SSC MTS (2022) Official Paper (Held On: 20 Jun, 2023 Shift 2) (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. The average of 15 results is 52. If the average of first 8 results is 56 and that of the last 8 results is 55, then what will be the value of 8th result?

(a) 116
(b) 92
(c) 96
(d) 108

Q2. Profit obtained on selling an article for Rs. 600 is equal to the loss incurred on selling the same article for Rs. 400. If selling price is Rs. 750, then what is the profit percentage?

(a) 70 percent
(b) 80 percent
(c) 60 percent
(d) 50 percent

Q3. A is two times as efficient as B. A can complete a work in 20 days less than B. If both of them work together, then in how many days will the same work be completed?

(a) 20 days
(b) (40/3) days
(c) (27/2) days
(d) 15 days

Q4. An alloy contains copper, zinc, and nickel in the ratio of 3 : 2 : 5 respectively. What quantity of nickel (in kg) must be added to 100 kg of this alloy to have the new ratio of copper, zinc and nickel 3 : 2 : 6 respectively?

(a) 15 kg
(b) 20 kg
(c) 8 kg
(d) 10 kg

Q5. What is the smallest perfect square which is divisible by both 8 and 12?

(a) 100
(b) 144
(c) 196
(d) 121

Q6. The table given below shows the marked price and selling price of 6 articles.

Articles	Marked price	Selling price
A1	650	550
A2	500	350

A3	550	400
A4	350	300
A5	750	550
A6	250	200

Discount = Marked price - Selling price

J1 = The value of average of discount of article A1, A2, A3 and A4.

J2 = The difference between marked price and selling price of all articles.

What is the value of (J2 - J1)?

(a) 592.5
(b) 552.5
(c) 576.5
(d) 587.5

Q7. If Mohan travels with 60 percent speed of his usual speed, then he will reach 10 minutes late. What is the usual time taken by him?

(a) 12.5 minutes
(b) 10 minutes
(c) 20 minutes
(d) 15 minutes

Q8. The ratio of P, Q and R is 2 : 5 : 7 respectively. If their sum is 840, then what is the difference between P and R?

(a) 300
(b) 200
(c) 380
(d) 260

Q9. Simple Interest received by a person in 10 years on a principal of Rs. 8500 is 180 percent of the principal. What is the annual rate of interest?

(a) 25 percent
(b) 22.5 percent
(c) 18 percent
(d) 20 percent

Q10. A sum of Rs. 3500 is lent out at simple interest in two parts. One part at the annual rate of 7 percent and another part at the annual rate of 5 percent. If the total annual interest is Rs. 210, then what is the sum lent out at the rate of 7 percent?

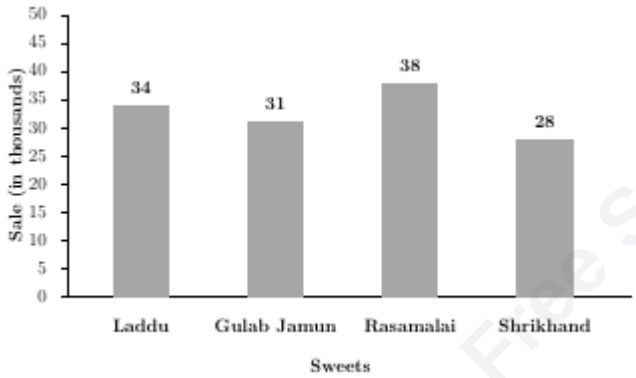
(a) Rs. 2000
(b) Rs. 1500
(c) Rs. 2250
(d) Rs. 1750

Q11. Find the surface area of a spherical ball that has a radius of 1.1 cm.

(a) 16 cm^2
(b) 15.2 cm2
(c) 11.2 cm2
(d) 12.1 cm2

Q12. Given graph shows the sales of the different sweets in this festive season. Which sweet had the maximum sale?

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(a) Gulab Jamun
(b) Laddu
(c) Rasamalai
(d) Shrikhand

Q13. If the area of non-spherical portion of a solid hemisphere is 1560 m², then the total surface area of the hemisphere is :

(a) 6240 m²
(b) 5140 m2
(c) 4680 m2
(d) 3120 m2

Q14. A trader allowed a discount of 20 percent on a trolley bag having list price of Rs. 4296 and earns a profit of 20 percent. What is the cost price of the trolley bag?

