SSC MTS (2022) Official Paper (Held On: 20 Jun, 2023 Shift 1) (Previous Year Paper)

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

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

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SESSION 1

Q1. Two taps J and L can fill a tank alone in 10 minutes and 12 minutes respectively. If an outlet tap K is opened and all three taps work together, then the same tank will be filled in 15 minutes. How much time will tap K alone take to empty the same tank?

(a) 60/7 minutes
(b) 58/11 minutes
(c) 56/3 minutes
(d) 52/3 minutes

Q2. A person lent certain sum of money at the annual rate of 8 percent on simple interest and the interest received in 9 years is Rs. 560 less than the sum lent. What is the sum lent?

(a) Rs. 2000
(b) Rs. 1120
(c) Rs. 1000
(d) Rs. 560

Q3. Sapna bought book at a sale for Rs. 573.18, she received 18% discount on the MRP. What is the MRP of the book?

(a) Rs. 649
(b) Rs. 799
(c) Rs. 749
(d) Rs. 699

Q4. Suraj starts his journey from point Q at 2 p.m. He drives the car at the speed of 40 km/hr for first three hours and complete the remaining journey at the speed of 30 km/hr. If Rahul starts moving towards Suraj at 6 p.m. from point Q at the speed of 80 km/hr, then at what time he will catch Suraj?

(a) 9 : 36 pm
(b) 9 : 00 pm
(c) 9 : 15 pm
(d) 10 : 06 pm

Q5. Container I and Container II have milk and water in the ratio of 4 : 5 and 8 : 3 respectively. In what ratio Container I and Container II should be mixed to get a new mixture in which milk and water are in the ratio of 9 : 11?

(a) 549 : 11
(b) 49 : 121
(c) 519 : 11
(d) 47 : 121

Q6. A group of boys has an average weight of 42 kg. One boy weighing 48 kg leaves the group and another boy weighing 38 kg joins the group. If the average now becomes 41 kg, then how many boys are there in the group?

(a) 6
(b) 10

(c) 8
(d) 12

Q7. If 50 percent of a number is 80, then what will be the 250 percent of that number?

(a) 440
(b) 400
(c) 480
(d) 360

Q8. The table given below shows the cost price and selling price of 5 different articles.

Article	Cost price	Selling price
A	500	600
B	700	750
C	600	800
D	400	700
E	300	800

What is the ratio of total cost price to total selling price of all articles?

(a) 49 : 72
(b) 50 : 39
(c) 37 : 50
(d) 50 : 73

Q9. What is the least number which when divided by 8, 10, 12 and 18 leaves a remainder 5 in each case?

(a) 408
(b) 397
(c) 365
(d) 371

Q10. What is the value of (44 - 13 + 17 - 21 + 45 - 24)/(12 of 4 - 3 × 4 - 6 × 2) ?

(a) -1
(b) 1
(c) -2
(d) 2

Q11. The perimeter of the top of a rectangular table is 56 metre and its area is 192 metre^2. What is the length of its diagonal?

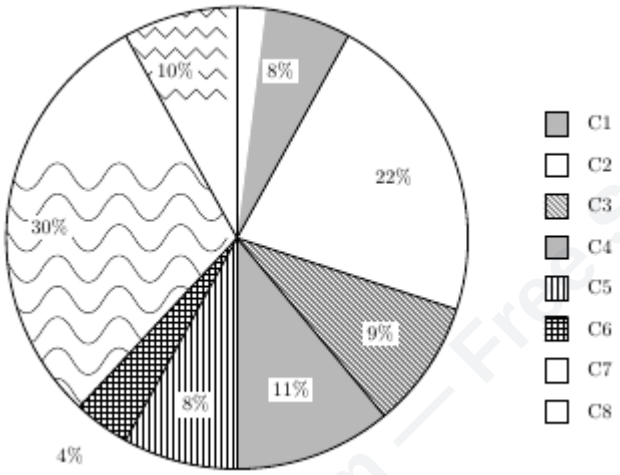
(a) 20 metre
(b) 16 metre
(c) 22 metre
(d) 18 metre

Q12. What is the value of [1/5+{1/6 of (42/35÷ 6/25)-(2/7× 6/5÷ 18/42)}+19/30] ?

