SSC MTS (2022) Official Paper (Held On: 17 May, 2023 Shift 1) (Previous Year Paper)

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

Take this paper as a timed mock test

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

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SESSION 1

Q1. A sum of Rs. 120 is divided among p, q and r in such a way that p gets Rs. 9 more than q and q gets Rs. 6 more than r. what is the ratio of shares of p, q and r respectively?

(a) 18 : 15 : 13
(b) 15 : 12 : 10
(c) 16 : 13 : 11
(d) 11 : 8 :10

Q2. If 2A = 3B = 7C, then what is the value of A : B : C ?

(a) 3 : 2 : 1
(b) 21 : 14 : 6
(c) 21 : 7 : 6
(d) 14 : 18 : 5

Q3. A solid cylinder having radius of base as 28 cm and height as 24 cm is bisected from is height to get two identical cylinders. What will be the percentage increase in the total surface area?

(a) 61.72 percent
(b) 41.92 percent
(c) 53.85 percent
(d) 48.64 percent

Q4. 56 persons can repair a bridge in 20 days. If 14 more people join them, then how many days bridge can be repaired?

(a) 18 days
(b) 12 days
(c) 16 days
(d) 14 days

Q5. A shopkeeper allows 20 percent discount on the marked price of an article and he suffers a loss of 12 percent. If the article is sold at marked price, then what will be the profit percentage?

(a) 10 percent
(b) 12.5 percent
(c) 9.69 percent
(d) 8.33 percent

Q6. A sum of Rs. 14500 will become Rs. 16675 in 36 months at some rate of simple interest. What is the rate of interest per annum?

(a) 6% per annum
(b) 5% per annum
(c) 4% per annum
(d) 7% per annum

Q7. At what rate of compound interest (compounding annually) per annum will a sum of Rs. 250000 becomes Rs. 275625 in 2 years?

(a) 8% per annum
(b) 3% per annum
(c) 10% per annum
(d) 5% per annum

Q8. A man starts from a place A and reaches the place B in 50 hours. He travels 1/4 distance at the speed of 5 km/hr and the remaining distance at the speed of 15 km/hr. What is the distance between A and B?

(a) 525 km
(b) 500 km
(c) 375 km
(d) 425 km

Q9. 18 men can complete a work in 50 days, If 25 men are employed, then in how many days the work will be completed?

(a) 25 days
(b) 48 days
(c) 36 days
(d) 32 days

Q10. If the LCM of two numbers 260 and 390 is 780, then find the HCF.

(a) 140
(b) 133
(c) 130
(d) 120

Q11. The height and curved surface area of the cylinder are 15 cm and 330 cm^2. Find the diameter of the cylinder.

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

Q12. A shopkeeper sells 105 m of cloth for Rs. 12600 at the profit of Rs. 20 per meter of cloth. What is the cost price of 20 m cloth?

(a) Rs. 4000
(b) Rs. 2000
(c) Rs. 1000
(d) Rs. 3000

Q13. What is the value of 44 ÷ 11 × 4 + 5 × 8 ÷ 4 - 7 × 36 ÷ 14 + 7 × 4 ?

(a) 33
(b) 24
(c) 28
(d) 36

Q14. The length, breadth, height of a room are 6 m 40 cm, 4 m 80 cm and 3 m 20 cm respectively. Find the longest tape which can measure the dimensions of the room exactly.

(a) 1 m 80 cm
(b) 1 m 20 cm
(c) 1 m 60 cm
(d) 1 m 40 cm

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Q15. Average of 11 numbers is 8. If every number is tripled, then what will be the new average of the numbers?

(a) 8
(b) 24
(c) 16
(d) 32

Q16. Kartik takes 4 hours to travel from place X to place Y at the speed of 80 km/hr. He takes 1 hour to travel from place Y to place Z with 80% increased speed. What is the average speed from Place X to Z for the complete journey?

(a) 82.6 km/hr
(b) 90.8 km/hr
(c) 92.8 km/hr
(d) 88.6 km/hr

Q17. The table given below shows the number of bikes of 5 different types sold by two companies.

