SSC MTS 2024 Official Paper (Held On: 22 Oct, 2024 Shift 3) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2024 • 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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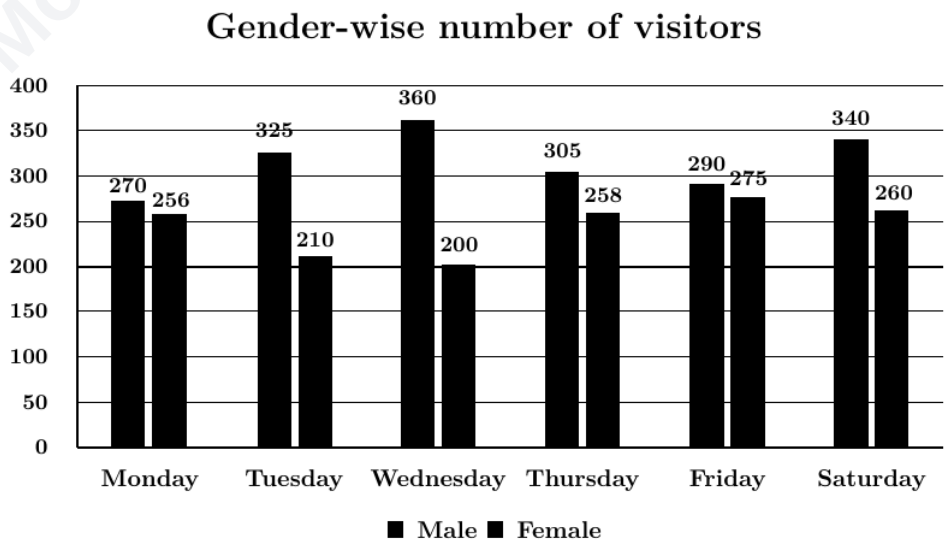
Scan the QR code or click the link to open it.

SESSION 1

Q1. Find the simple interest (in Rs.) on Rs. 3500 as a sum borrowed at 5% per year rate of interest for 6 years.

(a) 1050
(b) 1090
(c) 1010
(d) 990

Q2. The bar graph shows the gender-wise number of visitors in a library over 6 days.



Find the ratio of the number of male and female visitors on the day having maximum visitors.

(a) 65 : 42
(b) 9 : 5
(c) 58 : 55
(d) 17 : 13

Q3. The average weight of 16 containers is 80 kg. If 8 new containers are added, the new average increases by 2.5 kg. The average weight of the 8 new containers is:

(a) 87.5 kg
(b) 82.5 kg
(c) 87 kg
(d) 160 kg

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Q4. Pooja invested a certain sum in a scheme at simple interest of r% per annum for 12.5 years and got interest equal to 3/4 of sum invested.

(a) 53/4
(b) 6
(c) 4
(d) 71/2

Q5. If the total surface area of a hemisphere is 1848 m^2, then the diameter (in m) of the hemisphere is: (Use $\pi = 22/7$)

(a) 14
(b) 7
(c) 21
(d) 28

Q6. A farmer mixes two varieties of rice of price Rs. 60 per kg and Rs. 30 per kg in the ratio of 1:2. He sold the mixture for Rs. 3,000 to earn a profit of 25%. Find the quantity of rice of cost Rs. 60 per kg used in the mixture.

(a) 22 kg
(b) 18 kg
(c) 15 kg
(d) 20 kg

Q7. The cost price of some table lamps is Rs. 25,000. The shopkeeper will get Rs. 15,000 more If he sells these table lamps for Rs. 1,200 per lamp instead of Rs. 900 per lamp. Find the selling price of 23 table lamps if he earned 21% profit.

(a) Rs. 14,917
(b) Rs. 13,915
(c) Rs. 12,919
(d) Rs. 12,585

Q8. The given table shows data for the month of April 2023.

Company	Total number of employees	Number of female employees
W	16258	7580
X	12350	6950
Y	13090	7850
Z	14780	8590

What is the difference between the number of male employees in company Z and that in company X?

(a) 975
(b) 790
(c) 820
(d) 680

Q9. Find the area of an equilateral triangle whose side is 16 cm.

(a) $60\sqrt{3}$ cm^2
(b) $68\sqrt{3}$ cm^2
(c) $64\sqrt{3}$ cm^2
(d) $62\sqrt{3}$ cm^2

Q10. Find the simple interest (in Rs.) on Rs. 3500 as a sum borrowed at 3% per year rate of interest for 4 years.

