's and Sunil's present age is 4 : 5. Mohit is 7 years younger than Sunil. What will be the ratio of Mohit's age to Sunil's age after 7 years?

(a) 7 : 8
(b) 5 : 6
(c) 6 : 7
(d) 8 : 9

Q4. Find the difference between compound interest (compounding annually) and simple interest on a sum of Rs. 56,000 for two years at 15% per annum.

(a) Rs. 1300
(b) Rs. 2410
(c) Rs. 1100
(d) Rs. 1260

Q5. Shivam purchased two watches, first for Rs. 12000 and the second for Rs. 10000. He sold both the watches, first one at the profit of 10 percent and the second at a loss of 10 percent. What is the overall profit or loss?

(a) 2.25 percent profit
(b) 2.25 percent loss
(c) 0.909 percent profit
(d) 0.909 percent loss

Q6. A alone can complete a work in 16 days and B alone can complete the same work in 96 days. In how many days both A and B together can complete the same work?

(a) 88/13 days
(b) 96/7 days
(c) 96/13 days
(d) 88/14 days

Q7. In an office 70% of the staff is male, 70% of the males and 30% of the females voted for Anuj. Find the percentage of the people who voted for Anuj.

(a) 56%
(b) 58%
(c) 52%
(d) 54%

Q8. What is the value of x, if (1/2) of 20 + (1/4) of 28 - (1/3) of x = 10?

(a) 21
(b) 7
(c) 28
(d) 10

Q9. Two numbers are in the ratio 9 : 7. If their HCF is 6, find their LCM.

(a) 189
(b) 126
(c) 378
(d) 252

Q10. On selling a car, a person gives a discount of 8 percent. If he gives a discount of 4 percent, then he receives Rs. 7200 more than in the case of 8 percent discount. What is the marked price of car?

(a) Rs. 150000
(b) Rs. 160000
(c) Rs. 180000
(d) Rs. 110000

Q11. Two stations L and M are 720 km apart from each other. A train leaves from L to M, and simultaneously another train leaves from M to L. Both trains meet after 24 hours. If the speed of the first train is 10 km/hr more than the second train, then what is the speed of the slower train?

(a) 20 km/hr
(b) 16 km/hr
(c) 14 km/hr
(d) 10 km/hr

Q12. A bag contains Rs. 840 in the form of 2 rupee, 5 rupee and 10 rupee coins. The number of coins of 2 rupee, 5 rupee and 10 rupee are in the ratio of 5 : 7 : 6. What is the total number of coins in the bag?

(a) 158
(b) 132
(c) 102
(d) 144

Q13. A and B together can finish a work in 7.2 hours. If B alone can finish the same work in 18 hours, then A alone can do it in:

(a) 18 hours
(b) 12 hours
(c) 10 hours
(d) 15 hours

Q14. The following table shows the expenditure of a company (in lakh rupees) per annum over the given years. What is the difference between the total expenditure on transport and total expenditure on salary in the given years?

Year	Item of Expenditure			
Fuel	Transport	Salary	Tax	
2011	100	150	400	60
2012	92	140	380	64

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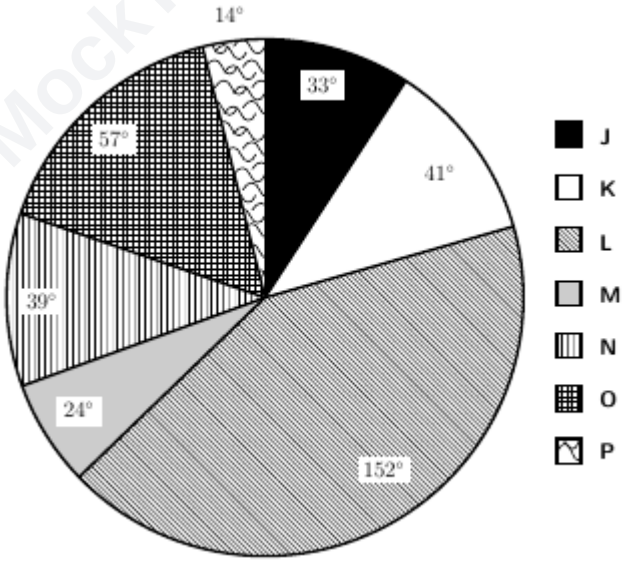
2013	84	145	420	74
2014	102	155	450	78
2015	110	158	490	84

