SSC MTS (2022) Official Paper (Held On: 16 May, 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. A boatman rows 15 km in 15 minutes, along the stream and 10 km in 1 hour against the stream. Find the speed of the boat in still water.

(a) 33 km/hr
(b) 35 km/hr
(c) 26 km/hr
(d) 40 km/hr

Q2. If (x +y) : (y + z) : (z + x) = 3 : 5 : 7 and (x + y + z) = 45, then what is the value of z?

(a) 18
(b) 30
(c) 27
(d) 20

Q3. A and B together can complete a given work in 10 days. C can complete the same work alone in 15 days. In how many days can they complete the work, if all three work together?

(a) 8 days
(b) 5 days
(c) 6 days
(d) 10 days

Q4. Rima buys a chair for Rs. 1000 and sells it at a loss of 8%. What is the selling price of the chair?

(a) Rs. 920
(b) Rs. 900
(c) Rs. 980
(d) Rs. 1000

Q5. The following table shows the number of girls and boys in different classes. Find the sum of total nunber of students in all class.

Class	Number of girls	Number of boys
5	88	76
6	140	92
7	54	80
8	84	68
9	90	70

(a) 840
(b) 842

(c) 800
(d) 760

Q6. 225 percent of 80 percent of 80 = _____.
(a) 156
(b) 132
(c) 144
(d) 138

Q7. Find the value of [7 + {4 × (2 + 5 × 4)}].
(a) 95
(b) 45
(c) 55
(d) 85

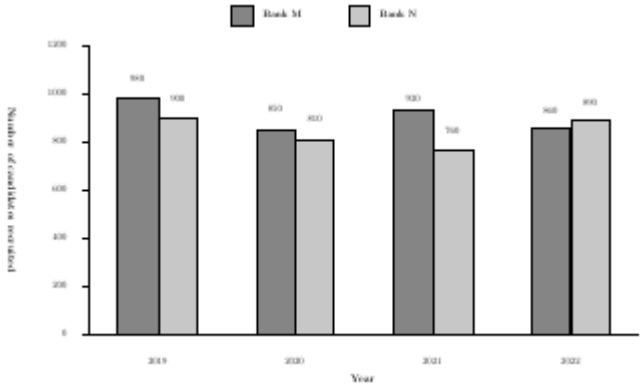
Q8. Evaluate for the value of A.
(64 ÷ 8) - A + 4 × 23 + 45 - 87 = 53
(a) 4
(b) 6
(c) 3
(d) 5

Q9. What will be the ratio of simple interest earned by certain amount at the same rate of interest for 8 years and 20 years?
(a) 5 : 7
(b) 2 : 5
(c) 3 : 5
(d) 4 : 3

Q10. A trader marks his goods at 55% above the cost price and allows a discount of 20%. What is his gain percentage?
(a) 24%
(b) 18%
(c) 22%
(d) 16%

Q11. If a certain sum of money becomes double of itself in 3 years 6 months at simple interest, then what will be the annual rate of interest?
(a) 22.5 percent
(b) 28.57 percent
(c) 30.53 percent
(d) 26.57 percent

Q12. The bar graph shows the candidates recruited in the 2 different banks M and N in different years. What is the average number of candidates in bank N in all the years together?



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(a) 720
(b) 700
(c) 850
(d) 840

Q13. By selling 55 meters of cloth, one gains the selling price of 11 meters. Find the gain percent.
(a) 33%
(b) 15%
(c) 25%
(d) 23%

Q14. The average age of four brothers is 24 years. If their father is included, the average is increased by 6 years. Find the age of the father (in years)
(a) 50 years
(b) 52 years
(c) 54 years
(d) 55 years

Q15. The value of 74 + 88 ÷ 8 × 10 of 5 - 90 ÷ 15 + {44 - (108 ÷ 12)} is:
(a) 700
(b) 653
(c) 770
(d) 605

Q16. Find the fourth proportion to 21, 49 and 18.
(a) 42
(b) 56
(c) 49
(d) 44

Q17. Dev completed the school project alone in 40 days. How many days will Arun alone take to complete the same work if he is 25% more efficient than Dev?
(a) 35 days
(b) 14 days
(c) 32 days
(d) 16 days

Q18. Three numbers are in the ratio 2 : 3 : 5 and their LCM is 60. What is the HCF of the numbers?
(a) 2
(b) 4
(c) 10
(d) 6

Q19. A man goes to a place on the car at a speed of 144 km/hr and comes back at a lower speed. If the average speed is 60 km/hr in total, then find his returning speed (in km/hr).
(a) 40.05 km/hr
(b) 37.89 km/hr
(c) 33.33 km/hr
(d) 22.25 km/hr

Q20. If the length of a rectangle is decreased by 13% and the breadth is increased by 13%. Find the change of percentage in its area.
(a) 1.69% decrease
(b) 1.69% increase
(c) No change

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(d) 13% decrease

Q21. In the following question, select the missing number of the given series.