(a) 460
(b) 420
(c) 380
(d) 360

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Q11. A train 315 m long is running at a speed of 54 km/h. What time will it take to cross a pole on its route?

(a) 18 s
(b) 19 s
(c) 21 s
(d) 20 s

Q12. The mean of the first 7 odd prime numbers is (rounded off to two decimal places):

(a) 7.91
(b) 5.41
(c) 8.61
(d) 10.71

Q13. Find the LCM of 9, 21 and 63

(a) 72
(b) 63
(c) 3
(d) 9

Q14. A's salary increases by 60% and then decreases by 30%. On the whole, A's salary is increased by _____?

(a) 48%
(b) 30%
(c) 12%
(d) 72%

Q15. A solid metal cone of height 30 cm and radius of base 10 cm is melted in to the form of a solid sphere. Find the radius of the sphere (in cm).

(a) 6√5
(b) 5cbrt6
(c) 6cbrt5
(d) 5√6

Q16. Find the average of the the first 15 multiples of 5.

(a) 40
(b) 30
(c) 35
(d) 45

Q17. If the cost price of an article is 70.5% of its selling price, what is the profit percentage (rounded off to 1 decimal place)?

(a) 42.7%
(b) 51.6%
(c) 41.8%
(d) 39.5%

Q18. A shopkeeper gives 4 shirts free on buying 6 shirts. Find the percentage of discount given to the customers.

(a) 30%
(b) 10%
(c) 20%
(d) 40%

Q19. Find the fourth proportional of 4a + 7, 11a + 3 and 6a if a = 2.

(a) 20
(b) 15
(c) 25
(d) 30

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Q20. Ravi walks a circular track of 1680m in circumference. If the speed of Ravi is 140m/min, then the time to cover one round is equal to:

(a) 8 min
(b) 14 min
(c) 10 min
(d) 12 min

Q21. FRNQ is related to LXTW in a certain way based on the English alphabetical order. In the same way, XJFI is related to DPLO. To which of the following is VHDG related, following the same logic?

(a) BMNJ
(b) BJMN
(c) MNJB
(d) BNJM

Q22. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their 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.)

(18, 16, 34)

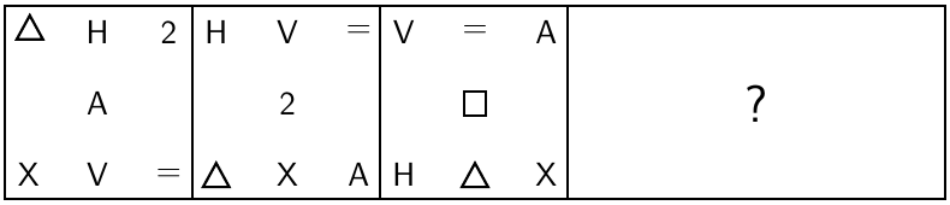
(21, 19, 40)

(a) (32, 10, 42)
(b) (39, 10, 53)
(c) (22, 41, 73)
(d) (23, 12, 76)

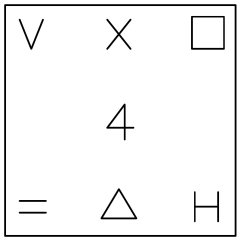
Q23. Six people—A, B, C, D, E, and F—are sitting around a circular table, facing the centre (but not necessarily in the same order). A is an immediate neighbour of both E and F. C is second to the left of F. B is not is an immediate neighbour of E. What is the position of D?

(a) Immediate left of A
(b) Immediate left of C
(c) Second to the right of B
(d) Immediate left of F

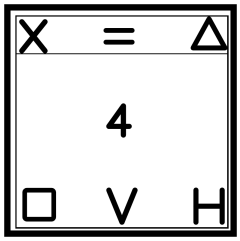
Q24. Select the figure from among the given options that can replace the question mark (?) in the following series and complete the pattern.



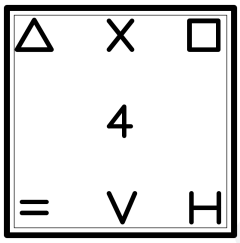
(a)



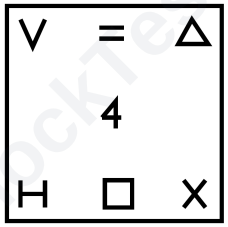
(b)



(c)



(d)



Q25. In a certain code language, ‘car is fast'' is written as ‘gq ip eb’ and ‘fast and furious’ is writtenas ‘hp qm ip’. How is ‘fast’ writtenin the given language?