(a) Rs. 2572
(b) Rs. 2500
(c) Rs. 2864
(d) Rs. 3026

Q15. Rahul and Raman started a business by investing Rs. 16000 and Rs. 12000 respectively. After 4 months, Rahul left the business and Mohan joined the business by investing Rs. 20000. At the end of the year, there was a profit of Rs. 46000. What will be the share of Mohan in the profit?

(a) Rs. 23400
(b) Rs. 36800
(c) Rs. 28700
(d) Rs. 20000

Q16. The value of [84 - (-8) × {16 - (11 - 3)} + {5 + (-8) × (-4)}] lies between :

(a) -187 and -184
(b) 186 and 187
(c) 186 and 189
(d) 183 and 186

Q17. What is the value of 49/8× 2/3÷98/16×12/4 ?

(a) 7
(b) 1
(c) 2
(d) 9

Q18. A person bought some pens at the rate of 14 for a rupee and sold them at the rate of 10 for a rupee. What is the profit percentage?

(a) 30 percent
(b) 40 percent
(c) 50 percent

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(d) 45 percent

Q19. What is the value of 32 percent of 75 percent of 7800?

(a) 1952
(b) 1850
(c) 2042
(d) 1872

Q20. A alone can do a work in 4 days, which B alone can do in 6 days. In how many days they together can do it

(a) 5/12
(b) 7/12
(c) 12/5
(d) 12/7

Q21. In a certain code language, 'LION' is written as 'MKPP' and 'DEER' is written as 'EGFT'. How will 'GOAT' be written in that language?

(a) HQBV
(b) HQCV
(c) HQBU
(d) HPBV

Q22. Which of the following numbers will replace the question mark (?) in the given series?

-67, -64, -58, -49, -37, -22, ?

(a) -2
(b) 4
(c) -4
(d) 2

Q23. Rohan, Rajiv, Ritu, Rishav, and Ritika are sitting in a circle facing away from the centre. Rohan and Rajiv are not sitting together. Rishav and Ritika are sitting immediately next to each other, and Rajiv is sitting to the immediate left of Rishav. Who is sitting to the immediate left of Ritu?

(a) Rohan
(b) Rajiv
(c) Rishav
(d) Ritika

Q24. After interchanging which two signs, the value of the given equation will be '11'?

32 + 3 - 12 ÷ 18 × 9

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

Q25. Amongst seven girls Aanya, Bira, Cleo, Diana, Elle, Fathima and Georgia, each has a different age. Fathima is elder than only Cleo. Bira is younger than only Georgia. Diana is older than four other girls. Aanya is younger than Elle. Who is the fourth eldest among the girls?

(a) Elle
(b) Bira
(c) Diana
(d) Fathima

Q26. In a certain code language, 'GLAND' is coded as '62437', 'GRIND' is coded as '34869', 'MAIN' is coded as '5692'. What is the code for 'A' in that code language?

(a) 6
(b) 9

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(c) 2
(d) 5

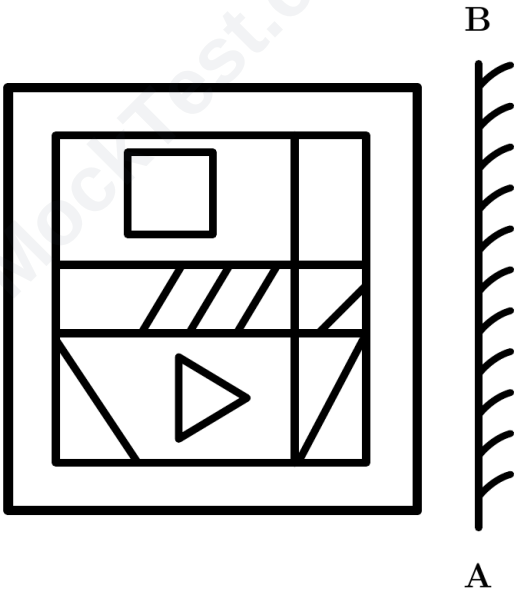
Q27. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 - Operations on 13 such as adding/subtracting/multiplying 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)