(a) Rs. 1392 lakh
(b) Rs. 896 lakh
(c) Rs. 2140 lakh
(d) Rs. 748 lakh

Q15. If the volume of a cylinder is 5000 m^3 and its radius is 10 meter, then what is the approximate curved surface area of the cylinder? ($\pi = 3.14$)

(a) 954 m^2
(b) 1024 m^2
(c) 1000 m^2
(d) 968 m^2

Q16. The pie chart given below shows the sales of 7 different companies. The total sales of all these 7 companies are 1080. The sale of a particular company is shown in terms of degree with respect to the total sales of all these 7 companies.



What is the ratio of the total sales of J, L, M and N to the total sales of K, N, O and P?

(a) 151 : 248
(b) 129 : 252
(c) 248 : 151
(d) 231 : 149

Q17. The average weight of A, B and C is 40 kg. If the average weight of A and B is 35 kg and that of B and C is 31 kg, then what is the weight of B?

(a) 12 kg
(b) 50 kg
(c) 24 kg
(d) 36 kg

Q18. What is the simple interest on Rs. 14400 for 12 months, if the rate of the interest be 11% per annum?

(a) Rs. 1440
(b) Rs. 1680
(c) Rs. 1331
(d) Rs. 1584

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Q19. Ajay buys a scooter for Rs. 7560 and spends Rs. 540 on its repair. He sells it for Rs. 9000. What is his gain percent?

(a) 8.33%
(b) 9.09%
(c) 11.11%
(d) 6.25%

Q20. A train runs at an average speed of 85 km/hr. Find the time taken by the train to cover a distance of 1275 km.

(a) 15 hours
(b) 14 hours
(c) 17 hours
(d) 12 hours

Q21. Eight players Anil, Kamal, Ram, Sanjay, Aakash, Vivek, Rahul and Ramu are sitting around a circular table facing towards the centre (not necessarily in the same order). Sanjay is second to the left of Anil. Rahul is fourth to the right of Anil. Ram is not the immediate neighbour of Rahul or Sanjay. Aakash is second to the right of Ram. Kamal is second to the right of Vivek. Who is third to the right of Ramu?

(a) Vivek
(b) Sanjay
(c) Rahul
(d) Kamal

Q22. Which of the following numbers will replace the question mark (?) in the given series?

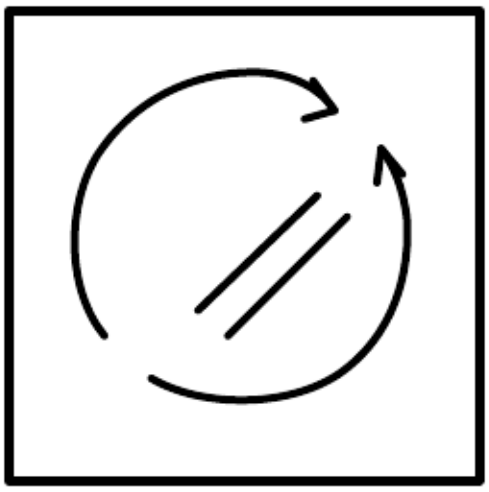
59, 63, 71, 83, 99, ?

(a) 117
(b) 118
(c) 121
(d) 119

Q23. Marks of five girls Mansi, Kajal, Reetu, Tina and Riya are compared. Marks of Riya are less than Mansi but more than Tina. Marks of Reetu are less than Tina, Riya and Mansi. Marks of Kajal are less than Reetu. Marks of how many girls are less than the marks of Tina?