(a) ip
(b) eb
(c) gq
(d) hp

Q26. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements: All papers are files. All files are secret.

Conclusions:

(I) All papers are secret.

(II) All secrets are files.

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

Q27. In a certain code language, ‘LOST’ is coded as ‘5197’ and ‘TURN’ is coded as ‘4562’. What is the code for ‘T’ in that language?

(a) 1
(b) 5
(c) 6
(d) 7

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Q28. 127 is related to 218 following a certain logic. Following the same logic, 3 is related to 10.To which of the following is 29 related, following the same logic?

(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.)

(a) 63
(b) 67
(c) 66
(d) 68

Q29. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

EFD, JKI, OPN, TUS, ?

(a) EVF
(b) GUH
(c) YZX
(d) EFU

Q30. JJDA is related to QQKH in a certain way based on the English alphabetical order. In the same way, ENHE is related to LUOL. To which of the following is TTNK related, following the same logic?

(a) AUAR
(b) AAUR
(c) AURA
(d) URAA

Q31. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All oranges are apples.

Some apples are kiwis.

Conclusions:

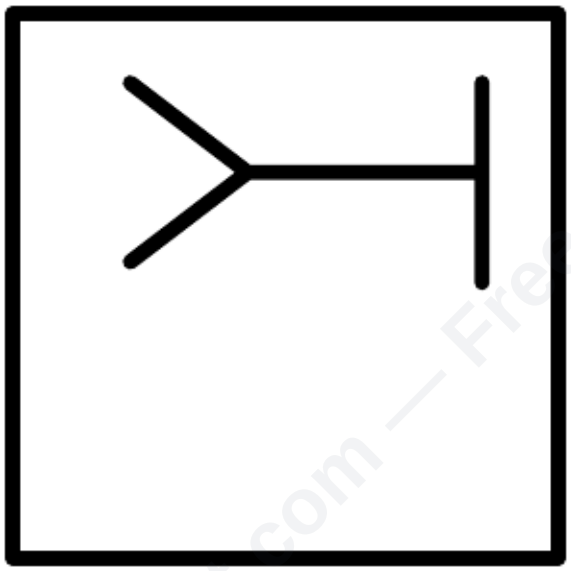
(I) Some oranges are not kiwis.

(II) All apples are oranges.

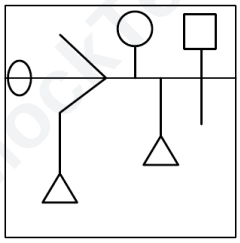
(a) Both conclusion I and II follow
(b) Only conclusion II follows
(c) Neither conclusion I nor II follows
(d) Only conclusion I follows

Q32. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

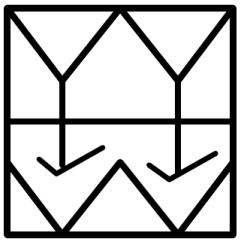
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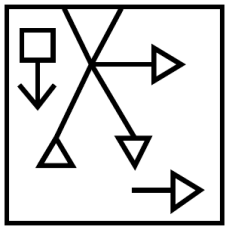
(a)



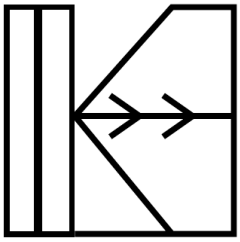
(b)



(c)



(d)



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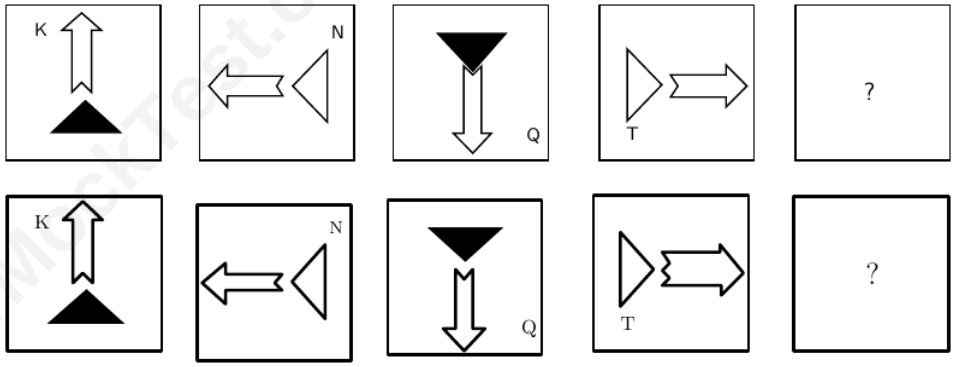
Q33. A, B, C, D, E, F and G are sitting around a circular table facing the centre (but not necessarily in the same order). G sits third to the right of A. D sits third to the right of G. E is an immediate neighbour of both A and F. C sits third to the right of F. How many people sit between E and D when counted from the right of E?

