SSC MTS (2022) Official Paper (Held On: 15 Jun, 2023 Shift 2) (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. The ratio of selling price to the cost price is 8 : 11. What is the loss percentage?

(a) 33.33 percent
(b) 27.27 percent
(c) 26.66 percent
(d) 28.56 percent

Q2. P, Q and R alone can do a piece of work in 5, 6 and 4 days respectively. All three of them began the work together but Q left 1 days before completion of the work. In how many days was the work completed?

(a) 70/37 days
(b) 100/27 days
(c) 3 days
(d) 80/23 days

Q3. Two cubes each of edge 14 cm are joined to form a single cuboid. What is the volume of the cuboid formed?

(a) 5022 cm3
(b) 5244 cm3
(c) 5666 cm3
(d) 5488 cm3

Q4. Two successive discounts of 10 percent and 15 percent are given by Rajat on a shirt. If the marked price of the shirt is Rs. 800, then what is the value of discount?

(a) Rs. 216
(b) Rs. 176
(c) Rs. 195
(d) Rs. 188

Q5. In a box, the ratio of number of green stones to black stones is 5 : 8. If there are 24 black stones, then how many total stones are in the box?

(a) 13
(b) 39
(c) 26
(d) 24

Q6. If P = 400 and Q = 600, then P is how much percentage less than Q?

(a) 22.2 percent
(b) 42.5 percent
(c) 33.33 percent
(d) 50 percent

Q7. The compound interest on Rs. 1,00,000 at 25% per annum for 2 years compounded annually is:

(a) Rs. 57650
(b) Rs. 50250
(c) Rs. 56250
(d) Rs. 52255

Q8. What is the value of √(1.6 × 1.6+0.9 × 0.9+3.2 × 0.9) ?

(a) 6.5
(b) 2.5
(c) 6.25
(d) 5.5

Q9. Two trains are moving in the same direction at the speed of 44 km/hr and 70 km/hr. The time taken by faster train to cross a man sitting in the slower train is 72 seconds. What will be the length of the faster train?

(a) 520 metres
(b) 620 metres
(c) 450 metres
(d) 500 metres

Q10. A sum of Rs. 3000 becomes Rs. 4320 in 2 years at a certain rate of compound interest (compounding annually). How much this sum will become after 4 years?

(a) Rs. 7568.5
(b) Rs. 6220.8
(c) Rs. 6516.8
(d) Rs. 5128.5

Q11. The length of a cuboid is 4 cm. If the breadth of the cuboid is four times of its length and height of the cuboid is twice of its length, then what is the lateral surface area of the cuboid?

(a) 380 cm2
(b) 440 cm2
(c) 260 cm2
(d) 320 cm2

Q12. The average weight of a group of 20 persons is 40 kg. The average weight of another group of 40 persons is K kg. If the average weight of all the 60 persons is 60 kg, then what is the value of K?

(a) 80
(b) 60
(c) 40
(d) 70

Q13. What is the value of (180 ÷ 15-12+13)/(4 of 3+1) ?

(a) 4
(b) 11
(c) 0
(d) 1

Q14. What is the HCF of 2.7 and 20.25?

(a) 1.45
(b) 1.35
(c) 16.5
(d) 15.5

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Q15. A alone can do a work in 25 days and B alone can do the same work in 40 days. They worked together and were paid a total of Rs. 5200, What is the difference between their shares?

(a) Rs. 1000
(b) Rs. 800
(c) Rs. 1200
(d) Rs. 600

Q16. Vyom purchased 40 dozen peas at the rate Rs. 56 per dozen He sold 15 dozen at 20 percent profit and the remaining 25 dozen at 10 percent profit. What is his profit percentage?

(a) 12.5 percent
(b) 16.66 percent
(c) 11.25 percent
(d) 13.75 percent

Q17. The table given below shows the production of tea by two companies A and B in 6 years.

Companies	A	B
Y1	60	75
Y2	80	90
Y3	70	50
Y4	50	40
Y5	45	35
Y6	55	45

What is the sum of the average production of tea by B in years Y1 and Y2 and the average production of tea by A in year Y3 and Y4?

