SSC MTS Official Paper (Held On: 19 May, 2023 Shift 2) (Previous Year Paper)

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

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SESSION 1

Q1. The difference between compound interest and simple interest on Rs. X at 7.5% per annum for 2 years is Rs. 22.50. Find the value of X.

(a) Rs. 4000
(b) Rs. 5000
(c) Rs. 2000
(d) Rs. 1900

Q2. A certain quantity of water is mixed with milk price at Rs. 48 per litre. The price of mixture is Rs. 30 per litre. The ratio of water and milk in the new mixture: (water is available free of cost)

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

Q3. The mean proportional between 35 and a certain number N is four times the mean proportional between 14 and 30. The number N is:

(a) 192
(b) 75
(c) 124
(d) 92

Q4. If the price of a book first increased by 18% and then decreased by 18%. What is the net change in the price of the book?

(a) 18% increase
(b) 3.24% decrease
(c) No change
(d) 18% decrease

Q5. A cone and a cylinder have same height and the radius of the cone is twice of the radius of the cylinder. What is the ratio of the volume of the cone to that of the cylinder?

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

Q6. If the ratio of boys to girls in a class is 8 : 5, which of the following option could be the total number of students in that class?

(a) 81
(b) 78
(c) 57

(d) 66

Q7. Vihaan is twice as efficient as Mayur and can finish a piece of work in 14 days less than Mayur. In how many days Mayur can finish this work?

(a) 14 days
(b) 21 days
(c) 28 days
(d) 7 days

Q8. Pawan purchased a shirt whose marked price is Rs. 2200. The offer discount on shirt is 8%. How much amount Pawan need to pay?

(a) Rs. 2120
(b) Rs. 2024
(c) Rs. 2099
(d) Rs. 1999

Q9. The following table shows the number of engineers (in hundreds) in different countries for four years.

Find the average number of engineers in Canada in the given years.

Year	China	Canada	India
2019	210	120	240
2020	420	320	360
2021	540	180	540
2022	620	280	340

(a) 25000
(b) 22500
(c) 23000
(d) 24500

Q10. Find the value of (92 + 43 ÷ 8) × 5.

(a) 445
(b) 420
(c) 450
(d) 400

Q11. If a train travels 1000 km from Bangalore to Mumbai and the journey takes 10 hours. then what is the train's average speed in km per hour?

(a) 100 km/hr
(b) 90 km/hr
(c) 120 km/hr
(d) 80 km/hr

Q12. The product of two numbers 6552 and their HCF is 6. What is the LCM of those numbers?

(a) 1024
(b) 1224
(c) 1084
(d) 1092

Q13. The mean of 20 observations was 42. It was found later that an observation 54 was wrongly taken as 45. The corrected new mean is:

(a) 45.42
(b) 43.5
(c) 44.25
(d) 42.45

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Q14. A sum of Rs. 900 is divided into two parts such that the interest on the first part at 4% simple interest per annum and that on the other part at 2% simple interest per annum are equal. What is the interest accumulated on each part in a year?

(a) Rs. 18
(b) Rs. 6
(c) Rs. 12
(d) Rs. 20

Q15. A fruit seller sells 2/5th part of fruits at a profit of 10% and remaining at a loss of 5%. If the total profit is Rs.1850, then what is the total cost price of fruits?

(a) Rs. 198000
(b) Rs. 205000
(c) Rs. 185000
(d) Rs. 176000

Q16. Selling price of an article is Rs. 520. If loss percentage is 20 percent, then what is the cost price of article?