30, 60, 180, 720, 3600, ?

(a) 25000
(b) 21600
(c) 12000
(d) 14400

Q22. Seven workers Rahul, Ram, Ramesh, Sohan, Sahil, Anil and Sonu are sitting around a circular table facing towards the centre (not necessarily in the same order). Anil is immediate neighbour of both Ram and Sonu. Ram is second to the right of Sahil. Rahul is immediate neighbour of both Sahil and Sohan. Who is second to the left of Sahil?

(a) Sonu
(b) Ramesh
(c) Sohan
(d) Anil

Q23. By Interchanging the given two numbers which of the following equation will be correct?

5 and 4

I. 4 + 8 × 5 - 7 ÷ 1 = 30

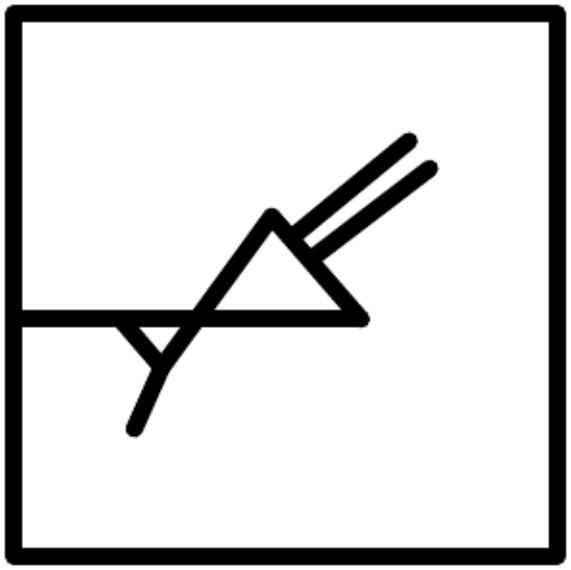
II. 5 × 3 - 4 + 6 ÷ 2 = 11

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

Q24. In a certain code language, ‘PIECES’ is coded as 'PKBCGP’. What is the code for ‘OBTAIN' in that code language?

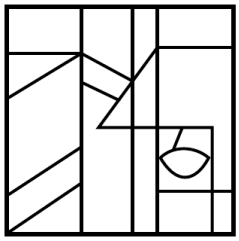
(a) ODQALL
(b) ODQBKK
(c) ODQAKK
(d) ODQAJK

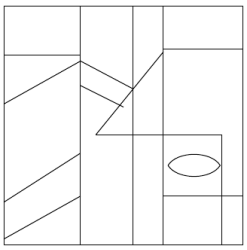
Q25. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



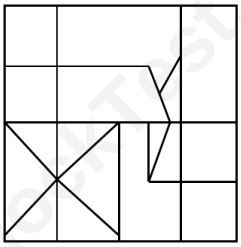
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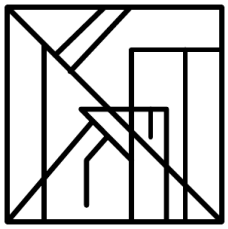
(a)



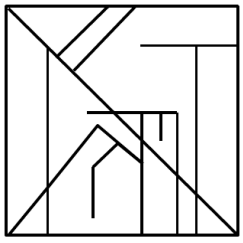


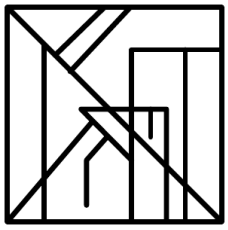
(b)



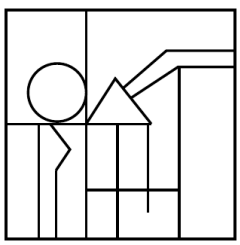


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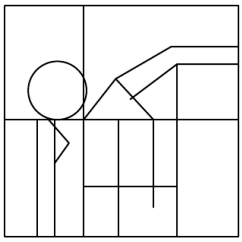




(d)



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Q26. 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 bike are cycle.

II. Some cycle are tub.

Conclusion:

I. All tub are bike.

II. All cycle are tub.

III. All cycle are bike.

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

Q27. In a certain code language, 'HEAVY' is coded as 'EBXSV'. What is the code for ‘LABEL’ in that code language?