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

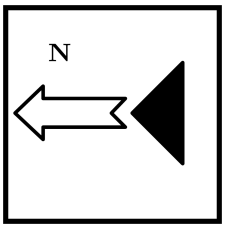
Q34. In a certain code language, 'bat ball game' is written as 'mq mp mr' and 'game hockey football' is written as 'mp mt ml' and 'ball player umpire' is written as 'mr mb me'. How is 'bat' written in the given language?

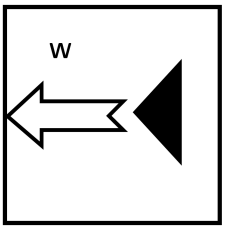
(a) mb
(b) ml
(c) mq
(d) mt

Q35. Identify the figure given in the options which when put in place of ? will logically complete the series.

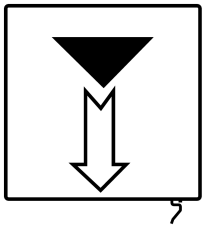


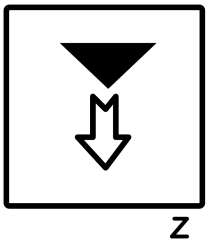
(a)



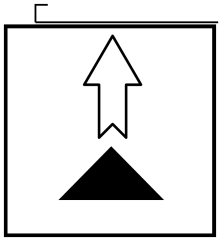


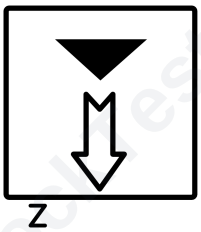
(b)



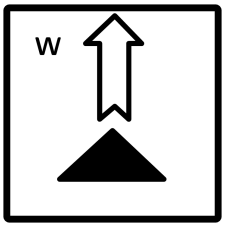


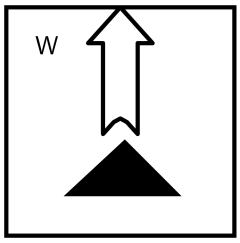
(c)





(d)





Q36. Which two signs should be interchanged to make the given equation correct?

56 ÷ 8 × 45 + 4 − 23 = 164

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

Q37. In a certain code language, ‘EXIT’ is coded as ‘1937’ and ‘ZERO’ is coded as ‘6829’.What is the code for ‘E’ in the given code language?

(a) 8
(b) 2
(c) 1
(d) 9

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Q38. What will come in the place of the question mark (?) in the following equation if '÷' and '+' are interchanged and '−' and '×' are interchanged?

13 − 3 ÷ 4 − 9 ÷ 10 − 3 × 20 + 5 = ?

(a) 86
(b) 111
(c) −15
(d) 101

Q39. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q40. Select the number from among the given options that can replace the question mark (?) in the following series.

33, 37, 46, 62, 87, ?

(a) 124
(b) 122
(c) 123
(d) 121

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SESSION 2

Q41. In 2018, Ganesh and Kumaresh Rajagopalan won the Sangeet Natak Akademi Award for Carnatic instrumental music. For playing which instrument did they win this award?

(a) Violin
(b) Sarod
(c) Veena
(d) Sarangi

Q42. Which of the following diseases is detected by the Widal test?

(a) Pneumonia
(b) Typhoid
(c) Diphtheria
(d) Influenza

Q43. In which language was 'Mudraraksha' play written by Vishakhadatta?

(a) Telugu
(b) Tamil
(c) Hindi
(d) Sanskrit

Q44. What does M stand for in BHIM-UPI?

(a) Monetary
(b) Mobile
(c) Money
(d) Monthly

Q45. As per Census 2011, what is the literacy rate of India?