(a) 11/15
(b) 17/15
(c) 14/15
(d) 13/15

Q13. The pie chart given below shows the number of cars sold by 8 different companies. The total number of cars sold by all these 8 companies are 2,000. Number of cars sold by a particular company is shown as a percent of total number of cars sold by all these 8 companies.

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The average number of cars sold by C1 and C2 is how much percent less than the average number of cars sold by C7 and C8?

(a) 33.33 percent
(b) 66.66 percent
(c) 16.66 percent
(d) 25 percent

Q14. 8 women can complete a work in 15 days. If 2 women are employed, then in how many days the work will be completed?

(a) 60 days
(b) 80 days
(c) 64 days
(d) 44 days

Q15. By selling a water heater for Rs. 320, the shopkeeper incurs a loss of 20%. If he wants to earn a profit of 20%, at what price should he sell the water heater?

(a) Rs. 105
(b) Rs. 400
(c) Rs. 480
(d) Rs. 100

Q16. A man bought two flats for Rs. 6075000 each. He sold, one flat at 10% gain and other at 15% loss. How much percent he gain or lose in the whole?

(a) 2.5% loss
(b) 3% gain
(c) 5% gain
(d) 5% loss

Q17. In what ratio rice of Rs. 20 per kg be mixed with rice of Rs. 34 per kg, so that the mixture is worth Rs. 28 per kg?

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

Q18. If A : B : C = 2 : 3 : 5, then what is the value of (A + B) : (B + C) : (C + A)?

(a) 5 : 8 : 7
(b) 9 : 10 : 12
(c) 6 : 9 : 14
(d) 8 : 15 : 14

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Q19. The length of a cuboid is half of its breadth and the height of cuboid is thrice of its breadth. If the breadth of the cuboid is 12 cm, then what is the total surface area of cuboid?

(a) 1320 cm²
(b) 1440 cm²
(c) 1560 cm²
(d) 1680 cm²

Q20. On a certain sum the compound interest (compounding annually) for fourth year is Rs. 15000 and the compound interest (compounding annually) for sixth year is Rs. 25350. What is the rate of interest per annum?

(a) 40 percent
(b) 35 percent
(c) 25 percent
(d) 30 percent

Q21. In a certain code language, 'NOTICE' is coded as 'LMRFZB'. What is the code for 'PARENT' in that code language?

(a) NYPBKQ
(b) NYPCLR
(c) NYPBKR
(d) NYQBKQ

Q22. 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:

All boxes are cube.

All cubes are squares.

Conclusions:

I. Some boxes are squares.

II. Some squares are not cube.

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

Q23. Which of the following numbers will replace the question mark (?) in the given series?

59, 63, 72, 88, 113, ?

(a) 139
(b) 149
(c) 141
(d) 159

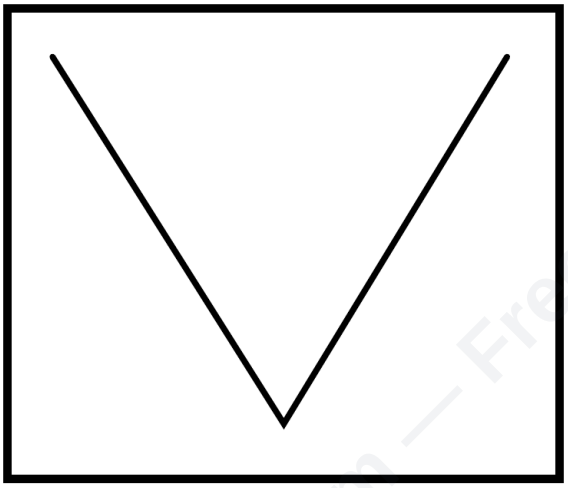
Q24. Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

14 + 63 ÷ 7 - 21 × 35 = 140

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

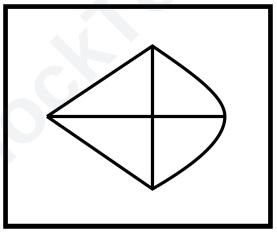
Q25. Select the option figure in which the given figure (x) is embedded as its part (rotation is NOT allowed).

