SSC MTS 2024 Official Paper (Held On: 30 Oct, 2024 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2024 • 90 questions • 90 minutes • Answer key

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SESSION 1

Q1. Find the simple interest (in Rs.) on Rs. 2500 as a sum borrowed at 8% per year rate of interest for 4 years.

(a) 800
(b) 840
(c) 740
(d) 760

Q2. In a conical tent of diameter 13.2 m and vertical height 14 m, how many full bags of wheat can be emptied, if the space required for the wheat in each bag is 29.04 m³? [Use π = frac227]

(a) 25
(b) 28
(c) 22
(d) 21

Q3. A banner at a garment shop advertises 'Buy 2 and get 5'. The shopkeeper has marked all the shirts at the same amount. Gaurav was his relative and the shopkeeper gave him an additional discount of 2% on the total bill. Gaurav purchased 5 shirts and paid Rs. 1,274. What is the marked price of each shirt?

(a) Rs. 520
(b) Rs. 260
(c) Rs. 630
(d) Rs. 650

Q4. What will be the average of the odd numbers from 1 to 51, both inclusive?

(a) 24
(b) 26
(c) 25
(d) 26.5

Q5. What is the curved surface area of a cylinder with a base radius of 12 cm and a height of 49 cm?
[Use π = frac227]

(a) 3120 cm²
(b) 5260 cm2
(c) 3696 cm2
(d) 6336 cm2

Q6. The average of first 9 whole numbers is:

(a) 3
(b) 4.5
(c) 5
(d) 4

Q7. The salary of a worker is first increased by 30% and later reduced by 28.5%. What is the net change in his salary?

(a) 9.05% decrease
(b) 7.05% decrease
(c) 6.05% increase
(d) 8.05% increase

Q8. Aman, Bheema and Rehman play cricket, the ratio of Aman's runs to Bheema's runs and Bheema's runs to Rehman's runs is 5 : 4. They make together 549 runs. How many runs did Rehman make?

(a) 132
(b) 158
(c) 108
(d) 144

Q9. Find the ratio in which rice worth Rs. 7.20/kg should be mixed with rice worth Rs. 5.70/kg to produce a mixture worth Rs. 6.30/kg.

(a) 2 : 3
(b) 1 : 3
(c) 3 : 4
(d) 4 : 5

Q10. Raghu lends Rs. 9,600 and Rs. 11,800 at simple interest to two different persons for the same time at the rate of 7% per annum and 8% per annum, respectively. If he had received Rs. 9,696 as total interest from both, find the time period for which the amounts were lent.

(a) 10 years
(b) 8 years
(c) 6 years
(d) 12 years

Q11. A policeman sees a thief at a distance of 50 m and starts chasing him at a speed of 7 m/s, while the thief runs at a speed of 5 m/s. What is the distance (in m) covered by the thief when he is caught?

(a) 125
(b) 150
(c) 175
(d) 100

Q12. A shopkeeper sold an article at a profit of 4%. If he had bought the article at 5% less and sold it at Rs. 30 more, then he would have made a profit of 12%. What is the cost price (in Rs.) of the article?

(a) 1,232
(b) 1,200
(c) 1,260
(d) 1,250

Q13. The average weight of 14 persons out of 16 persons is 75 kg. The total weight of the remaining two persons is 48 kg more than the average weight of all 16 persons. Find the average weight of the remaining two persons.

(a) 66.6 kg
(b) 48.6 kg
(c) 54.6 kg
(d) 60.6 kg

Q14. The lowest terms of 221/488 is:

(a) 121/488
(b) 221/488
(c) 121/288
(d) 221/288

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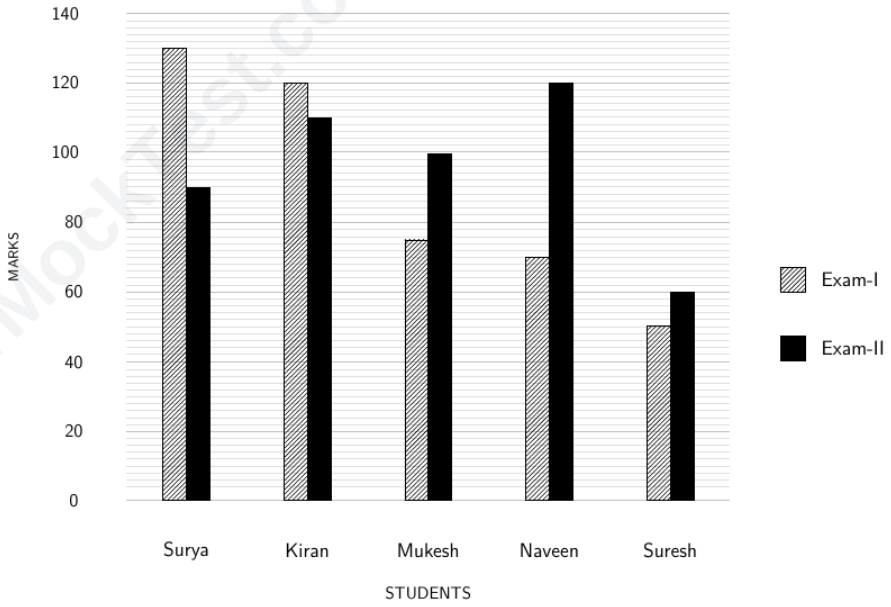
Q15. A vendor bought a certain number of bananas at 6 for Rs. 5 and sold them at 4 for Rs. 3. Find his loss percentage.

(a) 12%
(b) 10%
(c) 8%
(d) 15%

Q16. A spherical ball of iron is to be produced. If the radius of the ball is 3 cm and weight of iron per cm^3 is 30g,what would be the weight of the ball?

(a) 1080 π g
(b) 104 π g
(c) 1040 π g
(d) 108 π g

Q17. The given bar graph shows the marks obtained by five students in Exam I and Exam II.Study the bar graph carefully to answer the question that follows.



If the marks obtained by Suresh in Exam-I were increased by 14% of the original marks, what would be his new approximate percentage in Exam-I if the maximum marks in Exam-I were 140?

(a) 41%
(b) 38%
(c) 57%
(d) 47%

Q18. The following table shows the percentage of marks obtained by five students (A,B,C,D and E) in different subjects. (Maximum marks are given beside subjects)

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Subjects / Students	Urdu 200	Sanskrit 200	Music 200	Hindi 200	English 200
A	60	80	90	60	90
B	90	70	80	70	40
C	70	90	90	80	70
D	80	60	70	90	80
E	90	50	80	80	80

How many more or fewer marks did Student A obtain in English, as compared to the marks obtained by Student E in the same subject?

(a) 20 less
(b) 15 less
(c) 20 more
(d) 15 more

Q19. What sum (in Rs.) will earn a simple interest of Rs. 360 in 2 years at 16% per year rate of interest?

(a) 725
(b) 1850
(c) 1125
(d) 2250

Q20. A man travelled from Tirupati to Tirumala at the speed of 20 km/h and walked back at the speed of 4 km/h. If the whole journey took 24 hours, then find the distance (in km) between Tirumala and Tirupati.

(a) 20
(b) 25
(c) 80
(d) 30

Q21. In a code language, 'PINK' is coded as 'WFUH' and 'DORM' is coded as 'KLYJ'. How will 'BUGI' be coded in that language?

(a) JROF
(b) KSNE
(c) KSOE
(d) IRNF

Q22. Three statements are given, followed by two conclusions numbered 1 and 2. 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 Jeans are Pants

No Pant is a Shirt

Some Shirts are T-shirts

Conclusions:

1. Some T-shirts are Shirts
2. Some T-shirts are Jeans

(a) Both conclusions 1 and 2 follow
(b) Neither conclusion 1 nor 2 follow
(c) Only conclusion 2 follows

(d) Only conclusion 1 follows

Q23. HLTE is related to DHPA in a certain way based on the English alphabetical order. In the same way, VBNW is related to RXJS. To which of the following is MUXK related, following the same logic?

(a) IQTG
(b) IQSF
(c) JRUG
(d) IPSF

Q24. What will come in the place of the question mark (?) in the following equation, if '+' and '−' are interchanged and '×' and '÷' are interchanged?

2 ÷ 90 × 5 − 4 + 10 = ?

(a) 30
(b) 35
(c) 29
(d) 37

Q25. In a certain code language, 'JUGS' is coded as '3715' and 'GOLD' is coded as '6524'. What is the code for 'G' in that language?

(a) 5
(b) 6
(c) 1
(d) 4

Q26. Seven people A, B, C, D, E, F and G are sitting around a circular table, facing the center (but not necessarily in the same order). F is sitting second to the left of C. E is the immediate neighbour of A and C. G is sitting third to the right of D.