	Company	
Bikes	C1	C2
A	50	80
B	30	40
C	70	90
D	80	110
E	100	140

Which of the following statement is correct?

I. Ratio of number of bike A sold by C1 to the number of bike D sold by C2 is 5 : 11.

II. The average number of bikes A, B, D and E sold by C1 are 75.

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

Q18. A person loses 20 percent on selling 80 pens for Rs. 40. What should be the selling price of 80 pens to earn a profit of 10 percent?

(a) Rs. 80
(b) Rs. 60
(c) Rs. 55
(d) Rs. 65

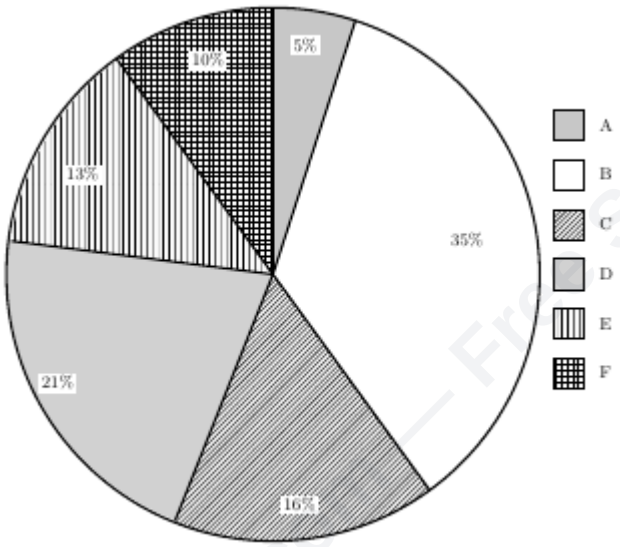
Q19. A number is increased by 5% and then the increased number is decreased by 5%. What is net increase or decrease percent?

(a) 0.25% decrease
(b) 0.75% increase
(c) 1% increase
(d) 0.50% decrease

Q20. The pie chart given below shows the number of students studying in six schools. Total number of students studying in all these six schools are 9000.

Number of students studying in a particular school is shown as a percentage of total number of student studying in all these six schools.

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What is the difference between the number of students studying in school A and B together and school D and F together?

(a) 790
(b) 810
(c) 770
(d) 840

Q21. Seven persons 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). Vivek is the immediate neighbour of both kamal and Rahul. Kamal is second to the left of Aakash, Anil is the immediate neighbour of both Aakash and Sanjay. Who is second to the right of Sanjay?

(a) Vivek
(b) Anil
(c) Aakash
(d) Kamal

Q22. In a certain code language, 'WALL' is written as '24'. How will 'FLOOR' be written in that language?

(a) 43
(b) 33
(c) 66
(d) 23

Q23. 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. No N is A.

II. All A are T.

Conclusions:

I. Some T are A.

II. Some N are T.

III. No A is N.

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

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Q24. 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. No chair is solid.

II. No table is solid.

Conclusion:

I. Some table are chair.

II. No solid is chair.

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

Q25. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

APCE, DSYA, GVUW, JYQS, ?

(a) BMMO
(b) NBMO
(c) MBMO
(d) NBNO

Q26. After interchanging the given two signs and two numbers, what will be the value of the given equation?

• and -, 7 and 9 ; 8 × 7 + 9 ÷ 1 - 5

(a) 70
(b) 60
(c) 40
(d) 10

Q27. In the following question, select the missing number of the given series.

10, 4, 3, 3.5, 6, ?