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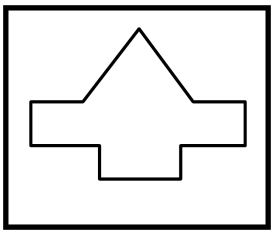


X

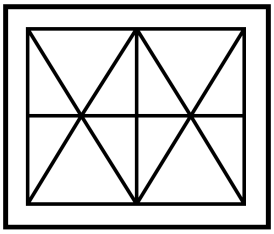
(a)



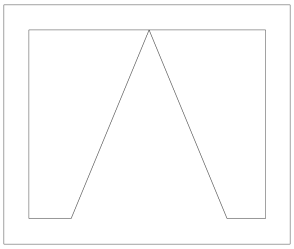
(b)



(c)



(d)



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Q26. 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 mobiles are land.

Some land are wide.

All wide are tall.

Conclusions:

I. Some mobiles are tall.

II. All tall are wide.

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

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

55, 38, 21, 4, -13, ?

(a) -30
(b) -18
(c) -28
(d) -20

Q28. Select the option that is related to the third word in the same way as the second word is related to the first word.

Bees : Buzz :: Ducks : ?

(a) Croak
(b) Chirp
(c) Bleat
(d) Quack

Q29. Select the option that is related to the third number in the same way as the second number is related to the first number.

110 : 23 :: 85 : ?

(a) 17
(b) 13
(c) 18
(d) 47

Q30. In a certain code language, ‘PARK’ is written as ‘QCSM’ and ‘FREE’ is written as ‘GTFG’. How will ‘FAME’ be written in that language?

(a) GCNG
(b) GCOF
(c) CGNF
(d) HCNG

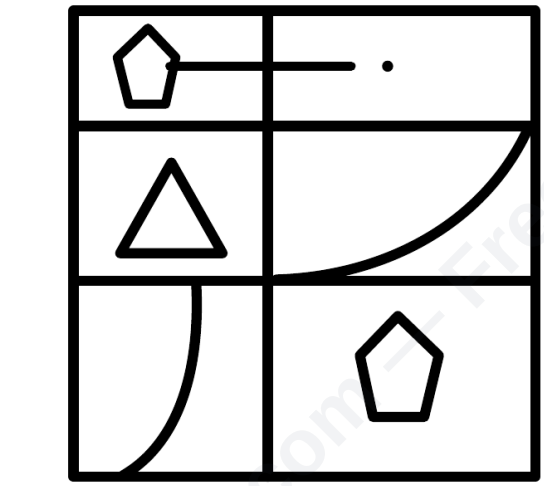
Q31. Which of the following letter will replace the question mark (?) in the given series?

J, N, H, P, F, R, D, T, B, ?

(a) O
(b) V
(c) M
(d) U

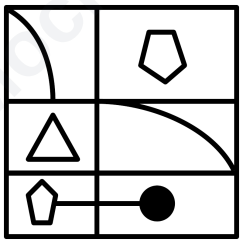
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Q32. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?

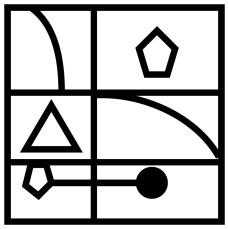




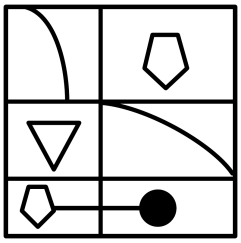
(a)



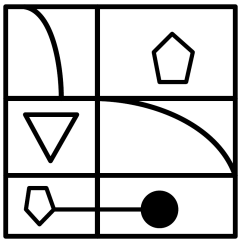
(b)



(c)



(d)