What is the position of B with respect to G?

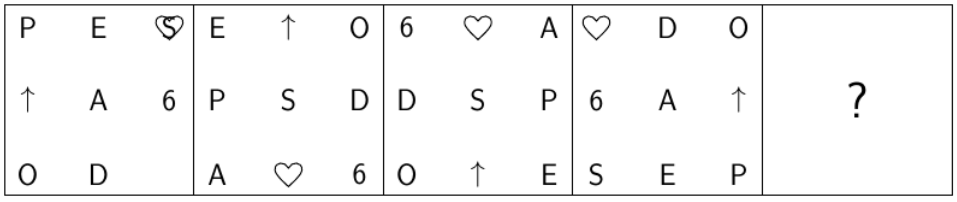
(a) Second to the left
(b) To the immediate right
(c) Second to the right
(d) Third to the right

Q27. Which of the following interchanges of signs would make the given equation correct?

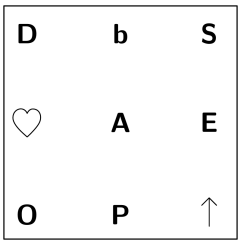
96 × 8 – 15 ÷ 5 + 100 = 37

(a) – and +
(b) × and –
(c) ÷ and ×
(d) × and +

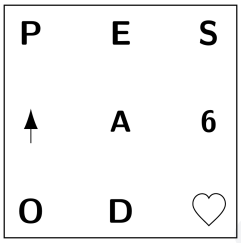
Q28. Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.



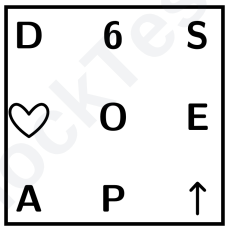
(a)



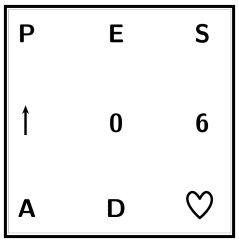
(b)



(c)



(d)



Q29. A, B, C, D, E, F, and G, are sitting around a circular table facing the centre (but not necessarily in the same order). Only 3 people sit between E and F when counted from the right of E. A and D are both immediate neighbours of G. B sits immediate to the right of C. Only 1 person sits between B and D. How many people sit between A and E when counted from the right of A?

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

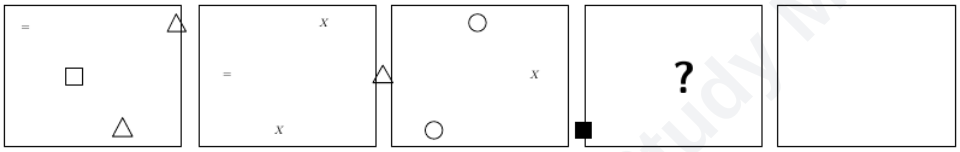
Q30. 79 is related to 164 following a certain logic. Following the same logic, 98 is related to 183. To which of the following is 112 related, following the same logic?

(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)

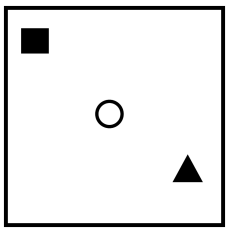
(a) 197
(b) 187
(c) 182
(d) 195

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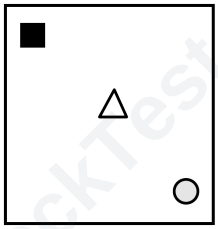
Q31. Identify the figure given in the options which when put in place of ? will logically complete the series.



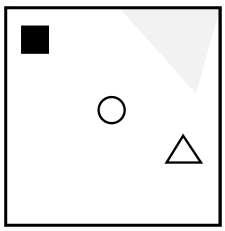
(a)



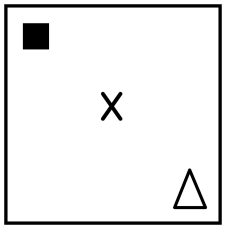
(b)



(c)



(d)



Q32. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All apples are mangoes.

No mango is a kiwi.

Conclusions:

(I) No apple is a kiwi.

(II) No kiwi is a mango.

(a) Neither conclusion I nor II follows

(b) Both conclusion I and II follow

(c) Only conclusion I follows

(d) Only conclusion II follows

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Q33. In a certain code language, 'HOME' is coded as '5317' and 'EAST' is coded as '6528'. What is the code for 'E' in the given code language?