(a) Rs. 600
(b) Rs. 650
(c) Rs. 700
(d) Rs. 720

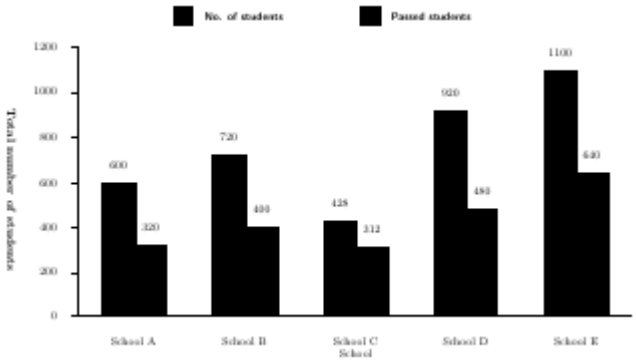
Q17. A woman drives a car. During her journey, she travels 20 minutes at a speed of 60 km/hr, another 30 minutes at a speed of 40 km/hr and 1 hour at a speed of 50 km/hr. The average speed of the car is:

(a) 540/11 kmph
(b) 630/11 kmph
(c) 100/11 kmph
(d) 90/11 kmph

Q18. Evaluate: (92 + 14) ÷ (2 × 53) - 8 + 16

(a) 11
(b) 9
(c) 17
(d) 8

Q19. The following bar graph shows the total number of students who appeared in an exam from five different schools. Approximately how much percent of total students who appeared in the exam are failed?



(a) 57%
(b) 47%
(c) 44%
(d) 54%

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Q20. P alone can complete a work in 25 days and Q alone can complete the same work in 50 days. If both of them work together, then in 12 days what percent work of the total work will be completed?

(a) 80 percent
(b) 72 percent
(c) 48 percent
(d) 60 percent

Q21. 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.

HER : GCM :: TOP : SMK :: PIT : ?

(a) OHO
(b) OGO
(c) OGQ
(d) QGP

Q22. If A denotes 'addition'. B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

(46 D 23) A 17 C 13 = ?

(a) 9
(b) 6
(c) 5
(d) 13

Q23. After interchanging the given two numbers, what will be the value of the given equation?

2 and 3; 5 - 3 ÷ 1 × 2 + 7

(a) 8
(b) 6
(c) 9
(d) 11

Q24. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

PAKC, NDIF, LGGI, JJEL, ?

(a) HMCO
(b) HMCP
(c) HNCO
(d) IMLO

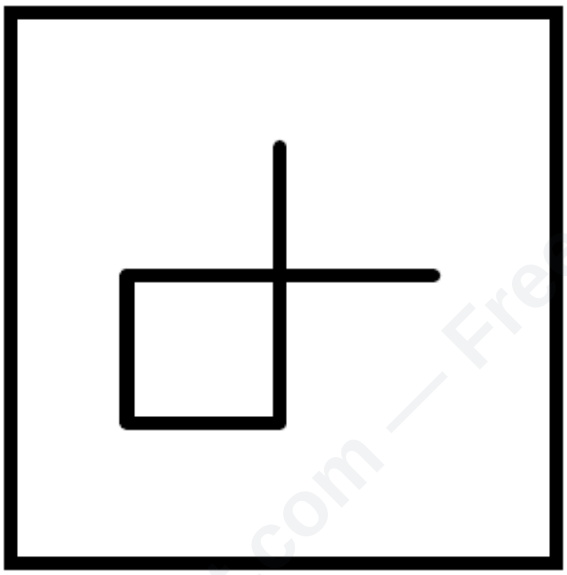
Q25. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

MOL : TIQ :: FIG : MCL :: HAK : ?

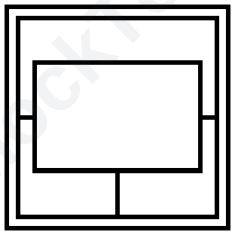
(a) PUQ
(b) PVP
(c) OVP
(d) OUP

Q26. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

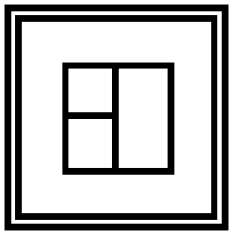
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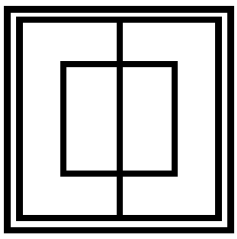
(a)



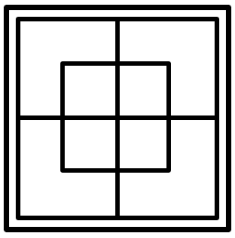
(b)



(c)



(d)



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Q27. Seven teachers Anil, Kamal, Ram, Sanjay, Aakash, Vivek and Rahul are sitting around a circular table facing opposite to the centre (not necessarily in the same order). Sanjay is to the immediate right of Anil. Anil is third to the right of Rahul. Vivek is not the immediate neighbour of Aakash. Kamal is second to the right of Vivek. Who is second to the right of Anil?