(500, 450, 400)

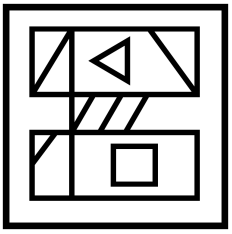
(600, 550, 500)

(a) (800, 750, 650)
(b) (350, 300, 200)
(c) (300, 350, 250)
(d) (400, 350, 300)

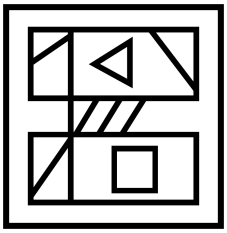
Q28. If a mirror is placed on the line AB, then out of the option figures which figure will be right image of the question figure?



(a)

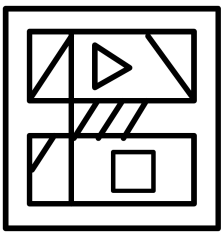


(b)

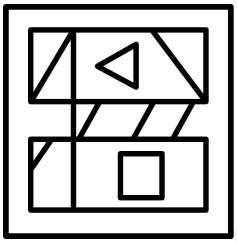


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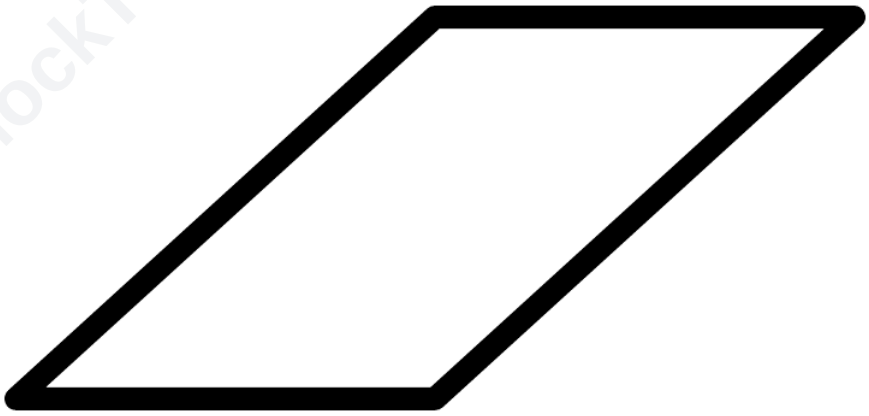
(c)



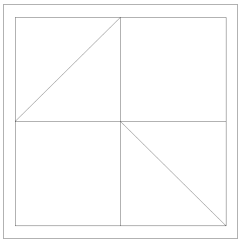
(d)



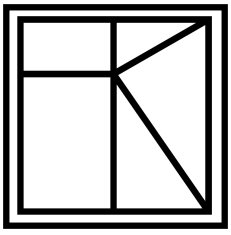
Q29. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



(a)

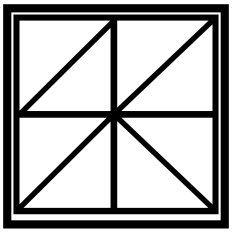


(b)

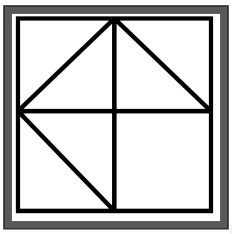


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(c)



(d)



Q30. Which of the following letter will replace the question mark (?) in the given series?

N, P, R. T, V, X, ?

(a) R
(b) M
(c) S
(d) Z

Q31. Which two signs should be interchanged to make the given equation correct?

8 = 5 - 31 + 12 ÷ 2 × 15

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

Q32. In a certain code language, 'PASTA' is written as 'AP19AT'. How will 'VOCAL' be written in that language?

(a) OV3LA
(b) OVL3A
(c) OU8AL
(d) O3VLA

Q33. Three sparrows A, B, and C are sitting on an electrical wire in a straight line facing south. Three crows X, Y, and Z are sitting on another parallel electric wire facing north. A is sitting to the immediate left of B, and A is facing Z. If B sits between A and C, and C is facing Y, then who is to the immediate right of Y?

