SSC MTS (2022) Official Paper (Held On: 15 Jun, 2023 Shift 3) (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. In what ratio sugar of Rs. 30 per kg should be mixed with sugar of Rs. 40 per kg so that the mixture is worth Rs. 37 per kg?

(a) 8 : 9
(b) 3 : 7
(c) 9 : 5
(d) 4 : 3

Q2. A certain amount of money is divided among A, B and C is in the ratio of 3 : 2 : 5. How much money will C get out of Rs 126?

(a) Rs. 63
(b) Rs. 66
(c) Rs. 62
(d) Rs. 43

Q3. One of the diagonals of a rhombus is 70 percent of the other diagonal. What is the ratio of the area of rhombus to the square of the length of the larger diagonal?

(a) 20 : 7
(b) 5 : 17
(c) 6 :19
(d) 7 : 20

Q4. If the radius of a cylinder is decreased by 16 percent, then by how much percent its height must be increased, so that the volume of the cylinder remains same?

(a) 32.96 percent
(b) 45.28 percent
(c) 36.43 percent
(d) 41.72 percent

Q5. What will be the HCF of 0.25 and 1.25?

(a) 1.25
(b) 2.5
(c) 0.5
(d) 0.25

Q6. Marked price of a car is Rs. 600000. Rahul buys that car at two successive discounts of 30 percent and 20 percent. If after using the car, he sells the car for Rs. 478000, then what is the profit percentage?

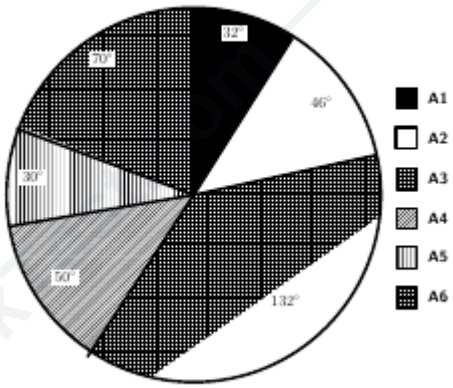
(a) 36.85 percent
(b) 33.33 percent
(c) 39.87 percent
(d) 42.26 percent

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Q7. What is the value of (91+13 of (45÷ 21× 14÷5)-22× 4)/(42× 21÷ 168× 2)-(66 of 15 ÷ 90) ?

(a) -162
(b) -81
(c) -172
(d) -144

Q8. The pie chart given below shows the price of 6 different articles. The total price of all these 6 articles is 5040. The price of a particular article is shown in terms of degree with respect to the total price of all these 6 articles.



Which of the following statement is NOT correct?

I. The total price of A1, A2, A4 and A6 is 2772.

II. The difference between the total price of A3 and A5 together and the total price of A4 and A6 together is 488.

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

Q9. If a sum is invested at simple interest, then it becomes 3/2 of itself in 4 years. What is the annual rate of interest?

(a) 6.5 percent
(b) 12.5 percent
(c) 17.5 percent
(d) 10 percent

Q10. A number is increased by 20% and then the increased number is decreased by 20%. The net increase or decrease is:

(a) Decrease 2%
(b) Increase 2%
(c) Decrease 4%
(d) Increase 4%

Q11. Population of a town increases at the rate of 20 percent per annum. If the population of town will be 69,120 after 2 years, then what is the present population of the town?

(a) 48000
(b) 36000
(c) 40000
(d) 42000

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Q12. B and C can complete a work alone in 10 days and 30 days respectively. They began the work together but B left the work after some days and C completed the remaining work in 10 days. After how many days from the beginning B left the work?

(a) 4 days
(b) 5 days
(c) 6 days
(d) 8 days

Q13. 40 percent of selling price of a fan is equal to 4/5 of the cost price of the fan. What is the profit percent?