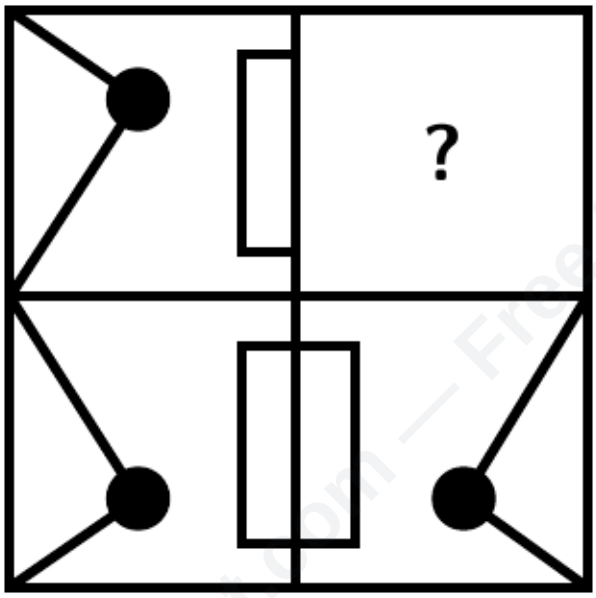
(a) 9
(b) 14
(c) 10
(d) 12

Q28. 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 Riya?

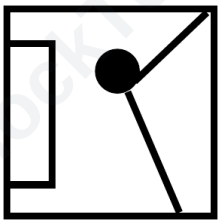
(a) 2
(b) 1
(c) 0
(d) 3

Q29. Which answer figure will complete the pattern in the question figure?

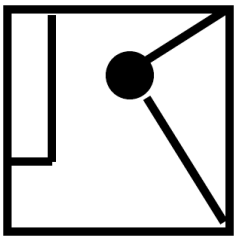
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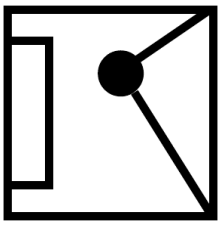
(a)



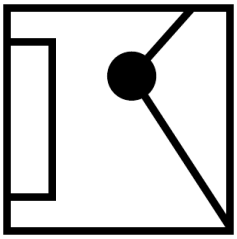
(b)



(c)



(d)



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Q30. Which two signs should be interchanged to make the given equation correct?

44 ÷ 11 + 7 × 3 - 19 = 2

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

Q31. Words given on the left side of (::) are related with each other by some Logic / Rule / Relation. Select the missing word / word pair on the right side of (::) from the given alternatives based on the same Logic / Rule / Relation.

Vienna : Austria :: ?

(a) Thimphu : Bhutan
(b) Kenya : Nairobi
(c) Pakistan : Islamabad
(d) Russia : Moscow

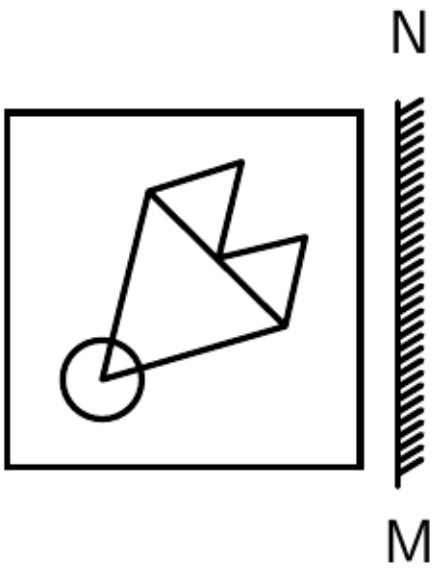
Q32. In a certain code language, 'ASKING' is coded as 'SAIKGN'. What is the code for 'DECIDE' in that code language?

(a) EDICED
(b) EDICDE
(c) EDCIDE
(d) EDIBED

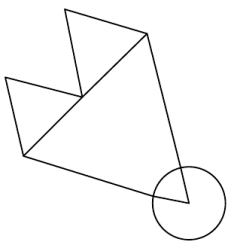
Q33. In a certain code language, 'FOREIGN' is written as 'EFGINOR'. How will 'NUCLEAR' be written in that language?

(a) ACELNRU
(b) ACELRUN
(c) ACELNUR
(d) AECLNRU

Q34. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.