(a) A
(b) X
(c) B
(d) Z

Q34. Select the option that is related to third letter cluster in the same way as the second letter cluster is related to the first letter cluster.

STUDY : TUVEZ :: HUMBLE : ?

(a) IVNFCM
(b) IVNCMF
(c) INVCMF
(d) IVNCFM

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Q35. Select the option that is related to the third number in the same way as the second number is related to the first number.

11 : 1342 :: 7 : ?

(a) 340
(b) 350
(c) 360
(d) 250

Q36. 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 apple is tasty.

Some tasty are bitter.

Conclusions :

I. Some apples are bitter.

II. No tasty is an apple.

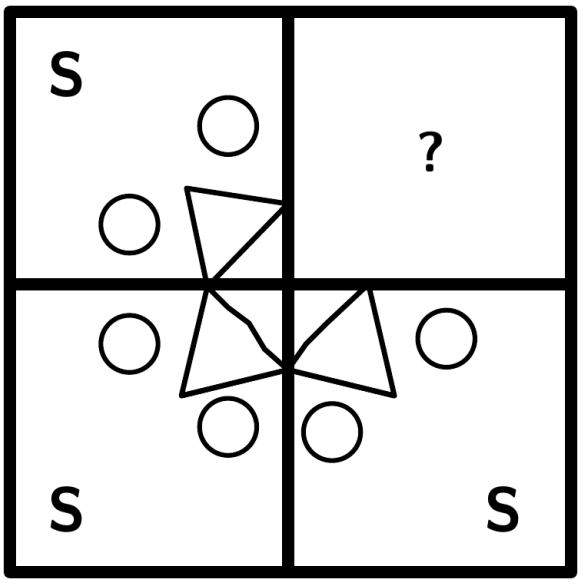
(a) Both conclusions I and II follow.
(b) Only conclusion I follows.
(c) Only conclusion II follows.
(d) Neither conclusion I nor II follow.

Q37. In the following question, select the missing number of the given series.

4, 6, 8, 10, ?, 14

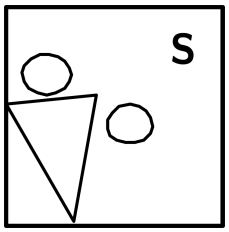
(a) 14
(b) 12
(c) 11
(d) 15

Q38. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

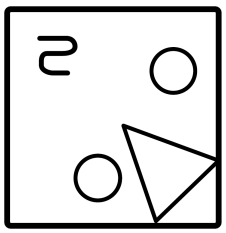


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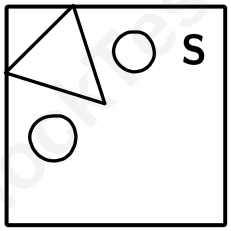
(a)



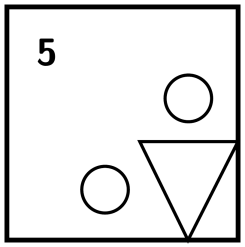
(b)



(c)



(d)



Q39. 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 houses are flats.

Some flats are spacious.

All spacious are expensive.

Conclusions :

I. Some flats are expensive.

II. Some houses are spacious.

(a) Both conclusions I and II follow

(b) Only conclusion I follows

(c) Neither conclusion I nor II follows

(d) Only conclusion II follows

Q40. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

ABC : EWJ :: JHK : NCR :: PMT : ?

(a) TJC

(b) TGA

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(c) THA
(d) TIB

SESSION 2

Q41. Snails is an example of which of the phylum of animal kingdom?
(a) Mollusca
(b) Arthropoda
(c) Protochordate
(d) Annelida

Q42. Mallika Sarabhai was awarded with Padma Bhushan (2010) - for contirbution to Performing Arts. She was highly recognized for which dance forms?
(a) Kathakali and Odissi
(b) Manipuri and Odissi
(c) Kathak and Bharatanatyam
(d) Kuchipudi and Bharatanatyam

Q43. Which of the following dance is particular to the women of the Kamad tribe?
(a) Terataal dance
(b) Mask dance
(c) Bhutia dance
(d) Garai dance

Q44. "Goitre" is a disease of which of the following glands?
(a) Thyroid gland
(b) Pituitary gland
(c) Pancreas
(d) Adernal gland