(a) IXYBJ
(b) IXZBI
(c) IXYBI
(d) JXYBJ

Q28. 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)

(64, 8, 16)

(40, 20, 4)

(a) (56, 14, 8)
(b) (100, 50, 8)
(c) (120, 100, 5)
(d) (54, 9, 14)

Q29. Weight of five pens P1, P2, P3, P4 and P5 is compared. Weight of P3 is less than P1 but more than P2, Weight of P2 is more than only two pens. Weight of P5 is not the least. If the weight of P5 is 100 grams, then what can be the weight of P1?

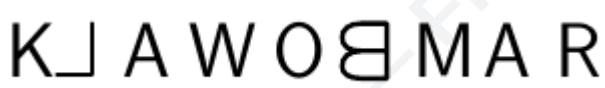
(a) 108 grams
(b) 96 grams
(c) 95 grams
(d) 90 grams

Q30. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

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(a)



(b)



(c)



(d)



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

17, 24, 32, 41, 51, ?

(a) 63
(b) 61
(c) 64
(d) 62

Q32. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

FOC, IMF, LKI, OIL, ?

(a) SHO
(b) RGO
(c) SGO
(d) RHO

Q33. 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 men are girls.

II. Some strong are girls.

Conclusion:

I. Some strong are not men.

II. Some girls are men.

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

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Q34. 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.

Rink : Skating :: Pitch : ?

(a) Cricket
(b) Hockey
(c) Wrestling
(d) Football

Q35. By Interchanging which two signs the equation will be correct?

27 ÷ 3 - 18 + 3 × 2 = 18

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

Q36. In a certain code language, ‘REPORT' is coded as '18, 5, 16, 15, 18, 20', ‘BEYOND' is coded as '2, 5, 25, 15, 14, 4'. What is the code for ‘MONEY' in that code language?

(a) 13, 15, 12, 6, 25
(b) 13, 15, 14, 5, 25
(c) 13, 15, 14, 6, 25
(d) 15, 13, 12, 6, 25

Q37. Eight friends Anil, Kamal, Ram, Sanjay, Aakash, Vivek, Rahul and Ramu are sitting around a circular table facing towards the centre (not necessarily in the same order). Vivek is second to the right of Anil. Kamal is third to the left of Anil. Ramu is second to the right of Vivek. Ram is second to the right of Ramu. Aakash is second to the right of Rahul. Rahul is not the immediate neighbour of Vivek. Who is second to the left of Anil?

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

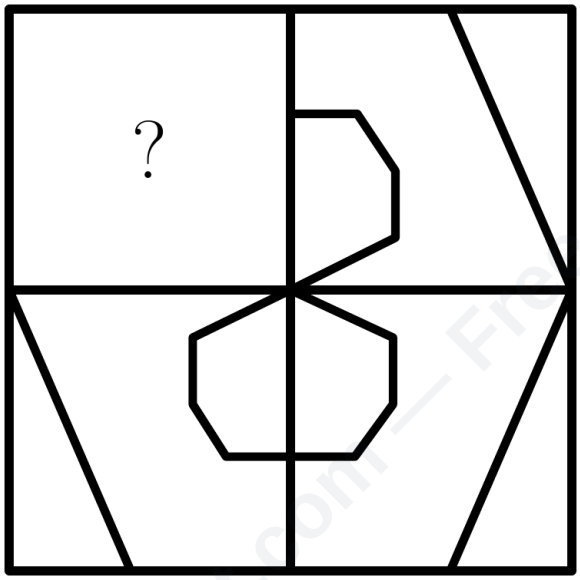
Q38. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Omelette : Egg :: ?

(a) Asphalt : Road
(b) Ore : Metal
(c) Furniture : Wood
(d) Seed : Oil

Q39. Which answer figure will complete the pattern in the question figure?

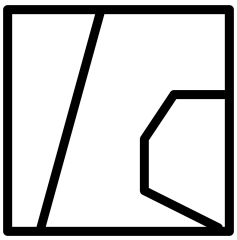
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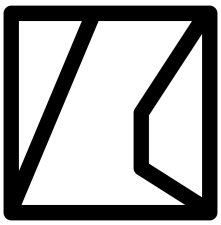
(a)



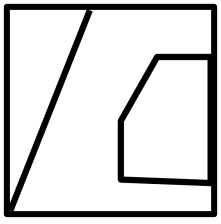
(b)



(c)



(d)



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Q40. Select the option that is related to the third number in the same way as the second number is related to the first number.

67 : 336 :: 43 : ?