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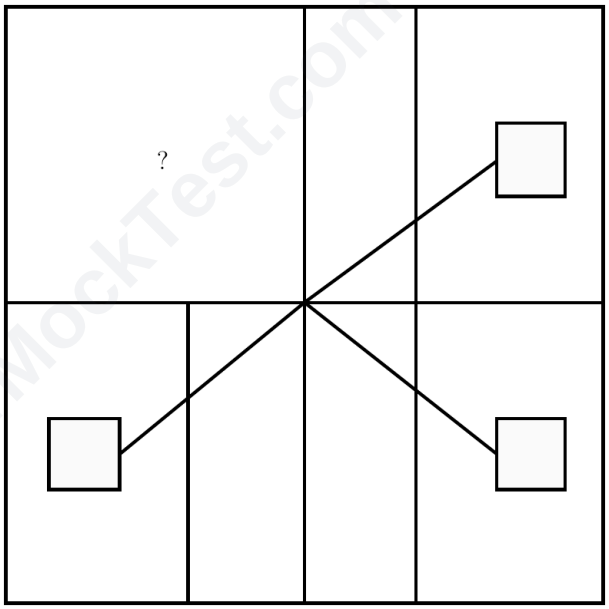
Q33. Anuj, Bala, Charanjit, Danish, Endrew, Farooq, Garvit, and Himesh are sitting around a square table facing the centre of the table. Four of them are sitting at each of the corners, while the other four are sitting at the exact centre of each of the sides.

Endrew who sits middle of a side, sits to the fourth left of the Garvit. Only one person sits between Garvit and Farooq. Bala is immediate neighbour of Endrew. Only three people sit between Bala and Anuj. Bala is not a neighbour of Farooq. Himesh sits to the immediate left of Charanjit. Charanjit sits to the third right of Endrew.

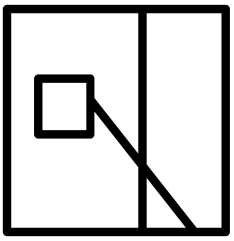
Who sits third to the right of Danish?

(a) Charanjit
(b) Himesh
(c) Bala
(d) Garvit

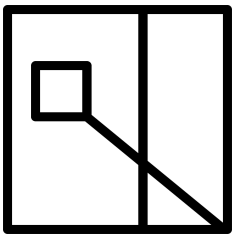
Q34. Which answer figure will complete the pattern in the question figure?



(a)

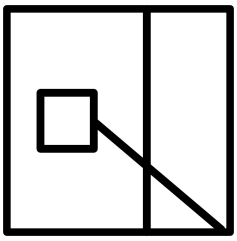


(b)

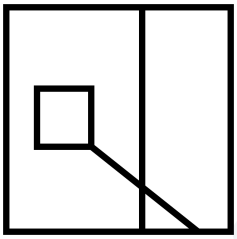


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(c)



(d)



Q35. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row - 60, 20, 10

Second row - 90, 30, 15

Third row - 36, 12, ?

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

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

Thyroid : Iodine :: Night blindness : ?

(a) Vitamin D
(b) Vitamin B
(c) Vitamin C
(d) Vitamin A

Q37. Six friends X, Y, J, M, N, and O are standing in a queue facing north. Y is immediately behind O. J is standing at the end of the queue. M stands exactly in between N and X. Y does not stand after X. Who stands fourth from the start of the queue?

(a) Y
(b) N
(c) X
(d) M

Q38. In a certain code language, ‘RAT’ is written as ‘SCW’. How will ‘COW’ be written in that language?

(a) DZQ
(b) DQR
(c) DYZ
(d) DQZ

Q39. By interchanging the given two signs which of the following equation will be not correct?

• and ×

I. 15 + 5 ÷ 1 - 9 × 4 = 70

II. 18 × 17 + 3 - 6 ÷ 2 = 133

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

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(d) Both I and II

Q40. Amongst seven sisters I, II, III, IV, V, VI and VII, each has a different height. I is shorter than only one sister. II is only taller than VII. Three sisters are shorter than IV and three are taller than her. V is not the tallest. III is shorter than VI but taller than V. Who is the third shortest among the sisters?

(a) VI
(b) IV
(c) V
(d) I

SESSION 2

Q41. Which of the following books is authored by Indu Sundaresan?

(a) The Secret of the Nagas
(b) The One You Cannot Have
(c) The Feast of Roses
(d) Ajaya: Rise of Kali

Q42. Respect for the National Flag and National Anthem is a _____ of every Indian citizen.

(a) Fundamental Duty
(b) Legal Right
(c) Directive Principles of State Policy
(d) Fundamental Right

Q43. What was the purpose behind the Pillars of Ashoka?

(a) To spread the dharma policies
(b) To spread bherighosha
(c) To spread sectarian faith
(d) To spread mass conversion

Q44. Which player was widely known by the name of Flying Sikh?

(a) Arshdeep Singh
(b) Harbhajan Singh
(c) Yuvraj Singh
(d) Milkha Singh

Q45. Hai - Hak Dance is associated with which state?