(a) 125 percent
(b) 100 percent
(c) 150 percent
(d) 120 percent

Q14. A runner starts running from a point at 5 : 00 am at the speed of 10 km/hr. Second runner starts from the same from the same point at 8 : 00 am in the same direction with a speed of 15 km/hr. At what time of of the day will the second runner will overtake the first runner?

(a) 12 : 30 pm
(b) 2 : 00 pm
(c) 12 : 00 pm
(d) 1 : 00 pm

Q15. A bus travels 60 km is first hour, 40 km is second hour and 50 km in third hour. What is the average speed of the bus?

(a) 50 km/hr
(b) 60 km/hr
(c) 55 km/hr
(d) 45 km/hr

Q16. After working for 20 days, Shikha finds that only 20 percent of the work is done, She employs Tina who is 100 percent more efficient than Shikha. in how many days Tina alone can complete the whole work?

(a) 60 days
(b) 30 days
(c) 40 days
(d) 50 days

Q17. Average of 40 results is 15. If 5 is subtracted from each result, then what will be the new average of the results?

(a) 15
(b) 12
(c) 10
(d) 11

Q18. A shopkeeper sells an article at 20 percent profit. If he had bought it at 10 percent less price and sold it for Rs. 48 less, then he would have earned a profit of 20 percent. What is the cost price of the article?

(a) Rs. 400
(b) Rs. 460
(c) Rs. 340
(d) Rs. 520

Q19. The given table shows the data regarding the number of medals won by four different countries in Asian games in the year 2016. The ratio of number of silver medals won by China to the number of gold medals won by India is:

Country	Gold Medals	Silver Medals	Bronze Medals
China	31	36	36
India	18	22	28

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Russia	26	16	25
Japan	10	18	15

(a) 3 : 2
(b) 2 : 1
(c) 5 : 9
(d) 4 : 9

Q20. What is that least perfect square, which is exactly divisible by each of 12, 84 and 24?

(a) 2304
(b) 7056
(c) 11664
(d) 1764

Q21. Select the option that is related to the third word in the same way as the second word is related to the first word.

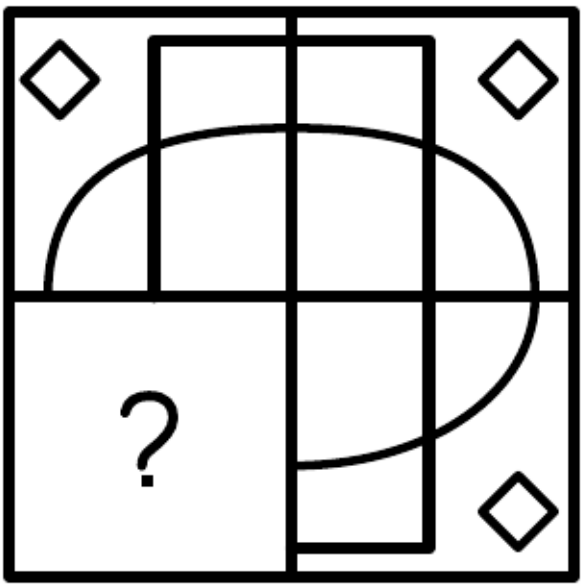
Jaundice : Liver :: Tuberculosis : ?

(a) Leg
(b) Lungs
(c) Heart
(d) Stomach

Q22. Eight players Anil, Kamal, Ram, Sanjay, Aakash, Vivek, Rahul and Ramu are sitting around a circular table facing towards the centre (not neccesarily 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 the second to the right of Ramu?

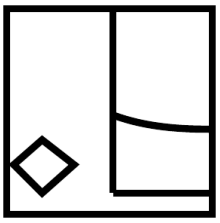
(a) Kamal
(b) Vivek
(c) Sanjay
(d) Rahul

Q23. Which answer figure will complete the pattern in the question figure?