(a) 65.46%
(b) 74.04%
(c) 82.14%
(d) 70%

Q46. Constipation could be a sign that the person in suffering from a lack of _____.

(a) Calcium
(b) Dietary Fibre
(c) Vitamin
(d) Protein

Q47. The Directive Principles of State Policy in the Indian Constitution are borrowed from which country's constitution?

(a) The Constitution of the United States
(b) The Constitution of Ireland
(c) The Constitution of the United Kingdom
(d) The Constitution of the Soviet Union

Q48. In which of the following years did Lord Curzon announce the partition of Bengal?

(a) 1905
(b) 1914
(c) 1900
(d) 1909

Q49. Which of the following is NOT a qualification/eligibility to become the President of India?

(a) Must be a citizen of India
(b) Must be qualified for election as a member of the house of the people
(c) Must have completed the age of thirty-five years

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(d) Must hold any office of profit

Q50. Losoong festival is predominantly celebrated in Sikkim by which of the following tribes?

(a) Bhil
(b) Khasi
(c) Kurumba
(d) Bhutia

Q51. Which is the largest agro-based industry of India?

(a) Tea industry
(b) Cotton textile industry
(c) Edible oil industry
(d) Sugar industry

Q52. Which of the following dynasties of the Delhi Sultanate finally annexed Jaunpur into the empire of Delhi Sultanate?

(a) Lodi dynasty
(b) Khalji dynasty
(c) Tughlaq dynasty
(d) Sayyid dynasty

Q53. The property by virtue of which carbon can form a C-C covalent bond is called _____.

(a) allotropy
(b) covalency
(c) tetravalency
(d) catenation

Q54. _____ received Padma Shri 2017 award for being an exponent of Nagpuri folk dance Jhumar.

(a) Lakhiram Sinha/Bhanupr Singh
(b) Purusottam Upadhyay
(c) Chemancheri Kunhiraman Nair
(d) Mukund Nayak

Q55. Who wrote the novel 'The Catcher in the Rye'?

(a) HG Wells
(b) Ernest Hemingway
(c) Mark Twain
(d) JD Salinger

Q56. Which of the following events and their hosts is correctly matched?

(a) ICC World Cup Men Cricket 2011 – Australia and New Zealand
(b) ICC World Cup Men Cricket 2015 – India, Sri Lanka, Bangladesh
(c) ICC World Cup Men Cricket 2019 – England and Wales
(d) ICC World Cup Men Cricket 2007 – England

Q57. The Panchpatmali mineral deposit region is located in which state from the following?

(a) Haryana
(b) Odisha
(c) Himachal Pradesh
(d) Rajasthan

Q58. In 2023, the Government of India has proposed to set up how many new ‘Waste to Wealth’ plants under GOBARdhan?

(a) 250
(b) 500
(c) 450

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(d) 300

Q59. Tirot Sing was the leader of which of the following revolts?

(a) Khasi uprising
(b) Sanyasi Revolt
(c) Poligars's Revolt
(d) Singpho's Rebellion

Q60. To which state does the Indian tennis player Sumit Nagal belong?

(a) Odisha
(b) Maharashtra
(c) Haryana
(d) Karnataka

Q61. Which Indian Member of Parliament was given the 'India UK Outstanding Achievers Honour' in January 2023?

(a) Haji Fazlur Rehman
(b) Hemant Sriram Patil
(c) Raghav Chadha
(d) Hanuman Beniwal

Q62. _____ dance is embedded in the stories from the epics Mahabharata, Ramayana and Puranas.

(a) Kathakali
(b) Kuchipudi
(c) Sattriya
(d) Odissi

Q63. The Dravidian style of temple architecture can be largely seen from which part of India?

(a) Western India
(b) Northern India
(c) Eastern India
(d) Southern India

Q64. In India, who introduced the idea of the poverty line for the first time?

(a) Dadabhai Naoroji
(b) Dr. BR Ambedkar
(c) Mahatma Gandhi
(d) Jawaharlal Nehru

Q65. Layers of varying thickness are found in which type of rock?

(a) Igneous rock
(b) Sedimentary rock
(c) Metamorphic rock
(d) Volcanic rock

Q66. Select the most appropriate option that can substitute the highlighted word(s) in the given sentence.

Anybody can solve this problem if he tried.

(a) if they were tried
(b) if they try
(c) because they try
(d) for they tried

Q67. Select the most appropriate synonym of the given word.