(a) 136.5
(b) 132.5
(c) 142.5
(d) 149.5

Q18. A child has 50 paisa coins and 1 rupee coins. The ratio of the number of 50 paise and 1 rupee coins is 4 : 3. If he has an amount of Rs. 10, then how many 50 paisa coins does he have?

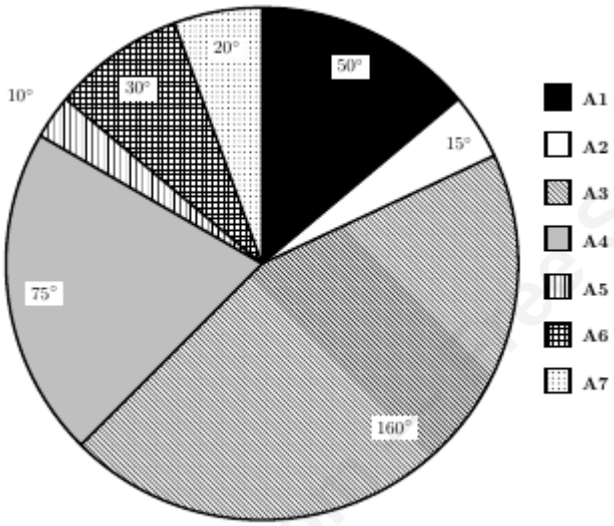
(a) 12
(b) 10
(c) 8
(d) 16

Q19. If 26a + 26b = 234, then what is the average of a and b?

(a) 9
(b) 4.5
(c) 5.5
(d) 5

Q20. The pie chart given below shows the expenditure incurred by a person on 7 articles. The total expenditure of all these 7 articles is 720. Expenditure incurred on a particular article is shown in terms of degree with respect to the total expenditure incurred in all these 7 articles.

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What is the ratio of expenditure incurred on article A2 to expenditure incurred on article A7?

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

Q21. These are seven students - Aaron, Bobby, Chaman, Daman, Shiva, Yogesh and Zaid - sitting in their classroom, facing in the southern direction in such a way that Aaron and Daman do not sit together. Zaid sits second to the left of Shiva. Bobby does not sit with Zaid. Shiva is fourth to the right of Chaman. Aaron and Bobby are not sitting together. Chamas sits in between Daman and Yogesh. Yogesh sits second to the left of the one who sits second to the left of Bobby. Who Will sit at the extreme ends?

(a) Bobby and Daman
(b) Chaman and Yogesh
(c) Zaid and Shiva
(d) Aaron and Bobby

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 sparrows are birds.

Some owls are birds.

Conclusions:

I. No sparrow is an owl.

II. Some sparrows are owls.

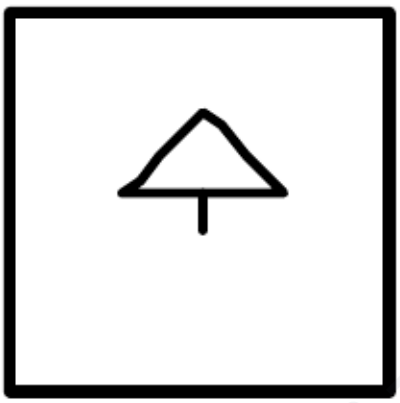
(a) Only conclusion II follows.
(b) Both conclusions I and II follow.
(c) Only conclusion I follows.
(d) Either conclusion I or II follows.

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

67, 57, 49, 43, 39?

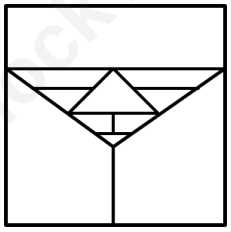
(a) 37
(b) 35
(c) 36
(d) 33

Q24. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

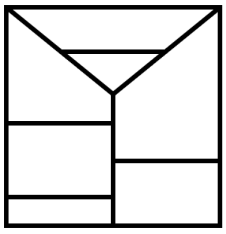


X

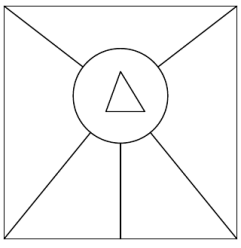
(a)



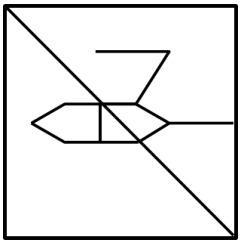
(b)



(c)



(d)



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Q25. Study the given pattern carefully and select the number that can replace the question mark (?) in it.