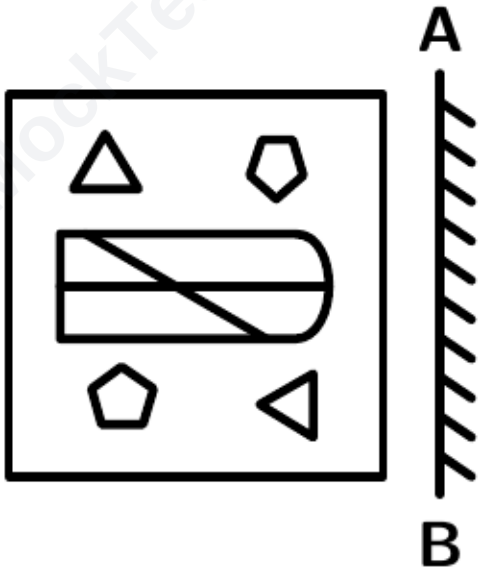
(a) Sanjay
(b) Vivek
(c) Ram
(d) Kamal

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

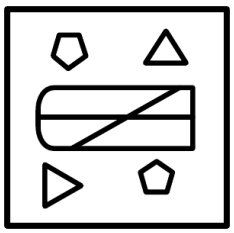
9, 18, 36, 72, 144, ?

(a) 310
(b) 280
(c) 288
(d) 290

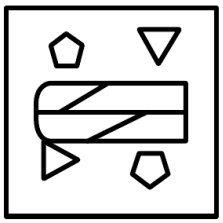
Q29. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



(a)

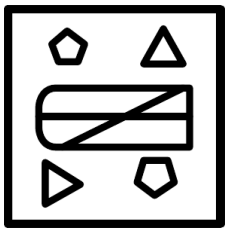


(b)

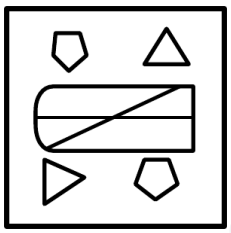


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(c)



(d)



Q30. In a certain code language, 'KG' is written as 'MJ'. How will 'EI' be written in that language?

(a) RJ
(b) JS
(c) GL
(d) RS

Q31. 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 R are Q

II. All Q are G.

Conclusion:

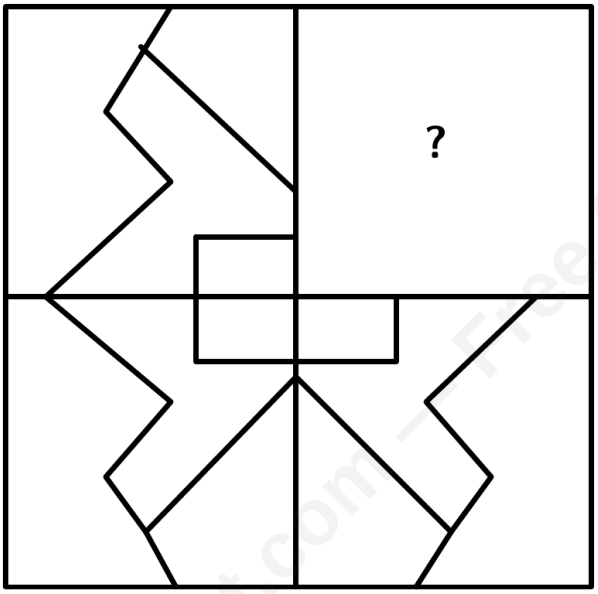
I. All G are R.