(a) 216
(b) 226
(c) 214
(d) 236

SESSION 2

Q41. Which among the following is a traditional Hindu festival centered on the Goddess Mahakali from Telangana, India?

(a) Dehing Patkai
(b) Bonalu
(c) Ugadi
(d) Lohri

Q42. Kumari Kamala was awarded with Padma Bhushan in 1970. She was recognized for which classical dance form?

(a) Mohiniyattam
(b) Manipuri
(c) Kathak
(d) Bharatanatyam

Q43. The sepoys of Meerut arrived at the Gates of Red Fort to meet the Mughal emperor, Bahadur Shah on _____.

(a) 11 March, 1857
(b) 10 March, 1857
(c) 10 May, 1857
(d) 11 May, 1857

Q44. Which of the following countries is a part of 'I2U2' Summit?

(a) India, Iran, UAE and US
(b) India, Israel, UAE and Uganda
(c) Iraq, Iran, UAE and US
(d) India, Israel, UAE and US

Q45. Vidushi Sharan Rani is famous for playing which musical instrument?

(a) Flute
(b) Sitar
(c) Tabla
(d) Sarod

Q46. Which among the following is the coldest planet in the solar system?

(a) Mars
(b) Neptune
(c) Saturn
(d) Uranus

Q47. The settlements in which large number of houses are built very close to each other are _____.

(a) Compact settlements
(b) Star settlements
(c) Linear settlements
(d) Dispersed settlements

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Q48. Which of the following Indian Players has scored maximum runs in Cricket World Cup 1983?

(a) SM Gavaskar
(b) K. Srikkanth
(c) Kapil Dev
(d) SM Patil

Q49. Which among the following is not an alkali metals and does not belong to the Group 1 of Periodic Table?

(a) Calcium
(b) Lithium
(c) Sodium
(d) Potassium

Q50. Who among the following is the first Indian to win the under 10 World Chess Championship in Menorca, Spain in the year 1996?

(a) Koneru Humpy
(b) Vishwanathan Anand
(c) Vidit Santosh Gujrathi
(d) P Harikrishna

Q51. Which of the following has founded the city of Jaipur?

(a) Prithvi Raj Chauhan
(b) Raja Bharmal
(c) Sawai Jai Singh II
(d) Raja Man Singh

Q52. In which of the following articles, “Freedom of conscience and free profession, practice and propagation of religion” is mentioned?

(a) Article 26
(b) Article 27
(c) Article 25
(d) Article 28

Q53. Which of the following is ‘NOT’ a feature of organic farming?

(a) No use of mixed cropping
(b) Minimal or no use of chemicals
(c) Use of recycled farm wastes
(d) Use of biofertilizers

Q54. The emblem of the Chera Dynasty that controlled the central and northern parts of Kerala and the Kongu region of Tamil Nadu was _____.

(a) birds
(b) fish
(c) bow and arrow
(d) tiger

Q55. Banks are required to keep some reserves in liquid form with themselves. This is called _____.

(a) Marginal stability scheme
(b) Statutory liquidity ratio
(c) Open market operations
(d) Legal deposit ratio

Q56. Sodium Hydroxide is the chemical name of which of the following common substances?

(a) Bleaching Powder
(b) Borax
(c) Caustic Soda

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(d) Chalk

Q57. Which country is the leading producer of coffee in the world?

(a) USA
(b) Brazil
(c) China
(d) India

Q58. Which of the following books is written by Mulk Raj Anand?

(a) The English Teacher
(b) The Blue Umbrella
(c) Untouchable
(d) A Suitable Boy

Q59. Confluence of Bhagirathi and Alaknanda occur at _____.

(a) Vishnuprayag
(b) Nandaprayag
(c) Devaprayag
(d) Rudraprayag

Q60. In the Indian Judicial system, PIL stands for _____.

(a) Public Interest Litigation
(b) Periodic Individual Litigation
(c) Private Interest License
(d) Periodic Interest Litigation

Q61. Which of the following is one of the Trustees of the PM CARES Fund?

(a) Shri Azim Premji
(b) Shri Gautam Adani
(c) Shri Mukesh Ambani
(d) Shri Ratan N. Tata

Q62. Which Mauryan ruler was called Amitrochates by the Greeks?

(a) Samudragupta
(b) Kanishka
(c) Bindusara
(d) Chandragupta I

Q63. With respect to social groups in India, PVTGs stands for _____.

(a) Periodic Vulnerable Tribal Groups
(b) Periodic Various Tribal Groups
(c) Particularly Vulnerable Tribal Groups
(d) Particularly Various Tribal Groups

Q64. Kathak classical dance had its origin in _____.