First row- 47, 52, 57

Second row- 69, 74, 79

Third row- 85, 91, ?

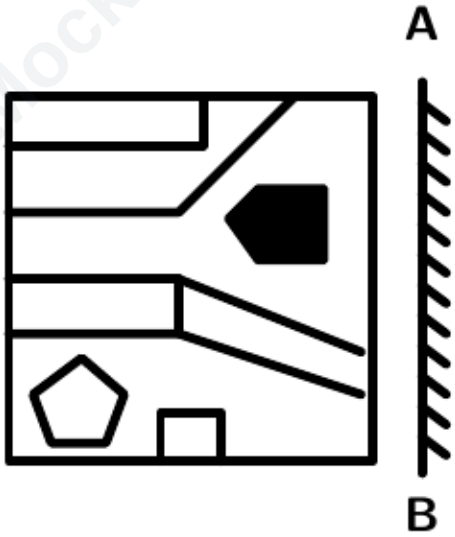
(a) 97
(b) 94
(c) 76
(d) 232

Q26. Select the option that is related to the sixth number in the same way as the first number is related to the second number and third number is related to fourth number.

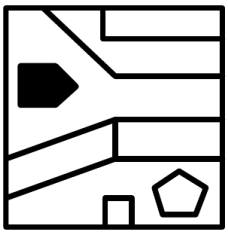
5 : 124 :: 6 : 215 :: ? : 511

(a) 15
(b) 7
(c) 8
(d) 9

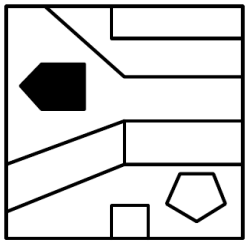
Q27. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



(a)

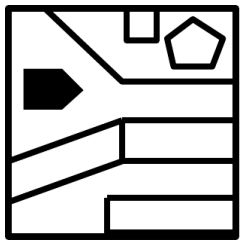


(b)

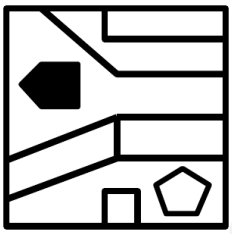


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(c)



(d)



Q28. Which two numbers should be interchanged to make the given equation correct?

3 × 7 − 5 + 2 = 10

(a) 10 and 7
(b) 7 and 5
(c) 3 and 5
(d) 3 and 2

Q29. 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 M are N,

II. Some X are M.

Conclusions:

I. Some X are not N.

II. Some N are not M.

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

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

PEST : LAOP :: POOL : ?

(a) LJJH
(b) LKKG
(c) LKKH
(d) LKKI

Q31. Select the option that is related to the third word in the same way as the second word is related to the first word.

Renowned : Famous :: Terrible : ?

(a) Terrific
(b) Fabulous
(c) Awful
(d) Good

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Q32. In a certain code language, 'ROHINI' is written as '3' and 'BIHAR' is written as '3'. How will 'PRASHANT' be written in that language?

(a) 5
(b) 2
(c) 6
(d) 4

Q33. Which two numbers should be interchanged to make the given equation correct?

144 ÷ 24 × 6 + 12 − 18 = 78

(a) 6 and 18
(b) 24 and 12
(c) 24 and 6
(d) 24 and 18

Q34. Five students Puneet, Karan, Chaman, Dinesh and Ronit having different ages study in same college. Ronit is elder than only Puneet and Karan. Dinesh is younger than only Chaman. Puneet is not the youngest. How many students are elder than Puneet?

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

Q35. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

TABQ, VCET, XEHW, ZGKZ, ?