II. No Q is R.

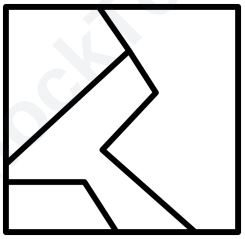
(a) Only conclusion I follows
(b) Neither conclusion follows
(c) Only conclusion II follows
(d) Both conclusions I and II follows

Q32. Which answer figure will complete the pattern in the question figure?

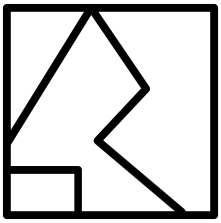
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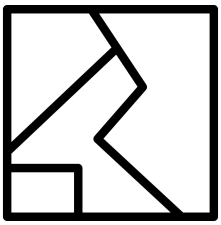
(a)



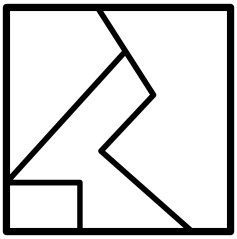
(b)



(c)



(d)



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Q33. Eight girls Mansi, Shweta, Monika, Payal, Aarti, Kajal, Laxmi and Rani are sitting around a circular table facing towards the centre (not necessarily in the same order). Mansi is third to the right of Shweta. Shweta is second to the right of Rani. Kajal is fourth to the right of Payal. Payal is to the immediate left of Rani. Laxmi is second to the left of Rani. Monika is immediate neighbour of both Rani and Shweta. Who is third to the left of Monika?

(a) Shweta
(b) Laxmi
(c) Kajal
(d) Aarti

Q34. 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.

9 : 727 :: 8 : 510 :: 4 : ?

(a) 58
(b) 60
(c) 67
(d) 62

Q35. In the following question, select the missing number of the given series.

5, 9, 17, 33, 65, ?

(a) 140
(b) 130
(c) 129
(d) 128

Q36. 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)

(80, 5, 16)

(90, 9, 10)

(a) (140, 7, 20)
(b) (40, 3, 10)
(c) (200, 20, 25)
(d) (50, 5, 20)

Q37. In a certain code language, 'GLOBAL' is coded as 'EJMZYJ". What is the code for 'HONEST' in that code language?

(a) FNLCQR
(b) FMLCQR
(c) FMLCQS
(d) FMLDQR

Q38. In a certain code language, 'MOVIES' is written as 'PRYFBP'. How will 'JACKSY' be written in that language?

(a) MDFHVP
(b) MDFVPH
(c) MDFHPV
(d) MFDHPV

Q39. Speed of six bikes T1, T2, T3, T4, T5 and T6 are compared. Speed of T6 is more than only three bikes. No two bikes have same speed. Speed of T4 is more than T2 but less than T6. Speed of T3 is not less than T5. Speed of T2 is not least. Speed of which bikes can be more than T4?

I. T3

II. T1

(a) Only II
(b) Only I
(c) Neither I nor II

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(d) Both I and II

Q40. 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 A are G.

II. Some M are G.

Conclusion:

I. Some G are A.

II. Some G are M.

III. All M are A.

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

SESSION 2

Q41. With which neighbouring country does India share most of the western border?

(a) Myanmar
(b) Bhutan
(c) China
(d) Pakistan

Q42. Which of the following factors affect distribution of population?

I. Climate

II. Soil

III. Topography

IV. Water

(a) II and IV
(b) I, III and IV
(c) I and III
(d) I, II, III, and IV

Q43. Brij Bhushan Kabra is associated with which of the following musical instruments?

(a) Shehnai
(b) Guitar
(c) Violin
(d) Flute

Q44. Sanskrit is a part of a family of languages known as _____.

(a) Indo-European
(b) Indo-Asian
(c) Indo-Tibetan
(d) Indo-Dravadian

Q45. Data Protection Bill 2021 ensures which fundamental right?

(a) Right to Education
(b) Right to Information Technology
(c) Right to Freedom of Speech
(d) Right to Privacy

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Q46. Kelucharan Mohapatra is a famous personality associated with which of the following dance forms?