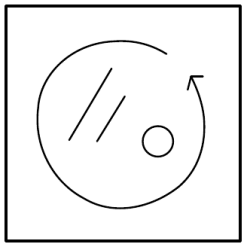
(a) 2
(b) 1
(c) 4
(d) 3

Q24. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

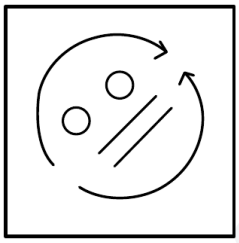


X

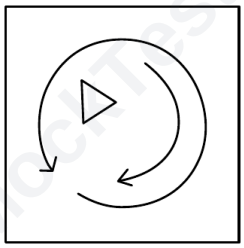
(a)



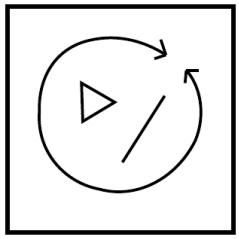
(b)



(c)



(d)



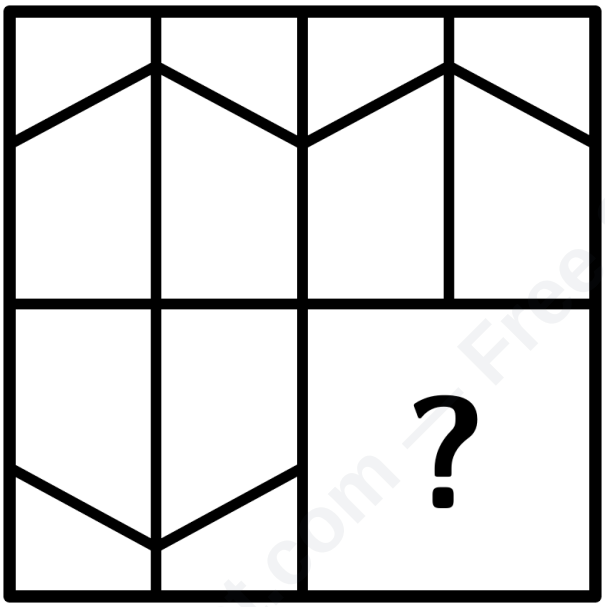
Q25. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

15 C 9 A 7 B 2 = ?

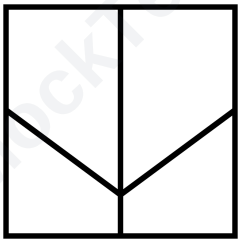
(a) 20
(b) 15
(c) 45
(d) 36

Q26. Which answer figure will complete the pattern in the question figure?

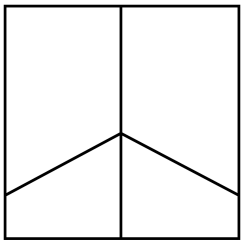
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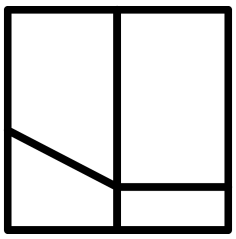
(a)



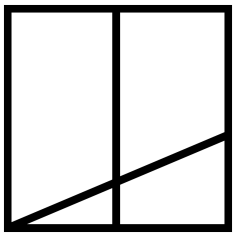
(b)



(c)



(d)



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Q27. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (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/subtracting/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)

(15, 25, 35)

(45, 55, 65)

(a) (55, 65, 75)
(b) (45, 55, 70)
(c) (55, 75, 85)
(d) (55, 60, 70)

Q28. In the following question, select the missing number of the given series.

36, 73, 147, 295, 591, ?

(a) 1163
(b) 1188
(c) 1183
(d) 1197

Q29. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. Some M are N.

II. No J is N.

Conclusion:

I. No N is J.

II. Some N are M.

III. All J are M.

(a) Both conclusions I and III follows
(b) Only conclusion II follows
(c) Both conclusions I and II follows
(d) Both conclusions II and III follows

Q30. In a certain code language, 'SOWHF' is written as 'PLTEC'. How will 'TQMGD' be written in that language?

(a) QNJDE
(b) QNDJD
(c) QNJDA
(d) QJNDD

Q31. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

NP3 : PS27 :: AQ4 : CT64 :: FE5 : ?

(a) HH125
(b) HI125
(c) II125
(d) IH125

Q32. Eight boys Anil, Kamal, Ram, Sanjay, Aakash, Vivek, Rahul and Ramu are sitting around a circular table facing opposite to the centre (not necessarily in the same order). Ram is the immediate neighbour of both Ramu and Anil. Sanjay is third to the right of Ramu. Ramu is second to the right of Anil. Ram is second to the left of Kamal. Vivek is not the immediate neighbour of Anil. Aakash is second to the right of Ramu. Who is second to the right of Vivek?