(a) BJMC
(b) BIND
(c) BJNC
(d) BINC

Q36. In a certain code Lagrange, 'SOUND' is written as '25' and 'ANIMAL' is written as '36'. How will 'COUNTRY' be written in that language?

(a) 49
(b) 39
(c) 51
(d) 64

Q37. In a certain code language, 'LOBSTER' is written as '121521920518'. How will 'CLIMATE' be written in that language?

(a) 3139131305
(b) 3129131205
(c) 3129141206
(d) 3129141205

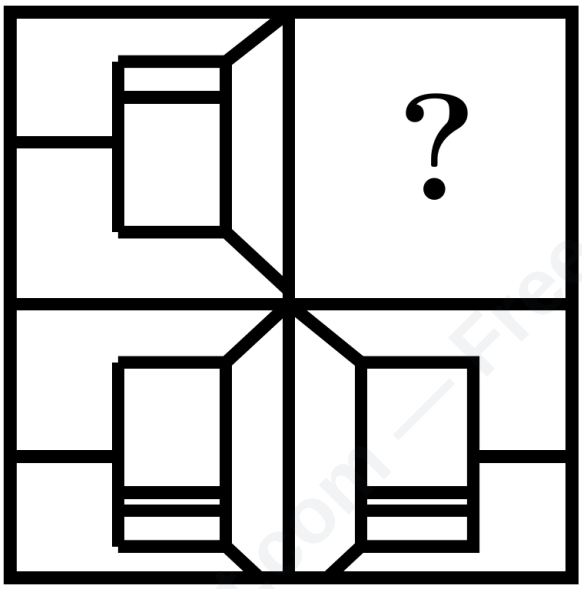
Q38. In the following question, select the missing number of the given series.

35, 22, 43, 14, 51, ?

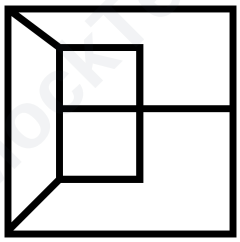
(a) 6
(b) 18
(c) 20
(d) 12

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

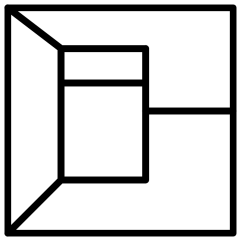
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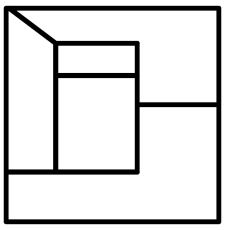
(a)



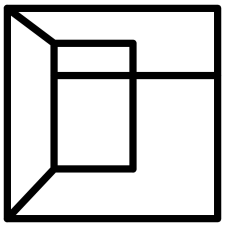
(b)



(c)



(d)



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Q40. Pradeep, Nikku, Rinku, Sohail and Tannu are sitting on a bench facing north. Pradeep is immediate neighbour of Nikku, Sohail is immediate neighbour of Tannu, Pradeep is not sitting with Rinku who sits on the right end of the bench. Pradeep sits to the right of Sohail and Tannu. Sohail sits to the right of Tannu.

In which position Pradeep is sitting?

(a) Second from right
(b) Fourth from left
(c) Third from left
(d) Second from left

SESSION 2

Q41. Shri Pramod Sawant took the oath as the Chief Minister of which state in March 2022?

(a) Goa
(b) Maharashtra
(c) Gujarat
(d) Karnataka

Q42. Which Bill was passed in the Parliament in 2022 to authorise payment certain sums from and out of the Consolidated Fund of India for the services of the financial year 2022-23?

(a) The Finance Bill
(b) The Electricity (Amendment) Bill
(c) The Appropriation Bill
(d) The Wild Life (Protection) Amendment Bill

Q43. Which article of the Indian constitution provides for proclamation of Emergency?

(a) Article 364
(b) Article 352
(c) Article 350
(d) Article 362

Q44. Which activity symbolizes the celebration of Uttarayan festival in Gujarat?

(a) Lighting of Diyas
(b) Kite Flying
(c) Bursting Crackers
(d) Gold Shopping

Q45. Which Indian reformer is regarded as the "Father of Bengali Prose"?