(a) Odissi
(b) Kathak
(c) Chhau
(d) Manipuri

Q47. Which among the following occur when two tectonic plates are moving past each other with different speeds?

(a) Drought
(b) Earthquake
(c) Hurricane
(d) Blizzard

Q48. Which of the following architecture is a memorial of Aurangzeb's wife, Dilras Banu Begum?

(a) Jama Masjid
(b) Bibi Ka Maqbara
(c) Shah Begum's Tomb
(d) Taj Mahal

Q49. What is the minimum age a person should be if he/she is willing to be appointed as the Governor of a state in India?

(a) 28 years
(b) 30 years
(c) 35 years
(d) 40 years

Q50. The force exerted by a charged body on another charged or uncharged body is known as _____.

(a) angular force
(b) electrostatic force
(c) pressure
(d) muscular force

Q51. Article 19-22 of the Indian Constitution deals with which of the following fundamental rights?

(a) Right to Freedom of Religion
(b) Right to Freedom
(c) Right against Exploitation
(d) Right to Equality

Q52. Kobe Bryant was a famous player of _____ sport.

(a) Basketball
(b) Cricket
(c) Rugby
(d) Lawn Tennis

Q53. The Chief Minister of which of the following states launched the common credit portal - Simplified Application for Agricultural Loans (SAFAL) to increase farmers' access to loans'?

(a) Odisha
(b) Maharashtra
(c) West Bengal
(d) Bihar

Q54. During which freedom struggle movement, Mahatma Gandhi Ji gave the call for "Do or Die"?

(a) Khilafat movement
(b) Non-cooperation movement
(c) Dandi March
(d) Quit India movement

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Q55. Which city in India is associated with the tea industry?

(a) Panipat, Haryana
(b) Ahmedabad, Gujarat
(c) Darjeeling, West Bengal
(d) Madurai, Tamil Nadu

Q56. Every year, Halloween is celebrated on _____.

(a) 24^(th) November
(b) 25^(th) December
(c) 1^(st) October
(d) 31^(st) October

Q57. Who wrote the book " A Brief History of Time"?

(a) Stephen Hawking
(b) Albert Einstein
(c) John Watson
(d) Neil Degrasse Tyson

Q58. Who among the following was the first Biologist who discovered cells?

(a) Robert Hooke
(b) Rosalind Franklin
(c) Gregor Mendel
(d) Charles Darwin

Q59. Which dancer won the Padma Shri in the arts category for the ancient dance form, Sathir?

(a) Kaushalya Reddy
(b) Manjamma Jogati
(c) R Muthukannamal
(d) Tripti Tiwari

Q60. The Ilbert Bill provided for _____.

(a) Strict punishment to Nationalist
(b) Equality between British and Indian Judges
(c) Reforms in Military system
(d) Reforms in education system

Q61. Which among the following plant kingdoms are divided into liverworts and mosses?

(a) Pteridophytes
(b) Bryophytes
(c) Sphenopsida
(d) Spermatophyta

Q62. Alivardi Khan was followed by _____ as the Nawab of Bengal.

(a) Sirajuddaulah
(b) Murshid Quli Khan
(c) Sarfaraz Khan
(d) Shuja ud-Daula

Q63. Who was the first Indian, and Asian, tennis player to win an Olympic medal?

(a) Ankita Raina
(b) PV Sindhu
(c) Purav Raja
(d) Leander Paes

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Q64. NABARD is an apex finance institution set up by the Indian Government in 1982. What does 'R' in NABARD stand for?

(a) Rural
(b) Rank
(c) Regulatory
(d) Right

Q65. The Gandhisagar dam of Madhya Pradesh is built over which of the following rivers?

(a) Chambal
(b) Benas
(c) Kaveri
(d) Ravi

Q66. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

In ones and twos

(a) In small numbers
(b) By unfair means
(c) Large margin
(d) To count resources

Q67. Select the word from the options which is exactly opposite in meaning to the bracketed word given in the sentence below.

Having an (active) youngster around the house can be quite wearing.