(a) Anil
(b) Rahul
(c) Sanjay

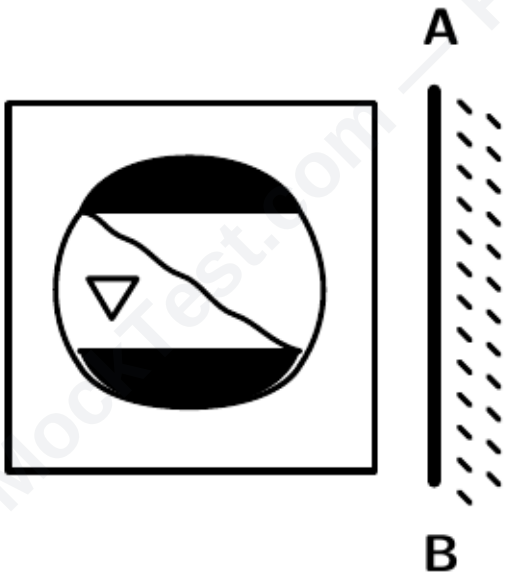
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(d) Aakash

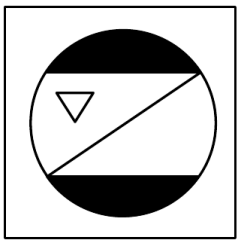
Q33. In a certain code language, 'HED' is coded as '160', 'FBG' is coded as '84'. What is the code for 'BEJ' in that code language?

(a) 60
(b) 100
(c) 80
(d) 120

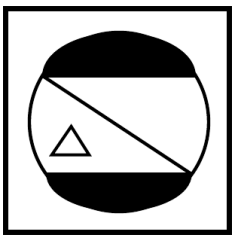
Q34. Select the correct mirror image of the given figure when the mirror is placed at AB as shown below.



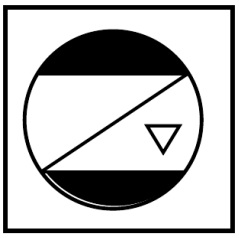
(a)



(b)

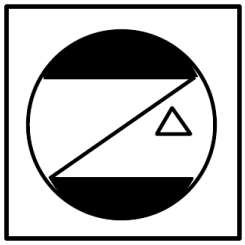


(c)



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(d)



Q35. In a certain code language, 'AGEING' is written as '1H23OH'. How will 'UTOPIA' be written in that language?

(a) 5U4R31
(b) 54UQ31
(c) 5U4Q31
(d) 5S4R31

Q36. In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

I. All S are F

II. Some S are H.

Conclusion:

I. Some F are not S.

II. Some H are S.

(a) Only conclusion I follows
(b) Neither conclusion follows
(c) Only conclusion II follows
(d) Both conclusions I and II follows

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

AF14 : FO28 :: RH13 : WQ27 :: LC26 : ?

(a) QL40
(b) QM40
(c) QL54
(d) QM54

Q38. After interchanging the given two signs, what will be the value of the given equation?

× and ÷ ; 68 × 17 + 34 ÷ 2 - 18

(a) 54
(b) 60
(c) 46
(d) 35

Q39. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

RAQ, TCS, VEU, ?, ZIY

(a) XHW
(b) XHX
(c) XGW
(d) XGX

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Q40. Select the option that is related to the third number in the same way as the second number is related to the first number.

434 : 33 :: 125 : ?

(a) 30
(b) 27
(c) 21
(d) 24

SESSION 2

Q41. The festival of Makar Sankranti is devoted to which of the following gods?

(a) Surya
(b) Vishnu
(c) Indra
(d) Shiva

Q42. Which of the following is a tertiary consumer?

(a) Grass
(b) Snake
(c) Frog
(d) Grasshopper

Q43. Who among the following is widely credited for introducing new forms of music, theatrical performance, language and the 'Sattriya' Dance?

(a) Padma Subrahmanyam
(b) Srimanta Sankardev
(c) Uday Shankar
(d) Shovana Narayan

Q44. Which of the following period is referred as the period of population explosion in India?