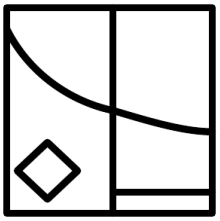


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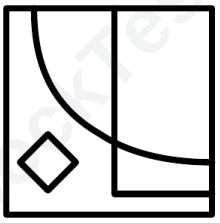
(a)



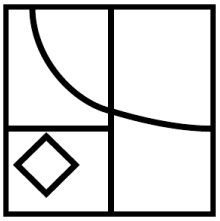
(b)



(c)



(d)



Q24. In a certain code language, 'SPEAKER' is coded as '2613517', 'TACKLE' is coded as '934501'. What is code for 'PEACE' in the that code language?

(a) 51341
(b) 61241
(c) 62342
(d) 61341

Q25. In a certain code language, 'CASHEW' is written as 'WEHSAC'. How will 'FLORAL' be written in that language?

(a) LAROFL
(b) LAROLF
(c) ALROLF
(d) LAORLF

Q26. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

8 B 4 A 7 C 21 = ?

(a) 18
(b) 21
(c) 26
(d) 16

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Q27. Among five girls Anju, Bittu, Charul, Drishti and Sara, Who are of different ages. Anju is younger than only Drishti and Sara. Sara is younger to Drishti and older than Bittu. Charul is youngest. Who is the fourth oldest?

(a) Sara
(b) Dristhti
(c) Bittu
(d) Charul

Q28. Five men namely Bob, Bran, Bot, Batista and Brian are sitting in a circle facing the centre. Brian is sitting to the immediate left of Bot and the immediate right of Bob. Batista sits second to the left of Brian. Who sits to the immediate right of Bran?

(a) Batista
(b) Bot
(c) Bob
(d) Brian

Q29. Which of the following letter cluster will replace the question mark (?) in the given series?

VY, ZC, DG, HK, ?

(a) LM
(b) LN
(c) MO
(d) LO

Q30. Select the option that is related to the third number in the same way as the second number is related to the first number.

289 : 306 :: 196 : ?

(a) 210
(b) 512
(c) 225
(d) 320

Q31. Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

No duck is a doll.

All eggs are doll.

Conclusions:

I. No duck is an egg.

II. Some dolls are eggs.

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

Q32. Select the option that is related to the third word in the same way as the second word is related to the first word.

Taj Mahal : Agra :: Qutub Minar : ?

(a) Ranchi
(b) Delhi
(c) Mumbai
(d) Chennai

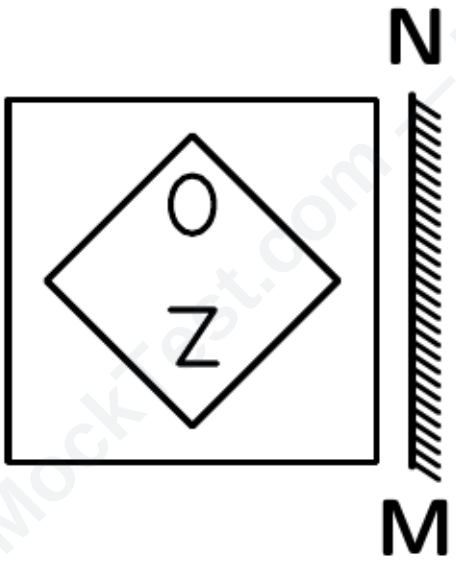
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Q33. Which of the following numbers will replace the question mark (?) in the given series?

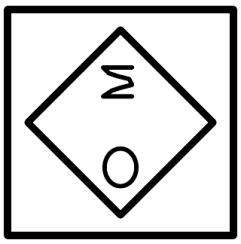
43, 51, 78, 142, 267, ?

(a) 463
(b) 493
(c) 483
(d) 473

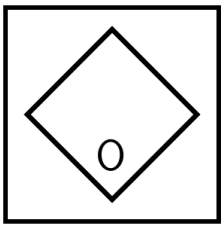
Q34. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.