(a) Keshab Chandra Sen
(b) Ishwar Chandra Vidyasagar
(c) Bankim Chandra Chatterjee
(d) Swami Dayanand Saraswati

Q46. As per census 2011, which among the following is the most spoken language of India?

(a) Marathi
(b) Telugu
(c) Hindi
(d) English

Q47. Swami Vivekananda gave his famous speech at the Parliament of World Religions in Chicago in _____.

(a) 1893
(b) 1891
(c) 1892
(d) 1894

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Q48. Which of the following planets has the shortest rotation period?

(a) Mercury
(b) Jupiter
(c) Mars
(d) Venus

Q49. Which among the following is NOT a way to acquire Citizenship of India?

(a) By Renunciation
(b) By Birth
(c) By Registration
(d) By Naturalisation

Q50. Who among the following was daughter of Iltutmish, a ruler of Slave/Mamluk dynasty?

(a) Kubra Noorzai
(b) Harkha
(c) Razia Sultan
(d) Shafiqa Ziayee

Q51. Pandit Birju Maharaj choreographed the song 'Kahe Chhed Mohe' from the movie Devdas. He was mainly associated with which dance form?

(a) Kathak
(b) Bharatanatyam
(c) Kathakali
(d) Odissi

Q52. Brita Dance is the traditional folk dance of which state?

(a) West Bengal
(b) Odhisa
(c) Rajasthan
(d) Uttar Pradesh

Q53. Which famous Indian dancer was given the title of Asthana Narthaki ("Resident Dancer") by the Tirumala Tirupathi Devasthanam temple, India?

(a) Manjamma Jogati
(b) Yamini Krishnamurthy
(c) Rukmini Devi Arundale
(d) Laxmi Narayan Tripathi

Q54. The microorganisms which convert the dead plants and animals to humus are known as _____.

(a) producers
(b) decomposers
(c) autotrophs
(d) herbivores

Q55. Mosquito belongs to _____ phylum of the animal kingdom.

(a) Ctenophora
(b) Chordata
(c) Arthropoda
(d) Mollusca

Q56. At which of the following places are there no major inscriptions of Ashoka?

(a) Girnar
(b) Kandahar
(c) Sanchi
(d) Kalsi

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Q57. _____ was considered as the most important part of some of the earliest Hindu temples.

(a) Shikharas
(b) Garbhagriha
(c) Gatas
(d) Mandapa

Q58. Who is the first Indian woman to have won a Grammy Award?

(a) Anuradha Paudwal
(b) Asha Bhosle
(c) Alka Yagnik
(d) Tanvi Shah

Q59. What is the national sport of Bhutan?

(a) Ice Hockey
(b) Cricket
(c) Archery
(d) Volleyball

Q60. Which state became the first to implement "New Education Policy" at pre-primary level?

(a) Tamil Nadu
(b) Haryana
(c) Kerala
(d) Uttarakhand

Q61. What is the relative charge of a proton and neutron?

(a) −1 and +1 respectively
(b) +1 and −1 respectively
(c) +1 and 0 respectively
(d) −1 and 0 respectively

Q62. Public goods possess which of the following features in the economy?

I. They are non-rivalrous.
II. They are non-excludable.

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

Q63. The months of _____ form a period of transition from hot rainy season to dry winter conditions.

(a) October-November
(b) September-October
(c) December-January
(d) November-December

Q64. Which among the following is an international level professional auto racing sport?

(a) Formula One
(b) Super Bowl
(c) Tour de France
(d) Wimbledon

Q65. Jhum cultivation or shifting cultivation is also known by the name of _____.

(a) Plantation
(b) Mixed farming
(c) Extensive farming
(d) Slash and burn agriculture

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Q66. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

I am wrote a weekly column for the local newspaper.

(a) write a weekly
(b) Write a week
(c) No improvement
(d) writes a weekly

Q67. 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.

His temperament (disposed him to) argue readily with people.

(a) disposed him of to
(b) dispose him to
(c) disposed him off to
(d) No correction required

Q68. Fill in the blank with the most appropriate option.