(a) 1951 - 1981
(b) Post 1981 till present
(c) 1901 - 1921
(d) 1921 - 1951

Q45. Which country shares a sea-line border with India?

(a) Maldives
(b) Philippines
(c) Fiji
(d) Pakistan

Q46. Which of the following ancient site is NOT situated in India?

(a) Hunsgi
(b) Hallur
(c) Inamgaon
(d) Mehrgarh

Q47. The objective of Simon Commission was to _____.

(a) decide India's Political future
(b) decide India's Religious future
(c) decide India's Educational future
(d) decide India's economical future

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Q48. Which act of British Parliament was also known as East India Company Act 1793?

(a) The Government of India Act, 1793
(b) The Charter Act, 1793
(c) The Regulating Act, 1793
(d) The Indian Councils Act, 1793

Q49. The largest ocean on Earth is the _____.

(a) Pacific Ocean
(b) Atlantic Ocean
(c) Arctic Ocean
(d) Indian Ocean

Q50. The Financial Action Task Force (FATF) in October 2022 has excluded which country from the grey list of global watchdog on terror financing and money laundering?

(a) Bangladesh
(b) North Korea
(c) China
(d) Pakistan

Q51. Which Bill passed in the Lok Sabha in 2022 is for unification of three Municipal Corporations in one of the States/Union Territories of India?

(a) Karnataka Municipal Corporation (Amendment) Bill
(b) Chandigarh Municipal Corporation (Amendment) Bill
(c) Puducherry Municipal Corporation (Amendment) Bill
(d) Delhi Municipal Corporation (Amendment) Bill

Q52. What does it mean when an object has a positive charge?

(a) It has more electrons than protons
(b) It has more protons than electrons
(c) It has more neutrons than electrons
(d) It has more neutrons than protons

Q53. The Mormugao Port is located in which of the following states?

(a) Tamil Nadu
(b) West Bengal
(c) Maharashtra
(d) Goa

Q54. Which among the following is a public sector bank?

(a) Axis Bank
(b) ICICI Bank
(c) Bank of Baroda
(d) Yes Bank

Q55. Predominant theme of Manipuri dance is _____.

(a) devotion
(b) warfare
(c) patriotism
(d) bravery

Q56. Asad Ali Khan was an Indian musician who played _____.

(a) Flute
(b) Sitar
(c) Santoor
(d) Rudra Veena

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Q57. Who among the following is the author of "Flood of Fire"?

(a) Arunima Sinha
(b) Tarun Khanna
(c) Amitav Ghosh
(d) Twinkle Khanna

Q58. Insufficient exposure to sunlight causes deficiency of which vitamin?

(a) Vitamin E and K
(b) Vitamin A
(c) Vitamin D
(d) Vitamin C

Q59. Article 40 of the Indian constitution is related with _____.

(a) Protection of life
(b) Organisation of village panchayats
(c) Uniform civil code for the citizens
(d) Freedom to manage religious affairs

Q60. Around 2000 years ago _____ became the second capital of the Kushanas.

(a) Patliputra
(b) Madurai
(c) Vaishali
(d) Mathura

Q61. In terms of area, India is the _____ largest country in the world.

(a) seventh
(b) third
(c) ninth
(d) sixth

Q62. Who is the only Cricket Player to win "Major Dhyan Chand Khel Ratna Award 2021"?

(a) Mithali Raj
(b) Virat Kohli
(c) Rohit Sharma
(d) Harmanpreet Kaur

Q63. Who among the following is/was a famous track and field sprinter of India?

(a) Major Dhyan Chand
(b) T. C. Yohannan
(c) Mahesh Bhupathi
(d) Milkha Singh

Q64. _____ take oath as the 50th Chief Justice of India on November 9, 2022.

(a) Justice D.Y. Chandrachud
(b) Justice Ranjan Gogoi
(c) Justice U.U. Lalit
(d) Justice N.V. Ramana

Q65. In Buddhist architecture, which among the following are meditation cells and living quarters for the monks?

(a) Viharas
(b) Chaitya Grihas
(c) Pietra dura
(d) Stupas

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Q66. Choose the sentence with no spelling error.