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

Q34. What should come in place of question mark (?) in the given series based on the English alphabetical order?
CEB, GHE, KKH, ONK, ?

(a) TQQ
(b) TQN
(c) SQO
(d) SQN

Q35. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)

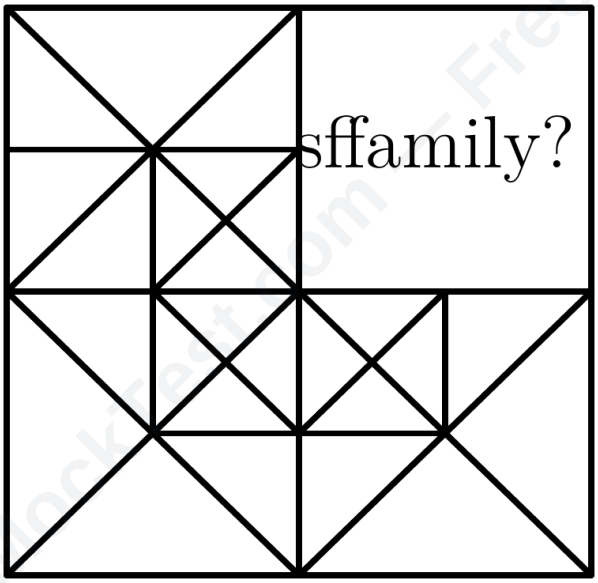


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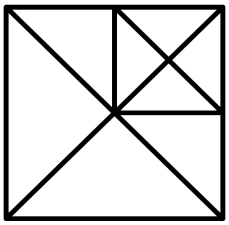
(d)



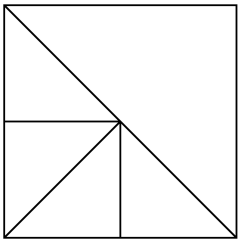
Q36. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.



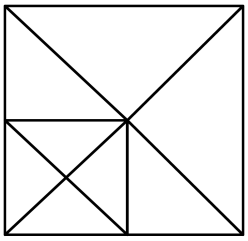
(a)



(b)

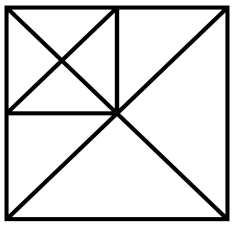


(c)



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(d)



Q37. What should come in place of the question mark (?) in the following series?

4, 10, ?, 82, 244, 730, 2188

(a) 21
(b) 28
(c) 38
(d) 20

Q38. AFKO is related to CHMQ in a certain way based on the English alphabetical order. In the same way, ILRS is related to KNTU. To which of the following is BDGI related, following the same logic?

(a) HDJI
(b) DFIK
(c) RTUI
(d) SIND

Q39. 20 is related to 401 following a certain logic. Following the same logic, 15 is related to 226. To which of the following is 18 related, following the same logic?

(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.)

(a) 364
(b) 352
(c) 325
(d) 346

Q40. In a certain code language, ‘PEN’ is coded as ‘16-05-14’ and ‘CAR’ is coded as ‘03-01-18’. How is ‘KITE’ coded in the given language?

(a) 11-10-20-04
(b) 10-09-20-05
(c) 10-12-20-03
(d) 11-09-20-05

SESSION 2

Q41. The Hindi novel 'Jhutha Sach' is written by:

(a) Yashpal
(b) Jaishankar Prasad
(c) Shrilal Shukla
(d) Premchand

Q42. 'Attolu Eidu' is the cultural festival of which of the following union territories?

(a) Jammu and Kashmir
(b) Dadra and Nagar Haveli
(c) Andaman and Nicobar Islands
(d) Lakshadweep

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Q43. According Census 2011 of India, which of the following union territories has the second highest literacy rate?

(a) Lakshadweep
(b) Chandigarh
(c) Daman and Diu
(d) Andaman and Nicobar

Q44. Chand Minar at Daulatabad is a 210-feet-high tapering tower divided into _____ storeys.

(a) four
(b) six
(c) three
(d) five

Q45. Which of the following is a natural indicator for acid and base?

(a) Curry tree
(b) China rose
(c) Fungi
(d) Algae

Q46. Which treatise of Indian classical music was composed by Pandit Sharanga Deva?

(a) Sangeet Makarand
(b) Sangeet Samay Saar
(c) Sangeet Ratnakar
(d) Sangeet Tarang

Q47. The Indian reformer Jyotirao Phule was primarily critical of which social evil of the Indian society?