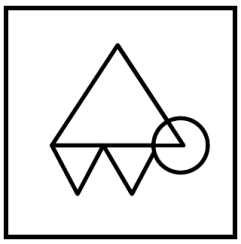


(a)

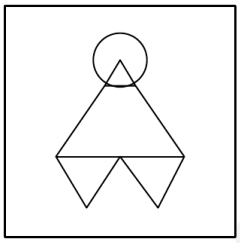


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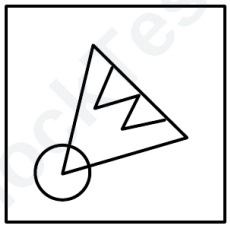
(b)



(c)



(d)



Q35. Words given on the left side of (::) are related with each other by some Logic / Rule / Relation. Select the missing word / word pair on the right side of (::) from the given alternatives based on the same Logic / Rule / Relation.

Hygrometer : Humidity :: Anemometer : ?

(a) Wind
(b) Temperature
(c) Length
(d) Current

Q36. Select the option that is related to the third number in the same way as the second number is related to the first number.

7 : 56 :: 12 : ?

(a) 165
(b) 156
(c) 256
(d) 110

Q37. Which of the following numbers will replace the question mark (?) in the given series?

25, 36, 49, 64, 81, 100, 121, 144, 169, ?

(a) 342
(b) 204
(c) 256
(d) 196

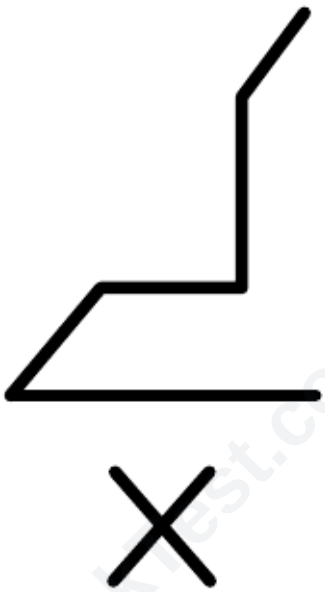
Q38. Six teachers Anil, Kamal, Ram, Sanjay, Aakash and Vivek are sitting around a circular table facing towards the centre (not necessarilly in the same order). Ram is third to the right of vivek. vivek is second to the right of Anil. Aakash is to the immediate right of Anil. Kamal is not the immediate neighbour of Vivek. Who is the immediate neighbor of Kamal and Vivek both?

(a) Anil
(b) Ram

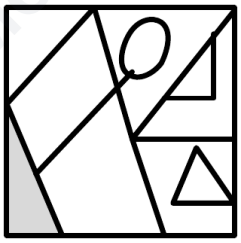
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(c) Sanjay
(d) Aakash

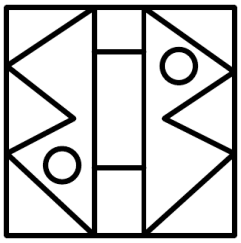
Q39. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



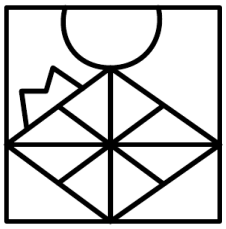
(a)



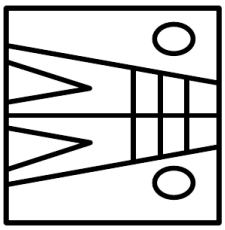
(b)



(c)



(d)



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Q40. 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)

(5, 50, 500)

(3, 30, 300)

(a) (11, 110, 2200)
(b) (7, 70, 700)
(c) (14, 140, 1500)
(d) (12, 220, 440)

SESSION 2

Q41. _____ is known as the cultivation of trees and shrubs.

(a) Viticulture
(b) Aviculture
(c) Arboriculture
(d) Apiculture

Q42. How many total medals were won by India at Tokyo Olympics 2020 (played in 2021)?

(a) Five
(b) Seven
(c) Six
(d) Eight

Q43. Festival of "Ugadi" is celebrated every year on the first day of the Hindu month _____.

(a) Chaitra
(b) Asadha
(c) Jyaistha
(d) Kartika

Q44. Union Government's "PAHAL Scheme" is related to _____.