(a)



(b)

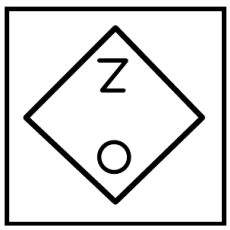


(c)



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(d)



Q35. Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

45 - 5 + 96 ÷ 8 × 24 = 9

(a) ÷ and -
(b) • and ×
(c) • and -
(d) × and -

Q36. Three statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow (s) from the statements.

Statements:

Some books are pens.

Some books are copies.

All copies are pencils.

Conclusions:

I. Some pencils are pens.

II. Some pencils are books.

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

Q37. 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?

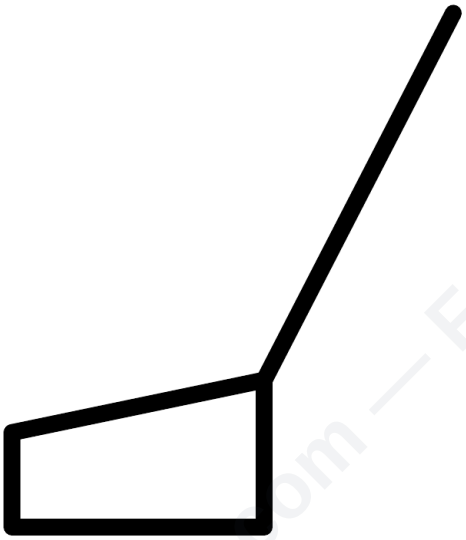
(20, 70, 120)

(120, 170, 220)

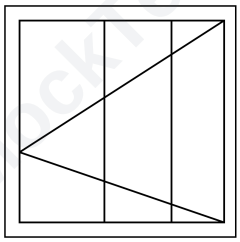
(a) (220, 270, 330)
(b) (420, 470, 530)
(c) (320, 380, 420)
(d) (420, 470, 520)

Q38. Select the option figure in which the given figure is embedded. (rotation in NOT allowed)

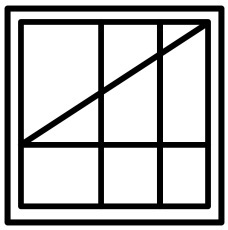
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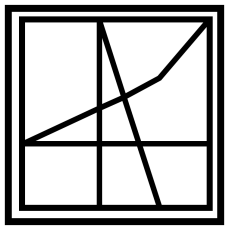
(a)



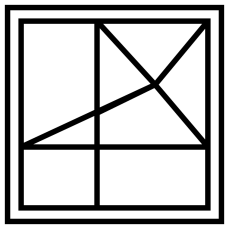
(b)



(c)



(d)



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Q39. Which of the following numbers will replace the question mark (?) in the given series?

71, 73, 76, 81, 88, 99, 112, ?

(a) 130
(b) 129
(c) 140
(d) 139

Q40. In a certain code language, 'ARMY' is written as 'CPOW'. How will 'HALF' be written in that language?

(a) JYMD
(b) JNYD
(c) JDYN
(d) JYND

SESSION 2

Q41. The objects which repeats its motion after some time is called _____.

(a) Rectilinear motion
(b) semi - circular motion
(c) periodic motion
(d) Circular motion

Q42. Which among the following is a famous festival of Maharashtra, India?

(a) Chhath Puja
(b) Onam
(c) Ugadi
(d) Gudi Padva

Q43. What is the tenure of a Rajya Sabha member?

(a) Three years
(b) Five years
(c) Two years
(d) Six years

Q44. Which among the following books is an autobiography of Mithali Raj?

(a) One More Over
(b) All Round View
(c) No Holding Back
(d) Unguarded

Q45. Who established the Ramakrishna Mission?

(a) Tarun Sagar
(b) Gaur Gopal Das
(c) Jambuvijaya
(d) Swami Vivekananda

Q46. Azhar (2016), a sports-related movie, is based on which of the following sports?

(a) Mixed Martial arts
(b) Boxing
(c) Hockey
(d) Cricket

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Q47. In which Indian movement, were the issues faced by indigo planters, first brought to light in 1917?