Q45. Which of the following is an agro-based industry?
(a) Aluminium
(b) Iron and Steel
(c) Coal
(d) Sugar

Q46. What is the currency of Bangladesh, a neighbouring country of India?
(a) Kyat
(b) Taka
(c) Ngultrum
(d) Yuan

Q47. Under which amendment act, article 51A (k) of the Indian constitution was inserted in the constitution?
(a) Eighty - second amendment Act
(b) Eighty - sixth amendment Act
(c) Eighty - first amendment Act
(d) Eighty - fourth amendment Act

Q48. Henry Louis Vivian Derozio was a teacher of which college in 1820s?
(a) Hindu college, Calcutta
(b) Banaras Engineering college, Varanasi
(c) Indian Institute of science, Bangalore
(d) Sanskrit college, Varanasi

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Q49. The upper portion of the mantle is called _____.

(a) asthenosphere
(b) mesosphere
(c) barosphere
(d) lithosphere

Q50. After the victory over Sakas, who among the following adopted the title of 'Vikramaditya'?

(a) Chandragupta I
(b) Kumaragupta I
(c) Skandagupta
(d) Chandragupta II

Q51. Who presents the annual budget before the Lok Sabha?

(a) Union Finance Minister
(b) Comptroller and Auditor General of India
(c) Defence Minister
(d) Home Affairs Minister

Q52. The famous Pandav Leni Caves is located in which of the following states?

(a) Odisha
(b) Kerala
(c) Bihar
(d) Maharashtra

Q53. The materials, through which things can be seen, are called _____.

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

Q54. As of 2022, who is the India's last living Sadhir dancer honoured with Padma Shri Award in 2022?

(a) R Muthukannammal
(b) Rukmini Devi Arundale
(c) Manjamma Jogati
(d) Baisali Mohanty

Q55. The Gram Sabha is a meeting of all adults who live in the area covered by a _____.

(a) district
(b) panchayat
(c) state
(d) city

Q56. Which freedom fighter of British India is widely regarded as the "father of the two-nation theory"?

(a) Bal Gangadhar Tilak
(b) Syed Ahmed Khan
(c) Jawaharlal Nehru
(d) Muhammad Ali Jinnah

Q57. The concept of "Amendment of the Constitution" in the Indian Constitution was borrowed from the constitution of which of the following countries?

(a) Canada
(b) South Africa
(c) Australia
(d) Germany

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Q58. India's total length of coastline of the mainland including Andaman and Nicobar and Lakshadweep is _____.

(a) 7416.6 km
(b) 7516.6 km
(c) 7616 km
(d) 7716 km

Q59. Which act was passed by the British Parliament to control the territories of the East India Company majorly in Bengal in the year 1773?

(a) Government of India Act
(b) Indian Councils Act
(c) Charter Act
(d) Regulating Act

Q60. According to census 2011, what is the population (nearest value) of tribals in India?

(a) 10.42 crore
(b) 16.45 crore
(c) 14.45 crore
(d) 12.45 crore

Q61. Indian musician Ustad Alla Rakha Qureshi is associated with _____ musical instrument.

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

Q62. The terms = Dribbling, passing, shooting are associated with which sport?

(a) Basketball
(b) Badminton
(c) Shooting
(d) Cricket

Q63. In February 2022, Indian Government launched which operation to bring back Indians stranded in Ukraine?

(a) Operation Moscow
(b) Operation Ganga
(c) Operation Kiev
(d) Operation Flood

Q64. Olympic Games 1952 were held in which of the following places?

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

Q65. The grading system used by the Mughals to fix rank, salary and military responsibilities is called _____.

(a) Iqta system
(b) Ryotwari system
(c) Mansabdari system
(d) Mahalwari system

Q66. Direction: Select the most appropriate synonym of the given word.

Enthuse

(a) Carefree
(b) Fondle
(c) Unbothered
(d) Lazy

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Q67. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Raising temperatures in the springtime signal plants and animals to come alive.

(a) animals to come alive.
(b) No error
(c) springtime signal plants and
(d) Raising temperatures in the

Q68. Direction: Select the word from the options which is similar in meaning to the bracketed part given in the sentence below.