(a) Poverty
(b) Sati System
(c) Child Marriage
(d) Caste Discrimination

Q48. Which of the following states has bicameral (two houses) state legislature?

(a) Karnataka
(b) Goa
(c) West Bengal
(d) Punjab

Q49. Which of the following statements is/are INCORRECT?

A) 1833 Charter Act has changed the designation for Governor-General of Bengal, renamed as Governor-General of India.

B) Lord William Bentinck was the first Governor General of India.

(a) Neither A nor B
(b) Only B
(c) Only A
(d) Both A and B

Q50. What is the term used for the line that a raider must cross to validate a raid in Kabaddi?

(a) Baulk line
(b) Half line
(c) Bonus line
(d) Centre line

Q51. Identify the personality on the basis of the given clues:

i) She is an acclaimed Bharatanatyam dancer.

ii) She is the recipient of Padma Shri 2016 award.

(a) Padmaja Reddy

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(b) Prathiba Prahlad
(c) Padma Sharma
(d) Aruna Mohanty

Q52. Which of the following folk dances is conducted during the Bwisagu Festival?
(a) Bhortal
(b) Jhumur
(c) Bagurumba
(d) Bihu dance

Q53. Cyanobacteria belong to the domain of:
(a) Primary Consumers
(b) Producers
(c) Decomposers
(d) Tertiary Consumers

Q54. On 10 April 2023, the Government of India launched tourism infrastructure and amenities in villages through the 'Vibrant Villages Programme'.
(a) Border
(b) Desert
(c) Hill
(d) Coastal

Q55. In which year did Rohan Bopanna become world number one in the Men's Doubles category of Lawn Tennis?
(a) 2015
(b) 2024
(c) 2017
(d) 2023

Q56. The oceanic trenches or the narrow depressions on the seafloor are formed by reason of:
(a) tsunamis
(b) thermohaline circulation
(c) tidal currents
(d) tectonic activity

Q57. In the number 0.002609, the number of significant figures is _____.
(a) four
(b) seven
(c) six
(d) three

Q58. Which of the following is NOT a salient feature of Fundamental Duties of the Indian Constitution?
(a) It is non-justiciable.
(b) There is clear difference between Fundamental Rights and Fundamental Duties.
(c) Fundamental Duties are both civic and moral in nature.
(d) They are enforceable by law and can be challenged in court.

Q59. Match the monuments with their respective builders.

Monuments	Builders
A Jama Masjid at Delhi	1 Babur
B Allahabad Fort	2 Sher Shah
C Quila I Kunhan Masjid	3 Shah Jahan
D Jama Masjid at Sambhal	4 Akbar

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(a) A-4, B-1, C-2, D-3
(b) A-3, B-4, C-2, D-1
(c) A-3, B-2, C-4, D-1
(d) A-2, B-1, C-3, D-4

Q60. According to National Multidimensional Poverty Index 2023 (A Progress Review), what is the percentage of the total population who are multidimensionally poor (Headcount Ratio) in Bihar state?
(a) 36.12%
(b) 45.98%
(c) 40.54%
(d) 33.76%

Q61. Which of the following rivers flows through Madhya Pradesh?
(a) Shyok
(b) Sharda
(c) Bhima
(d) Betwa

Q62. Who is National Security Advisor of India as of July 2023?
(a) Rajnath Singh
(b) Ajit Doval
(c) Rajiv Gauba
(d) Sanjeev Sanyal

Q63. Which port situated at the head of Gulf of Kutch has helped to reduce the pressure at Mumbai port?
(a) Haldia
(b) Kolkata
(c) Kandla
(d) Kochi

Q64. What are the three components of the empowerment model in SAPAP of SHGs?
(a) Social mobilisation, economic development, and education
(b) Collective empowerment, capital formation, and poverty eradication
(c) Public resource allocation, capacity building, and microfinance
(d) Social mobilisation, capital formation, and capacity building of the poor

Q65. Harappa, one of the sites of the Harappan culture, was found in which of the following states of pre-independent India?
(a) Punjab
(b) Balochistan
(c) Sindh
(d) United Province

Q66. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
My mother said / that the thief / Ramesh will learnt / his lesson soon.
(a) Ramesh will learnt
(b) his lesson soon.
(c) My mother said
(d) that the thief

Q67. Select the most appropriate synonym of the underlined word in the given sentence.
James is just an old eccentric.
(a) Ordinary
(b) Follower
(c) Cranky

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(d) Humble

Q68. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

After the match, / the stadium was the messiest / it's ever been.