(a) Take it up, and write your own storry.
(b) Take it up, and writte your on story.
(c) Take it up, and write your own story.
(d) Take it up, and write your own stori.

Q67. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Pros and cons

(a) Undecided on a topic
(b) Doubtful
(c) To advance in harmony
(d) Arguments for and against something

Q68. 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.

I received word that you (were attempting) to contact me.

(a) No correction required
(b) were strike
(c) has attempting
(d) was attempting

Q69. Select the most appropriate word for the given group of words.

The action or offence of speaking sacrilegiously about God or sacred things; profane talk

(a) Blasphemy
(b) Extempore
(c) Ephemeral
(d) Crusade

Q70. Select the most appropriate option to fill in the blank.

If someone does not stop the political _____ in that country, a civil war is likely to break out soon.

(a) rhetoric
(b) anaphoric
(c) aleatoric
(d) historic

Q71. Choose the word that can substitute the given group of words.

The science of foretelling events by mapping stars

(a) Astrophysics
(b) Astronomy
(c) Astrology
(d) Astrobiology

Q72. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The candidate win the voting by a narrow margin.

(a) wins the voted
(b) won the vote
(c) win a vote
(d) No improvement

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Q73. Select the correctly spelt word.

(a) Minusulle
(b) Minsculee
(c) Manscule
(d) Minuscule

Q74. 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'.

(Plots to dispose him came) to nothing.

(a) No substitution required
(b) Plots to dispose off him comes
(c) Plots to dispose of him came
(d) Plots which dispose him came

Q75. Select the most appropriate synonym of the given word.

Contrite

(a) persistent
(b) advertent
(c) renitent
(d) remorseful

Q76. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I was always greeted _____ wherever I went in the country.

(a) warm
(b) warmly
(c) warming
(d) warmth

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

The technical vocabulary and foreign words make this text a little more _____.

(a) difficult
(b) futile
(c) stagnant
(d) feasible

Q78. Select the most appropriate antonym of the given word.

Tangle

(a) Jam
(b) Labyrinth
(c) Simple
(d) Coil

Q79. Fill in the blank with the most appropriate choice.

Hard to believe that these people can justify and _____ such sickening behaviour!

(a) rationalize
(b) essentialize
(c) scandalize
(d) tantalize

Q80. Select the most appropriate antonym to substitute the (bracketed) word in the given sentence.

The negotiations have gotten nowhere, and I see no reason to (continue) with this pointless exercise.

(a) halt
(b) vivacious
(c) coagulate

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(d) agitate

Q81. Select the most appropriate meaning of the bracketed idiom in the given sentence.

Did you know David went to school with my brother? It's (a small world), isn't it?

(a) Overwhelmed by what is happening in the moment
(b) Meeting someone not expected to be at a certain place
(c) A two-person conflict where both people are at fault
(d) An aggressive and bold confrontation

Q82. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Fires in California is sounding alarm bells that cannot be ignored.

(a) sounding alarm bells
(b) that cannot be ignored.
(c) Fires in California is
(d) No error

Q83. Choose the word that means the same as the given word.

Appropriate

(a) Polarize
(b) Competent
(c) Informal
(d) Gentle

Q84. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

He consolidated control over all the/provinces of the Great Britain and some / of northern Gaul while Maximian dealt with other uprisings.

(a) of northern Gaul while Maximian dealt with other uprisings.
(b) No Error
(c) He consolidated control over all the
(d) provinces of the Great Britain and some

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

Police could not catch/ the gunman as he ran off / so very fastly into the woods.

(a) the gunman as he ran off
(b) Police could not catch
(c) No error
(d) so very fastly into the woods.

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.

Were the stories we told each (1) ____ true? Who knows? At the best of (2) __, a story is a slippery thing. (3) __ no one had told us this (4) __ one, though it was the tale we most (5) ____ to know.

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

(a) of us
(b) one other
(c) another
(d) other

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

(a) time
(b) schedule
(c) clock

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(d) times

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

(a) May by
(b) Could be
(c) Certainly
(d) Might be

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

(a) in particular
(b) particular
(c) especial
(d) accurate

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

(a) concern
(b) needed
(c) had
(d) require

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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