I was (feeling afraid) that something bad would happen.

(a) Sacred
(b) Scared
(c) Divine
(d) Bold

Q69. Direction: Select the most appropriate option to fill in the blank.

There was a general hesitation and _____ to ignore the problem.

(a) Denigrate
(b) Demur
(c) Disposition
(d) Deride

Q70. Direction: Select the most appropriate word for the given group of words.

The branch of physics concerned with the properties of sound

(a) Apiary
(b) Anarchist
(c) Anchor
(d) Acoustics

Q71. Direction: Select the most appropriate word for the given group of words.

A historical account or biography written from personal knowledge

(a) Chronicle
(b) Memoir
(c) Thesis
(d) Blog

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

Eight years ago, she founded / Humans of Bombay, inspired of / the single idea - we all want to be heard.

(a) Eight years ago, she founded
(b) the single idea - we all want to be heard.
(c) No error
(d) Humans of Bombay, inspired of

Q73. Direction: Four words are given, out of which three are spelt correctly. Choose the incorrectly spelt word.

(a) BEWILDERS
(b) STILETTOS
(c) UNFORESEEN
(d) VISCIOUS

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

Harry stepped in, his head almost _____ the sloping ceiling, and blinked.

(a) cuddling
(b) touching
(c) embracing

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(d) grasping

Q75. Direction: The statement below has been given with bracketed text. Select the option with correct idiom for the bracketed text.

You all look great in your costumes! (Good luck!)

(a) Don't swear it
(b) Come again
(c) Break a leg
(d) Spit it out

Q76. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

She was born with full sight and hearing.

(a) full sighting
(b) full sighted
(c) fully sight
(d) No improvement

Q77. Direction: Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) Its sanctions are based on compairisons between the two companies.
(b) She is going to divorce him on the grounds of adultary.
(c) I was a bit depressed by our apparant lack of progress.
(d) Urban dwellers often accept noise as part of city life.

Q78. Direction: Select the most appropriate option to fill in the blank.

Bushfire in Australia has _____ the conditions of many animals in the forest.

(a) surpassed
(b) worsened
(c) maintained
(d) fortified

Q79. Direction: Select the most appropriate meaning of the given idiom.

A bad egg

(a) A very small insignificant amount
(b) To be frustrated
(c) To calm down
(d) A bad person

Q80. 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'.

I assisted him to undo the (task after I finished my work).

(a) task after I had finished my work
(b) task after I will finish my work
(c) No substitution required
(d) task after I will have finished my work

Q81. Direction: Select the word from the options that is exactly opposite in meaning to the bracketed word given in the sentence below.

The pandemic has seen soaring home prices and record housing (insecurity).

(a) Hesitancy
(b) Firmness
(c) Self-doubt
(d) Pretence

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

Look in a mirror and take your _____ with each step.

(a) time
(b) ages
(c) hostage
(d) plague

Q83. Direction: Select the most appropriate antonym of the given word.

Satisfactory

(a) Inadequate
(b) Diminish
(c) Morose
(d) Revive

Q84. 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'.

Though they allow celebrities and famous people to take pictures (inside the museum, but they does not allow the general public) to do the same.

(a) inside the museum, they do not allow the general public
(b) inside the museum, but do not allowing the general public
(c) No substitution required
(d) inside the museum, they does not allow general public

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

Have you ever gone into/ a high-street shop wearing/ a pair of cycling shorts?

(a) No error
(b) Have you ever gone into
(c) a pair of cycling shorts?
(d) a high-street shop wearing

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.

Metal allergies can begin to act up ____ (1) __ minutes of putting earrings in your ears. Some people can go a few hours before having to __ (2) __ the earrings out, but some can barely stand the __ (3) __ enough to bother putting earrings in at all. This can be discouraging for those of us __ (4) __ love to wear earrings, but fortunately hypoallergenic jewellery for __ (5) ____ ears exists!

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

(a) with
(b) within
(c) about
(d) of

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

(a) take
(b) hand
(c) make
(d) expel

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

(a) burn
(b) bomb
(c) discomfort

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(d) knife

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

(a) which
(b) that
(c) who
(d) whom

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

(a) rustic
(b) soft
(c) sensitive
(d) modern

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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