(a) No Error
(b) It's ever been
(c) After the match
(d) the stadium was the messiest

Q69. Select the most appropriate adjective to fill in the blank.

According to the chairman, his proposal was _____ than Mr. Jackson's.

(a) worse
(b) worst
(c) bad
(d) ill

Q70. The following sentence has been split into four segments. Identify the segment that contains an error in phrasal verb.

Gita got onto / the book / she was reading / this morning.

(a) she was reading
(b) this morning
(c) Gita got onto
(d) the book

Q71. Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence.

The tailor was called to stitch the long loose gowns worn by priests and choristers.

(a) frocks
(b) cassocks
(c) petticoats
(d) tuxedos

Q72. Select the INCORRECTLY spelt word from the given sentence.

The explorer's adventuros spirit led to the discovery of an ancient civilisation.

(a) Ancient
(b) Adventuros
(c) Discovery
(d) Explorer's

Q73. Select the most appropriate option that can substitute the underlined segment without changing its meaning in the given sentence.

Entrepreneurial endeavours drive economic growth and innovation, empowering individuals to bring their ideas to fruition.

(a) pursuits manipulates economic success
(b) ventures contribute to economic flourishing
(c) actions spur economic recession
(d) projects discourage economic prosperity

Q74. Select the most appropriate option that can substitute the underlined segment in the given sentence.

I had to choose the best of the two options available.

(a) good of
(b) better of
(c) better than
(d) best than

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Q75. Select the option that will improve the underlined part of the given sentence.

I started feeling tired as I had been working for a long time and so I decided to call the day.

(a) be a day for calling
(b) call it a day
(c) be called a day
(d) call off the day

Q76. Select the most appropriate option to fill in the blank.

The farmer stood by the roadside stand to sell his _____.

(a) volume
(b) consequence
(c) productivity
(d) produce

Q77. Identify the most appropriate ANTONYM of the word in brackets.

Her candid remarks were a (refreshing) change from the usual diplomatic responses.

(a) Bracing
(b) Invigorating
(c) Revitalising
(d) Stale

Q78. Select the most appropriate ANTONYM for the underlined word in the given sentence.

He is a lazy person.

(a) hardworking
(b) perfect
(c) casual
(d) popular

Q79. In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative.

Wolffia is the tiny plant in the world.

(a) tinier
(b) tiniest
(c) most tiny
(d) more tiny

Q80. Select the INCORRECTLY spelt word.

(a) Abodomen
(b) Abolished
(c) Adverse
(d) Annoyed

Q81. Select the most appropriate option to fill in the blanks.

He is going to _____ the campaign against excessive use of _____ in local production units.

(a) combat
(b) spice
(c) protest
(d) lead

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

Please turn off the lights _____ leaving the house.

(a) before
(b) between
(c) during

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(d) amid

Q83. Select the INCORRECTLY spelt word.

(a) Consensus
(b) Conceive
(c) Disapoint
(d) Disappear

Q84. Select the most appropriate option that can substitute the underlined segment in the given sentence.

Sree did not go to work today, as she was feeling a bit under the weather.

(a) feeling nervous
(b) feeling tired
(c) feeling excited
(d) feeling ill

Q85. Select the most appropriate ANTONYM that can substitute the underlined segment in the given sentence.

The family members described their dream home's architectural elegance.

(a) coarseness
(b) fortitude
(c) grandiosity
(d) gleam

Directions

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The Enlightenment, sometimes known as the 'Age of Reason', is described as the period of (1)_____ scientific, political, and philosophical debate that characterised European culture (2) ____ the 'long' 18th century: from the late 17th century until the end of the Napoleonic Wars in 1815. This was an era of an enormous (3) ____ in thinking and reason, which historian Roy Porter describes as 'decisive in the formation of modernity'. Centuries of custom and tradition were (4) ____ in favour of exploration, individuality, tolerance, and scientific (5) _____, all of which contributed to the formation of the 'modern world'.

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

(a) auspicious
(b) malicious
(c) cautions
(d) rigorous

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

(a) above
(b) over with
(c) throughout
(d) along with

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

(a) secure
(b) shield
(c) embed
(d) shift

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

(a) discarded
(b) demean
(c) dejected
(d) defrosted

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

(a) endeavour
(b) shirk
(c) slacken
(d) doodle

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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