(a) Sikkim
(b) Rajasthan
(c) Tripura
(d) Andhra Pradesh

Q46. The Hindustan Socialist Republican Association (HSRA) was founded in _____.

(a) 1917
(b) 1922
(c) 1924
(d) 1928

Q47. Currency notes and coins are called _____.

(a) fiat money
(b) near money
(c) fiduciary money
(d) commodity money

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Q48. What is the capital of India's neighbouring country Afghanistan?

(a) Kandahar
(b) Kabul
(c) Kathmandu
(d) Karachi

Q49. Which of the following is “NOT” a biosphere reserve in India?

(a) Cold Desert
(b) Sunderbans
(c) Gir Forest
(d) Nilgiri

Q50. “PM POSHAN” Scheme is implemented by which ministry?

(a) Ministry of Women & Child Development
(b) Ministry of Education
(c) Ministry of Social Justice
(d) Ministry of Agriculture & Farmers Welfare

Q51. Which of the following article of Indian constitution is related with “Promotion of International Peace and security”?

(a) Article 43
(b) Article 51
(c) Article 40
(d) Article 47

Q52. Indian musician Jagjit Singh is credited for the revival of _____ genre of music / poetry.

(a) Sufi
(b) Latin
(c) Ghazal
(d) Jazz

Q53. The “Double Dome” feature of Indo - Islamic architecture was introduced by which dynasty of Delhi Sultanate?

(a) Slave Dynasty
(b) Lodi Dynasty
(c) Khilji Dynasty
(d) Tughlaq Dynasty

Q54. Which cell organelles help in intracellular digestion and are known as the “suicidal bags” of the cell?

(a) Chloroplasts
(b) Centrosome
(c) Golgi bodies
(d) Lysosome

Q55. Which of the following is an example of an artificial ecosystem?

(a) Aquariums
(b) Grasslands
(c) Desert
(d) Coral reefs

Q56. Which of the following has been awarded “Major Dhyan Chand Khel Ratna Award 2021” for Wrestling?

(a) Sunil Chhetri
(b) Neeraj Chopra
(c) Manpreet Singh
(d) Ravi Kumar

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Q57. The point on the surface, nearest to the focus of the earthquake, is called _____.

(a) semi centre
(b) epicentre
(c) hypocentre
(d) centrepiece

Q58. Which among the following festivals is associated with Arunachal Pradesh?

(a) Ugadi
(b) Pongal
(c) Wangala
(d) Solung

Q59. The Indian National Congress was established when 72 delegates from all over the country met at Bombay in December _____.

(a) 1858
(b) 1890
(c) 1872
(d) 1885

Q60. Gangaur festival of Rajasthan is associated with which god and goddess?

(a) Lord Surya and Goddess Prabha
(b) Lord Shiva and Goddess Parwati
(c) Lord Vishnu and Goddess Lakshmi
(d) Lord Rama and Goddess Sita

Q61. Which of the following novels is written by Chetan Bhagat?

(a) Our Story Needs No Filter
(b) The White Tiger
(c) The 3 Mistakes of My Life
(d) Untouchables

Q62. In which type of farming the land is used for growing food and fodder crops and rearing livestock?

(a) Plantation agriculture
(b) Mixed farming
(c) Subsistence farming
(d) Shifting cultivation

Q63. Bhakti saints, Nayanars were devotees of which of the following gods?

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

Q64. “The Invisible Man” is a science fiction novel written by famous author _____.

(a) Herbert George Wells
(b) William Shakespeare
(c) Agatha Christie
(d) Jules Verne

Q65. How many countries share land boundaries with India?

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

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Q66. The statement below has been given with bracketed text. Select the option with correct idiom for the bracketed text.

She started repaying the money she borrowed from me, but the amount she returned me is (insignificant compared) to what she still owes.

(a) eat out of your hand
(b) jaw dropping
(c) an eye for an eye
(d) a drop in a bucket

Q67. Select the most appropriate meaning of the given idiom.

To eat crow

(a) To take money back
(b) To admit that one is wrong
(c) To take great care
(d) To become non - vegetarian

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

The wounds on my back are no longer fresh, but, somehow, they still _____.