(a) Uttar Pradesh
(b) Rajasthan
(c) Odisha
(d) Assam

Q65. In a drama, Hema spoke “Swaraj is my birth right and I shall have it”. Which Indian freedom fighter gave this slogan?

(a) Mahatma Gandhi
(b) Lokmanya Bal Gangadhar Tilak
(c) Ambika Charan Majumdar
(d) Bhagat Singh

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Q66. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

I went to the lake and _____ some of its water in my metallic cup.

(a) drank
(b) drinking
(c) drunk
(d) drunken

Q67. Choose the word that is correctly spelt.

(a) Indispensible
(b) Liasion
(c) Privilige
(d) Occurred

Q68. Select the most appropriate meaning of the given idiom.

Gut Feeling

(a) To have a dispute with someone
(b) A personal intuition you get, especially when feel something may not be right
(c) Very excited and/or joyful, especially when in love
(d) Doing things recklessly

Q69. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

George handing the / hairpin to Ron, / a moment later.

(a) George handing the
(b) hairpin to Ron,
(c) a moment later.
(d) No error

Q70. Choose the sentence with no spelling error.

(a) He supposed he shuld be thankful.
(b) He supposed he should be thankful.
(c) He supposed he should be thankfull.
(d) He suposed he should be thankful.

Q71. Select the word from the options which is exactly opposite in meaning to the bracketed word given in the sentence below.

Our financial situation had become (precarious).

(a) Insecure
(b) Stable
(c) Delicate
(d) Noisy

Q72. Direction: Select the most appropriate word for the given group of words.

The medieval forerunner of chemistry

(a) Anthropologist
(b) Curator
(c) Alchemy
(d) Anchor

Q73. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

I'm recovering from the flu, and I still is feeling weak

(a) No improvement
(b) feels weakened
(c) felt weakest

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(d) feel weak

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

Subtle

(a) Corrupt
(b) Homely
(c) Delicate
(d) Wrong

Q75. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

The cat sits in the window and staring at the squirrel.

(a) No improvement
(b) stares at
(c) stare on
(d) stared at

Q76. Select the most appropriate word for the given group of words.

A long wandering or voyage usually marked by many changes of fortune

(a) Odyssey
(b) Ode
(c) Pilgrimage
(d) Trip

Q77. Select the most appropriate option to fill in the blank.

Fear evolved over millions of years to protect us from _____.

(a) birth
(b) danger
(c) confidence
(d) courage

Q78. Fill in the blank with the most appropriate option.

The plan began to _____ once we all met to discuss it.

(a) jail
(b) gel
(c) jell
(d) gale

Q79. Select the most appropriate antonym of the given word.

Calm

(a) Harmonious
(b) Frenzy
(c) Placid
(d) Low-key

Q80. The statement below has been given with bracketed text. Select the option with correct idiom for the bracketed text.

Although Shagun was competently doing the project on her own, Pranav couldn't stop himself from (giving her unnecessary advice).

(a) being a backseat driver
(b) devil's advocate
(c) a bitter pill to swallow
(d) cutting the mustard

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Q81. 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 transit of the Planet of Love happen in pairs), eight years apart every century.

(a) The transit of the Planet of Love happens in pairs
(b) No substitution required
(c) The transits of the Planet of Love happens at pairs
(d) The transit of Planet of Love happen in pairs

Q82. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

I am not going to help you of this science project.

(a) help you of
(b) I am not going to
(c) this science project.
(d) No error

Q83. Choose the word that means the same as the given word.

Consensus

(a) Census
(b) Censure
(c) Puck
(d) Agreement

Q84. Fill in the blank with the most appropriate option.

I watched him with the excitement of _____ him to do anything at any time.

(a) lacking
(b) excepting
(c) expecting
(d) accepting

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

Humans have rapidly changing the balance of gases in the atmosphere.

(a) Humans have rapidly
(b) changing the balance of
(c) gases in the atmosphere.
(d) No error

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.

I was surprised ____(1) __ at the news that my father spared me any thought, and second at my brother's compliment, __ (2) __ it was backhanded. Dhri __ (3) __ commented on my looks; nor did he encourage me to comment on his. Such useless __ (4) __, he believed, made people vain. Was this another __ (5) ____ of change?

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

(a) earlier
(b) first
(c) in the beginning
(d) second

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

(a) afterwards
(b) all
(c) through
(d) though

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

(a) always
(b) never
(c) forever
(d) ever

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

(a) ode
(b) disclosure
(c) babble
(d) talk

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

(a) sign
(b) signature
(c) light
(d) symbolic

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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