(a) Champaran Satyagraha
(b) Non-Cooperation Movement
(c) Kheda Satyagraha
(d) Ahmedabad Mill Strike

Q48. What did the medieval term "Raqs" mean?

(a) Dancing
(b) Singing
(c) Chanting
(d) Ritual

Q49. Kathakali dance form originated from which of the following states?

(a) Odisha
(b) Tamil Nadu
(c) Karnataka
(d) Kerala

Q50. The 'Golden quadrilateral' does not connect which of the following cities?

(a) Delhi
(b) Chennai
(c) Bhopal
(d) Mumbai

Q51. The summer months experience _____ in the northern part of India.

(a) heavy rain
(b) rising air pressure
(c) falling air pressure
(d) decreasing temperature

Q52. Who among the following is a sitar maestro of global acclaim?

(a) Girija Devi
(b) Vishwa Mohan Bhatt
(c) Bismillah Khan
(d) Shahid Parvez Khan

Q53. Which among the following bills passed in Parliament in 2022 replaced the Identification of Prisoners Act, 1920?

(a) The Central Vigilance Commission (Amendment) Bill
(b) The Criminal Procedure (Identification) Bill
(c) The Election Laws (Amendment) Bill
(d) The Farm Laws Repeal Bill

Q54. Who among the following is not associated with Kuchipudi dance form?

(a) Ghanakanta Bora Borbayan
(b) Vyjayanti Kashi
(c) Vempati Chinna Satyam
(d) Radha Reddy

Q55. Fishes have _____ chambers of the heart.

(a) one
(b) four
(c) three
(d) two

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Q56. The kingdoms of Chola, Chera and Pandyas belong to which period in the ancient India?

(a) Mahajanapada period
(b) Mauryan Period
(c) Sangam Period
(d) Gupta Period

Q57. Which among the following was set up in 1956 by Indian government by nationalising all the existing private sector life insurance companies?

(a) United India Insurance Company Limited
(b) New India Assurance Company Limited
(c) Life Insurance Corporation of India
(d) General Insurance Corporation of India

Q58. Pankaj Advani is associated with which sports?

(a) Golf
(b) Billiards
(c) Table Tennis
(d) Chess

Q59. Which of the following Indian state is biggest in terms of area?

(a) Madhya Pradesh
(b) Uttar Pradesh
(c) Maharashtra
(d) Rajasthan

Q60. The Narmada river rises in the Amarkantak hills situated in which state?

(a) Gujarat
(b) Rajasthan
(c) Maharashtra
(d) Madhya Pradesh

Q61. The first urban settlement to reach a population of one million was _____.

(a) Tokyo
(b) London
(c) Berlin
(d) New York

Q62. Which Indian ministry introduced the Jammu and Kashmir Reorganisation Bill, 2019?

(a) Ministry of Defence
(b) Ministry of Home Affairs
(c) Ministry of External Affairs
(d) Ministry of Parliamentary Affairs

Q63. _____ are the vessels which carry carbon dioxide-rich blood back to the heart.

(a) arteries
(b) capillaries
(c) veins
(d) neurons

Q64. Which among the following words were added to the Preamble in the 42nd amendment of the Indian constitution?

(a) Socialist
(b) Democratic
(c) Republic
(d) Sovereign

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Q65. Prayer halls in Buddhist architectural monuments were also known as _____.

(a) pishtaq
(b) chaitya grihas
(c) viharas
(d) stupas

Q66. Direction: Select the most appropriate synonym to substitute the bracketed word in the given sentence.

I do not object to this (accolade) on the grounds that Edinburgh has little literary tradition.

(a) Criticism
(b) Indictment
(c) Stubborn
(d) Praise

Q67. Direction: Select the most appropriate word for the given group of words.

To reveal a secret

(a) Divulge
(b) Vilify
(c) Conceal
(d) Discern

Q68. Direction: Choose the incorrectly spelt word.