If it _____ been for him, nobody would even have known Monster was back!

(a) wasn't
(b) hadn't
(c) couldn't
(d) hasn't

Q69. The statement below has been given with bracketed text, Select the option with correct Idiom for the bracketed text.

Mom said these instructions are (not understood by her) and that we should show them to Dad.

(a) Greek to her
(b) smart cookie to her
(c) pound the investment to her
(d) full of beans to her

Q70. Identify the segment that contains a grammatical error. If there is no error, select No error'.

Ben Essenburg is widely known/ as one of the world's best portrayer / of the Everglades.

(a) as one of the world's best portrayer
(b) No Error
(c) of the Everglades.
(d) Ben Essenburg is widely known

Q71. Select the most appropriate synonym of the given word.

Deceive

(a) Betray
(b) Assist
(c) Aid
(d) Release

Q72. Select the word from the options which is similar in meaning to the bracketed word given in the sentence below.

Having begun my life in a children's home I have great (empathy) with the little ones.

(a) Apathy
(b) Passion
(c) Affinity
(d) Hostility

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Q73. Choose the sentence with no spelling error.

(a) Take the offence of "lokcing on".
(b) Take the offence of "locking on".
(c) Take the ofence of "locking on".
(d) Take the ofense of "locking on".

Q74. Four words are given, out of which three words are spelt correctly. Choose the incorrectly spelt word.

(a) INOCULATE
(b) MEMENTO
(c) EQUIPTMENT
(d) CEMETERY

Q75. Select the most appropriate meaning of the given idiom.

Give and take

(a) An aggressive and bold confrontation
(b) Compromise, cooperation between people
(c) A competition where the outcome is difficult to judge or predict
(d) It seems likely, reasonable, or typical

Q76. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

In order to survive, humans need to eat ascorbic acid, also known as vitamin C.

(a) In order to survive, humans
(b) need to eat ascorbic acid, also
(c) known as vitamin C.
(d) No error

Q77. Direction: Choose the word that can substitute the given group of words.

The sleeping rooms in a college or public institution

(a) Dormitory
(b) Convent
(c) Monastery
(d) Arsenal

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

I told you not to give my number to _____.

(a) other
(b) anyone
(c) someone
(d) each one

Q79. Select the most appropriate antonym to substitute the bracketed word in the given sentence.

Their humble attire did little to detract from the air of (imperious) authority they exuded, however.

(a) Unofficial
(b) Meek
(c) Peremptory
(d) Lordly

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

Neither Ram nor his sisters are ready to play the game.

(a) to play the game.
(b) No error
(c) his sisters are ready
(d) Neither Ram nor

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Q81. Select the most appropriate option to fill in the blank.

The greatest source of income in India is _____ from agriculture and related industries.

(a) derived
(b) expressed
(c) assumed
(d) voiced

Q82. Select the most appropriate word for the given group of words.

A sacred place

(a) Relic
(b) Museum
(c) Sanctum
(d) Retreat

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

It's a challenge, as you yourself said, and men find it hard to turn _____ challenges.

(a) up
(b) below
(c) down
(d) aside

Q84. Select the most appropriate antonym of the given word.

Obsession

(a) Dislike
(b) Delusion
(c) Compulsion
(d) Relaxation

Q85. 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 shocked entrance) of so many witnesses seemed to have brought them to their senses.

(a) The shocking entrances
(b) The unexpected entrance
(c) The unexpecting entrances
(d) No correction required

Directions

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.

A submerged memory half rose in the king's (1) _____. and sank again. Around him he could hear murmurs, courtiers (2) ____ who the stranger was. He (3) ____ a councillor to lead the (4) ____ to the treasury, where each day gifts (5) _____ to the needy, but the brahmin shook off the man's hand.

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

(a) presence
(b) brain
(c) mind
(d) memory

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

(a) were wonderful
(b) wonder
(c) were wonder
(d) wondering

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

(a) controlled
(b) orders
(c) controls
(d) ordered

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

(a) friend
(b) sage
(c) businessman
(d) stranger

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

(a) have been given
(b) have to given
(c) were given
(d) was given

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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