(a) Girl Scholarship
(b) Medical Subsidy
(c) LPG Subsidy
(d) Bathroom Construction

Q45. The technique of watering plants by making use of narrow tubes which deliver water directly at the base of the plant is called _____.

(a) sprinkler irrigation
(b) canal irrigation
(c) drip irrigation
(d) surface irrigation

Q46. Water comes out of the leaves in the form of vapour by a process called _____.

(a) creepers
(b) transportation
(c) venation
(d) transpiration

Q47. Motilal Nehru, C.R. Das gave up their legal practices during which Movement?

(a) Self - respect Movement
(b) Quit India Movement
(c) Non - Cooperation Movement

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(d) Civil Disobedience Movement

Q48. India shares its border with Afghanistan and Pakistan to the _____.

(a) north - east
(b) north - west
(c) south
(d) south - west

Q49. V. Satyanarayana Sarma known as 'Satyam' is associated with which of the following dance forms?

(a) Bharatnatyam
(b) Kathakali
(c) Kuchipudi
(d) Mohiniyattam

Q50. Rainfall is measured by an instrument called the _____.

(a) rain gauge
(b) rain catcher
(c) rain calculator
(d) precipitator

Q51. Who was popularly known as the Melody Queen in India?

(a) Zarin S Sharma
(b) Lata Mangeshkar
(c) Shubha Mudgal
(d) Anuradha Paudwal

Q52. Which force is responsible for deflecting winds towards the right and left in northern and southern Hemisphere respectively?

(a) Magnetic force
(b) Coriolis force
(c) Gravitational force
(d) Frictional force

Q53. Durand Cup was founded in the year _____ in Shimla.

(a) 1858
(b) 1888
(c) 1878
(d) 1868

Q54. Which act has been amended by the Supreme Court of India to provide equal rights to daughters in their ancestral property?

(a) The Contempt of Courts Act
(b) Hindu Succession Act
(c) Hindu Marriage Act
(d) Sarda Act

Q55. Engineer's Day in India is celebrated in the memory of _____.

(a) Kalpana Chawla
(b) Dr. M. Visvesvaraya
(c) Satish Dhawan
(d) A.P.J Abdul Kalam

Q56. According to 2011 Census, among the following states which has the highest population density?

(a) Maharashtra
(b) Bihar
(c) Uttar Pradesh

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(d) Tamil Nadu

Q57. Founder of the Rashtrakuta Dynasty was _____.

(a) Govinddurga
(b) Krishnadurga
(c) Dantidurga
(d) Amoghavarsha

Q58. National Institute of Kathak dance is located in _____.

(a) Meerut
(b) Varanasi
(c) Lucknow
(d) New Delhi

Q59. The Deccan Riots of 1875 took place in _____.

(a) Himachal Pradesh
(b) Bihar
(c) West Bengal
(d) Maharashtra

Q60. As announced in the Budget 2022, the corporate surcharge was reduced from 12% to _____.

(a) 10%
(b) 7%
(c) 9%
(d) 5%

Q61. "One Life is Not Enough" is written by which of the following authors?

(a) K. Natwar Singh
(b) Jhumpa Lahiri
(c) Faraz Ahmad
(d) Khushwant Singh

Q62. Kalinga that was conquered by Ashoka is the ancient name of _____.

(a) Coastal Orissa
(b) Coastal Karnataka
(c) Coastal Bengal
(d) Coastal Tamil Nadu

Q63. The materials through which objects can be seen, but not clearly are known as _____.

(a) conducting materials
(b) translucent materials
(c) transparent materials
(d) opaque materials

Q64. "Gopuram" or temple entrance is a feature of which temple architecture?

(a) South Indian temple architecture
(b) Buddhist architecture
(c) Jain architecture
(d) North Indian temple architecture

Q65. In which of the following articles, "Culture and Educational Rights" are mentioned?

(a) Article 25 - 28
(b) Article 23 - 24
(c) Article 19 -22
(d) Article 29 - 30

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Q66. Direction: Choose the word that can substitute the given group of words.