(a) Contaxte
(b) Station
(c) Magic
(d) Charity

Q69. Direction: Fill in the blank with the most appropriate option.

I think she's right to warn you not to _____ your temper.

(a) lose
(b) drop
(c) forget
(d) last

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

The life of the church seems, indeed, to have been in a more stagnant and _____ condition in this age than at any other period of English history.

(a) tangential
(b) truculent
(c) torpid
(d) expedite

Q71. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Leaders are self-direct,/but learning and understanding/ are the keys to self-direction.

(a) No error
(b) Leaders are self-direct,
(c) but learning and understanding
(d) are the keys to self-direction.

Q72. 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.

(Many man) has tried to find the caves but none have succeeded.

(a) Many a men
(b) No correction required
(c) Many a man

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(d) Much man

Q73. Direction: Fill in the blank with the most appropriate option.

As he walked past the chambers, Samir asked everyone to quiet _____.

(a) Up
(b) Down
(c) Rise
(d) Please

Q74. Direction: Select the most appropriate synonym of the given word.

Converge

(a) Coincide
(b) Homicide
(c) Fratricide
(d) Verbicide

Q75. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Do you have the faint / idea of what would happen/ if Maa sees this?

(a) idea of what would happen
(b) No error
(c) if Maa sees this?
(d) Do you have the faint

Q76. Direction: Select the most appropriate antonym of the given word.

Reservation

(a) Catch
(b) Openness
(c) Doubt
(d) Conserve

Q77. Direction: Select the most appropriate meaning of the given idiom.

Be at a crossroads

(a) To make a very important decision
(b) To have taken the wrong road
(c) To have forgotten the way
(d) To be confused

Q78. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I smiled at my son and _____ thankful.

(a) felt
(b) fallen
(c) feel
(d) feeling

Q79. Direction: Choose the sentence with no spelling errors.

(a) Such bloms typically don't lead to deaths.
(b) Such blooms typiclly don't leade to deaths.
(c) Such blooms typiclly don't lead to deaths.
(d) Such blooms typically don't lead to deaths.

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Q80. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Diseases passed from animals to humans are called zoonoses.

(a) No error
(b) Diseases passed from
(c) animals to humans
(d) are called zoonoses

Q81. 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.

(Most time) they didn't have enough to eat and went to bed hungry

(a) Many a times
(b) Many a time
(c) No correction required
(d) More times

Q82. Direction: Select the appropriate antonym for the underlined word.

What youthful philosophers and experimentalists we are!

(a) unformed
(b) childlike
(c) raw
(d) ripened

Q83. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

He had thrown the wrapper into the garbage.

(a) No improvement
(b) throw the
(c) has throwing the
(d) thrown the

Q84. Direction: Choose the word that can substitute for the given group of words.

A place for housing aeroplanes

(a) Hangar
(b) Burrow
(c) Hutch
(d) Brewery

Q85. Direction: In the following question, out of the given four alternatives, select the alternative that best expresses the meaning of the idiom or phrase.

To strain every nerve

(a) To make a great effort
(b) To claim something
(c) To go for physiotherapy
(d) To manipulate someone in the best way

Directions

Direction: In the following passage, some words have been deleted. Fill in the blanks with help of the alternatives given. Select the most appropriate option for each number.

Professor Sprout was standing ____ (1) __ a trestle bench in the centre of the greenhouse. __ (2) __ twenty __ (3) _ of different-coloured ear muffs __ (4) __ lying on the bench. Harry __ (5) ____ his place between Ron and Hermione.

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

(a) behind
(b) afterwards
(c) back off
(d) after back

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

(a) Utmost
(b) Round
(c) Near by
(d) About

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

(a) couples
(b) duality
(c) teams
(d) pairs

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

(a) lay
(b) continue
(c) was
(d) were

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

(a) have taken
(b) have to take
(c) has took
(d) had taken

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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