(a) Progressive
(b) Streaming
(c) Bustling
(d) Abeyant

Q68. Choose the word that can substitute the given group of words.

A place for wrestling

(a) Cemetery
(b) Hangar
(c) Premise
(d) Arena

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

There were a time when scientists took this myth seriously.

(a) No error
(b) There were a time
(c) when scientists took
(d) this myth seriously.

Q70. The statement below has been given with bracketed text. Select the option with correct Idiom for the bracketed text.

History certainly gives you (something to think about), doesn't it?

(a) food for thought
(b) cup of Joe
(c) golden handshake
(d) forty winks

Q71. 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.

(Those Mount Everests) is Earth's highest mountain above sea level, located in the sub-range of the Himalayas.

(a) The Mount Everest

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(b) Mount Everest
(c) No correction required
(d) A Mount Everest

Q72. Direction: Fill in the blank with the most appropriate option.
The story _____ me to make up fancy names for myself.
(a) declared
(b) activated
(c) told
(d) inspired

Q73. Direction: Fill in the blank with the most appropriate option.
Even the rules for spelling can cause you to _____.
(a) do a mistake
(b) happen a mistake
(c) have a mistake
(d) make a mistake

Q74. Direction: Choose the word that is opposite in meaning to the given word.
Hyped
(a) Dilate
(b) Upped
(c) Reduced
(d) Parlayed

Q75. Direction: Fill in the blank with the most appropriate option.
She is _____, always submits her assignments on time.
(a) late
(b) punctual
(c) scheduled
(d) tardy

Q76. Direction: Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.
(a) His performance exceeded all expectations.
(b) He was arrested for drunkeness on his way to the football ground.
(c) A dumbbell is a short bar with weigts on either side.
(d) He was quite humorus, and I liked that about him

Q77. Direction: Select the word from the options which is similar in meaning to the bracketed word given in the sentence below.
He maliciously (damaged) a car with a baseball bat.
(a) Mended
(b) Loaded
(c) Corrupted
(d) Marred

Q78. Direction: Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.
The Bank of New York has increased (interest rates four times from last January.)
(a) interest rates four times since last January.
(b) the interest rates four time from last January.
(c) No substitution required
(d) interest rates from last January, four times.

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Q79. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The dress is too tights around the waist.

(a) too tightly
(b) No improvement
(c) too tightest
(d) too tight

Q80. Direction: Select the most appropriate synonym of the given word.

Opposite

(a) Noticeable
(b) Conspicuous
(c) Antagonistic
(d) Similar

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

(a) APPARENT
(b) PLEGE
(c) AQUIRE
(d) CALENDER

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

I often feel I am an _____, that I would be more at home at the turn of the century than today.

(a) anachronism
(b) analogous
(c) apathy
(d) avarice

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

An inscription on or at a tomb or a grave

(a) Ode
(b) Imprint
(c) Epitaph
(d) Carving

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

Sorry I will be late as a flight / has been delayed due / to bad weather.

(a) No error
(b) Sorry I will be late as a flight
(c) to bad weather.
(d) has been delayed due

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

Here, in truth, lies / the crux of the / great problem of all.

(a) great problem of all.
(b) No error
(c) Here, in truth, lies
(d) the crux of the

Directions

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

Workers' compensation benefits in Pennsylvania should pay for your medical ____ (1) __ and a portion of your lost wages. However, you cannot be __ (2) __ for pain and suffering or other non-financial damages that your illness or injury may __ (3) __

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you. A personal injury or wrongful death lawsuit, on the other hand, __ (4) __ compensation for the ill worker or surviving family members. If someone __ (5) ____ your employer or a co-worker was to blame for your illness, you could pursue such a claim.

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

(a) states
(b) regulations
(c) bills
(d) rules

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

(a) repudiated
(b) paid
(c) stiffed
(d) signed

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

(a) cause
(b) has caused
(c) have caused
(d) causing

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

(a) hosts
(b) allows
(c) hovers
(d) boasts

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

(a) beyond
(b) along
(c) besides
(d) beside

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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