(a) revamp
(b) barge
(c) enrich
(d) hurt

Q69. Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) Their skilled colleague soon satisfied them that they were wrong.
(b) It was a letter that was shot throught with the writer's personality.
(c) There is plenty of student accomodation in Edinburgh.
(d) He advised the government not to persue a gas deal with that company.

Q70. Select the most appropriate synonym of the given word.

Support

(a) Bolster
(b) Spine
(c) Refuse
(d) Release

Q71. Choose the incorrectly spelt word.

(a) Slim
(b) Wsated
(c) Interest
(d) Count

Q72. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Time is the greater / eraser, both of / sorrow and of joy.

(a) eraser, both of
(b) Time is the greater
(c) sorrow and of joy.
(d) No error

Q73. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'

He spent a great deal of time / writing on his legal pad and aggressive / underlining whatever he was writing.

(a) writing on his legal pad and aggressive
(b) underlining whatever he was writing.
(c) He spent a great deal of time
(d) No error

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Q74. Direction: Fill in the blank with the most appropriate option.

I was _____ and was suddenly woken up by the loud noise of crackers bursting.

(a) fast asleep
(b) quite asleep
(c) quiet asleep
(d) long asleep

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

Incompetence

(a) Caustic
(b) Interfere
(c) Attitude
(d) Efficient

Q76. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

'I'm going to get / start on some / homework,' said the professor angrily.

(a) start on some
(b) homework,' said the professor angrily.
(c) I'm going to get
(d) No error

Q77. 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.

She (had a reputation) brilliance.

(a) No correction required
(b) have a reputation for
(c) has a reputation for
(d) has a reputation of

Q78. Choose the word that means the same as the given word.

Habitant

(a) Denizen
(b) Endemic
(c) Transient
(d) Exile

Q79. Select the most appropriate word for the given group of words.

A building where animals are butchered

(a) Abattoir
(b) Arbitrator
(c) Apologue
(d) Apostate

Q80. Select the word from the options which is exactly opposite in meaning to the bracketed word given in the sentence below.

Hermione was pointing to the (nearest) window.

(a) convenient
(b) remote
(c) adjacent
(d) abutting

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Q81. Direction: Fill in the blank with the most appropriate option.

He ruled well but _____, making closer friends with justice than with mercy.

(a) watchfully
(b) watching
(c) watch
(d) watches

Q82. 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.

He was pleased to see them, especially as (Alice was disposed off to) be sympathetic rather than critical.

(a) Alice was disposed of to
(b) Alice was disposed to of
(c) Alice was inclined to
(d) No correction required

Q83. Direction: Fill in the blank with the most appropriate option.

Though poor, he _____ proud of his learning.

(a) have been
(b) were
(c) could became
(d) was

Q84. 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.

(The big the house), the more difficult it is to maintain it.

(a) The big house
(b) The bigger the house
(c) No correction required
(d) The biggest the house

Q85. Direction: Select the most appropriate word for the given group of words.

Having a sharply strong taste or smell

(a) Satire
(b) Alchemy
(c) Pungent
(d) Remorse

Directions

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

Do you live in a house? You might be ____ (1) __ to learn that there are many, many kinds of __ (2) ____. Most people in the United States are used to live in houses made of wood or bricks. But many people around the world live in houses made of grass, dirt, or cloth.

In the Great Rift Valley of Eritrea, the nomadic people who are in the Atrtribe build their houses of straw. Their houses are shaped like ____ (3) __ - half spheres. The homes are small and cool. The people can move their houses when they want to move. Since the people are __ (4) __, they move often. They __ (5) ____ their animals to new places in order to find food.

Q86. Select the most appropriate option to fill in the blank No. 1.

(a) socked
(b) calculable
(c) certain
(d) surprised

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Q87. Select the most appropriate option to fill in the blank No. 2.

(a) backhouses
(b) beadhouses
(c) houses
(d) birdhouses

Q88. Select the most appropriate option to fill in the blank No. 3.

(a) pantheon
(b) vault
(c) stars
(d) domes

Q89. Select the most appropriate option to fill in the blank No. 4.

(a) nomads
(b) lost
(c) creative
(d) ill

Q90. Select the most appropriate option to fill in the blank No. 5.

(a) share
(b) take
(c) offer
(d) fetch

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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