To renounce a throne

(a) Avow
(b) Abort
(c) Assert
(d) Abdicate

Q67. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I have _____ to understand your problem.

(a) beginning
(b) began
(c) begin
(d) begun

Q68. Direction: Select the most appropriate option to fill in the blank.

I am just saying that maybe you are letting emotion _____ your better judgment right now.

(a) clamp
(b) cloud
(c) clog
(d) finger

Q69. Direction: Select the appropriate antonym for the underlined word.

Many children still do not have access to quality education that will harness their inherent abilities and talent.

(a) direct
(b) exploit
(c) handle
(d) misapply

Q70. Direction: Choose the word that can substitute the given group of words.

A place where fruit trees are grown

(a) Orchard
(b) Dyke
(c) Botanical
(d) Cemetery

Q71. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The rise in temperature disturbs the rain cycle.

(a) was disturbed the rain order
(b) disturb the rainy cycle
(c) No improvement
(d) disturbing the rain cycle

Q72. Direction: In the following question, out of the given four alternatives. Select the alternative which best expresses the meaning of the Idiom / Phase.

To fly into a rage

(a) To harm oneself
(b) To get very angry
(c) To make inappropriate gestures
(d) To be very excited

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Q73. 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'.

Some of them were nearly (as hard as ligament, and many an inch in length).

(a) as hard as ligaments, and many were an inch long
(b) No substitution required
(c) hard as ligament, and many an inch at length
(d) as hard as a ligament, and many an inches in length

Q74. Direction: Select the most appropriate option to fill in the blank.

His _____ of smoking in restaurants created a lot of issues in New York.

(a) hatred
(b) reputation
(c) orbit
(d) habit

Q75. Direction: Select the appropriate synonym for the underlined word.

There are actually many different versions of "Cinderella."

(a) Problems
(b) Features
(c) Variations
(d) Signals

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

The small amount of fusion fuel _____ to be heated to huge temperatures.

(a) needing
(b) need
(c) needs
(d) needful

Q77. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

His struggles were becoming / more and more frenzier,/ with a wild look creeping into his blue eyes.

(a) His struggles were becoming
(b) more and more frenzier,
(c) No error
(d) a wild look creeping into his blue eyes.

Q78. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

I have work in the morning, but I is freer in the afternoon.

(a) is freed
(b) No improvement
(c) am frees
(d) am free

Q79. Direction: Choose the word that is opposite in meaning to the given word.

Suspicion

(a) Niggle
(b) Tremor
(c) Conviction
(d) Incertitude

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Q80. Direction: Choose the incorrectly spelt word.

(a) Loss
(b) Losare
(c) Local
(d) Loose

Q81. Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the idiom / Phrase.

To button one's lips

(a) To rain heavily
(b) To advance in harmony
(c) To keep silence
(d) To kidnap somebody

Q82. Direction: Choose the word that means the same as the given word.

Backstab

(a) Bleary
(b) Berate
(c) Betray
(d) Blare

Q83. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Largest farmers usually have more money, social power and local influence.

(a) Largest farmers usually
(b) No error
(c) have more money, social power
(d) and local influence.

Q84. Direction: Choose the sentence with no spelling errors.

(a) We can't blame a bad goverment budget.
(b) We can't blame a bad governmnet budget
(c) We can't blame a bad government budget.
(d) We can't blamme a bad government budget.

Q85. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I want all the culprits to be punished immediate.

(a) the culprits to
(b) No error
(c) I want all
(d) be punished immediate.

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.

An 'occupational disease' is any disease ____ (1) __ primarily by exposure at work __ (2) __ a physical, organisational, chemical or biological risk __ (3) __ or to a combination of these factors. Occupational diseases are __ (4) __ those listed in national legislation as resulting from exposure to risk factors at __ (5) ____.

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

(a) abated
(b) caused
(c) posed
(d) flawed

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

(a) in
(b) on
(c) of
(d) to

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

(a) exposure
(b) part
(c) maker
(d) factor

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

(a) radically
(b) oddly
(c) mostly
(d) manually

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

(a) work
(b) bank
(c) office
(d) home

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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