Intractable

(a) Defiant
(b) Proper

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(c) Versatile
(d) Compliant

Q68. Select the option that can be used as a one-word substitute for the given group of words:
Constant efforts to achieve something
(a) Revert
(b) Perseverance
(c) Euphemism
(d) Perspicacious

Q69. Select the most appropriate option that can substitute the underlined segment in the given sentence.
It is all one whether I go today or tomorrow.
(a) together
(b) in one piece
(c) just the same
(d) proper

Q70. Select the most appropriate option to fill in the blank.
My mother always _____ to help people.
(a) turns a deaf ear
(b) takes a rain check
(c) goes the extra mile
(d) breaks the bank

Q71. Select the most appropriate option that can substitute the underlined segment in the given sentence.
Universal high-quality education is the best way forward for developing and maximising our country's rich talents and resources for the good in the individual, the society, the country and the world.
(a) good on the individual
(b) good of the individual
(c) good for the individual
(d) good by the individual

Q72. Select the option that can be used as a one-word substitute for the highlighted group of words in the given sentence.
That scientist worked relentlessly to improve the instrument for measuring electric current.
(a) thermometer
(b) ammeter
(c) calculator
(d) compass

Q73. Which of the following words is a synonym of 'Evanescent'?
(a) Exemplary
(b) Imitation
(c) Delicious
(d) Fleeting

Q74. Select the correctly spelled sentence.
(a) The athlete ran quickly across the finish line.
(b) The athaete ran quickly across the finish line.
(c) The athlet ran quickly accross the finish line.
(d) The athleite ran quickley across the finish line.

Q75. Select the option that rectifies the spelling error of the underlined word.
Preserving our planet's biodiversity is essential for the health and sustainibility of ecosystems and human life.
(a) sustainabity
(b) sustainability

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(c) sustainabelty
(d) sustonbility

Q76. Select the most appropriate synonym of the given word.

Recluse

(a) Closeness
(b) Solitary
(c) Sociable
(d) Candid

Q77. Select the grammatically correct sentence from the given options.

(a) It is too stranger to see a guy shouting in the mall without any reason.
(b) It is too stranger to see a guy shout in the mall without any reason.
(c) It is too stranger to see a guy shouting in the mall beside any reason.
(d) It is strange to see a guy shouting in the mall without any reason.

Q78. Identify the sentence with an error with respect to the use of present tense.

(a) She singing romantic songs.
(b) She sings romantic songs.
(c) She has been singing songs.
(d) She has sung romantic songs.

Q79. Select the grammatically correct sentence.

(a) Having belief in yourself is the big key to success.
(b) Having belief in yourself is the most bigger key to success.
(c) Having beliefs in yourself is the bigger key to success.
(d) Having belief in yourself is the biggest key to success.

Q80. Select the most appropriate option to fill in the blank.

It is being asked why there has been no _____ taken yet.

(a) action
(b) distribution
(c) simplification
(d) attribution

Q81. Select the INCORRECTLY spelt word.

(a) lying
(b) tabular
(c) written
(d) calender

Q82. Select the most appropriate ANTONYM of the underlined word.

They reinvested in their trades and indulged in unobtrusive consumption at home.

(a) Faint
(b) Preposterous
(c) Conspicuous
(d) Obscure

Q83. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

Spanish person are well known worldwide / for their warm hospitality / and food.

(a) No error
(b) and food
(c) for their warm hospitality
(d) Spanish person are well known worldwide

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Q84. Select the option that will improve the underlined part of the given sentence.

Indeed, Jack is one of the clever men I have ever met.

(a) clever
(b) the cleverest
(c) most clever
(d) cleverer

Q85. Select the most appropriate option to fill in the blank.

The street is crowded. You could easily get lost in this _____.

(a) maze
(b) haze
(c) phase
(d) raze

Directions

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

It (1)_____ no discriminations to nationality, race, religious beliefs, class or political opinions. It endeavours to (2)_____ the suffering of individuals, being guided solely by (3)_____ needs, and to give priority to the (4)____ urgent cases of distress. It promotes mutual understanding, friendship, cooperation and lasting peace (5)_____ all people.

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

(a) had made
(b) make
(c) made
(d) makes

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

(a) clear
(b) decreased
(c) relieve
(d) increase

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

(a) his
(b) their
(c) her
(d) your

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

(a) more
(b) most
(c) high
(d) least

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

(a) amongst
(b) at
(c) of
(d) into

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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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