SSC MTS 2023 Official Paper (Held On: 13 Sept, 2023 Shift 1) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2023 • 90 questions • 90 minutes • Answer key

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SESSION 1

Q1. By selling a calculator for Rs. 1,080, there is a loss of 10%, if the article is sold for Rs. 1,350, the net result in the transaction is:

(a) 12 1/2 %loss
(b) 12% gain
(c) 12 1/2 %gain
(d) 12% loss

Q2. If the 5/6 of a number is 10 less than the number itself, then 7/5 of the number is _____.

(a) 72
(b) 96
(c) 60
(d) 84

Q3. A boat travels upstream from B to A and downstream from A to B in 3 hours. If the speed of the boat in still water is 9 km/h and the speed of the current is 3.5 km/h, the distance between A and B is: (correct up to two decimal places)

(a) 14.46 km
(b) 13.46 km
(c) 12.46 km
(d) 11.46 km

Q4. Two trains are travelling in the same direction on parallel tracks. Train A is travelling at 30 km/h and Train B is travelling at 60 km/h. If Train A is 400 m long and it takes Train B two minutes to pass Train A, what is the length of Train B?

(a) 700 m
(b) 500 m
(c) 400 m
(d) 600 m

Q5. Some oranges were purchased at Rs. 150 per hundred and sold at Rs. 24 per dozen. It gave a gain of Rs. 1,000. How many oranges were purchased?

(a) 3000
(b) 2500
(c) 1500
(d) 2000

Q6. The average weight of 20 students in a class is 55 kg. If the weight of the class teacher is included, the average is increased by 0.5 kg. The weight of the class teacher is:

(a) 67.2 kg
(b) 63.5 kg
(c) 65.5 kg

(d) 68.4 kg

Q7. 15 kg of Rs. 25 per kg wheat is mixed with 10 kg of another type of wheat to get a mixture costing Rs. 30 per kg. Find the price (per kg) of the costlier wheat.

(a) Rs. 37.5
(b) Rs. 32.5
(c) Rs. 35.5
(d) Rs. 30.5

Q8. A and B can do a piece of work in 5 days, while C and D can do the same work in 20 days. In how many days will A, B, C and D do it together?

(a) 3
(b) 4
(c) 5
(d) 6

Q9. A milk vendor has 2 vessels of milk and water. The first contains 80% milk and the rest is water. The second contains 50% milk. How much mixture (in L) should he mix from each of the vessels so as to get 9 litres of mixture such that the ratio of water to milk is 1 : 2? (Write your answer in the order of vessel 1 and vessel 2)

(a) 6, 3
(b) 4, 5
(c) 3, 6
(d) 5, 4

Q10. On what sum of money will the difference between the simple interest and compound interest (Compounded annually) for 3 years at 5% per annum be Rs. 15.25?

(a) Rs. 2,500
(b) Rs. 1,000
(c) Rs. 4,000
(d) Rs. 2.000

Q11. Study the given bar-graph and answer the question that follows.

The bar-graph presents the number of books sold by a bookseller during different months of a particular year.



The number of books sold in the month of December is how much less than the average number of books sold per month?

(a) 120
(b) 98
(c) 39
(d) 95

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Q12. The length of an edge of a cube is 3.5 cm. Find its total surface area.

(a) 73.5 cm²
(b) 36 cm²
(c) 27 cm²
(d) 154 cm²

Q13. Study the given table and answer the question that follows.

The table shows the milk exported from India from 2011 to 2015.

Year	Quantity (in lakh litres)	Value (in Rs. crores)
2011	130	240
2012	115	220
2013	142	420
2014	165	550
2015	195	610

In which year is the value per litre the maximum?

(a) 2012
(b) 2014
(c) 2015
(d) 2013

Q14. A family spends 20% of its monthly income on house rent. Out of the remaining amount, the family spends 50% on household expenditure and 20% on children's education. If after doing so, its monthly saving is Rs. 6,600, then what is the total monthly income of the family?

(a) Rs. 25,000
(b) Rs. 27,500
(c) Rs. 30,000
(d) Rs. 28,000

Q15. If 6 1/2 × 2 4/5 ÷ x=7/10, then find x :

(a) 26
(b) 6
(c) 32
(d) 12

Q16. Two numbers are in the ratio of 13 : 15. If their HCF is 3, then what is the difference between these two numbers?

(a) 4
(b) 2
(c) 8
(d) 6

Q17. A and B can complete a task in 6 and 8 days, respectively. They work on alternate days, with A starting the task on the first day. How many days will it take them to complete the task?

(a) 6
(b) 63/4
(c) 61/2
(d) 61/4

Q18. In how many years will Rs. 2,000 invested at the rate of 11% p.a. simple interest, amount to Rs. 3,100?

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

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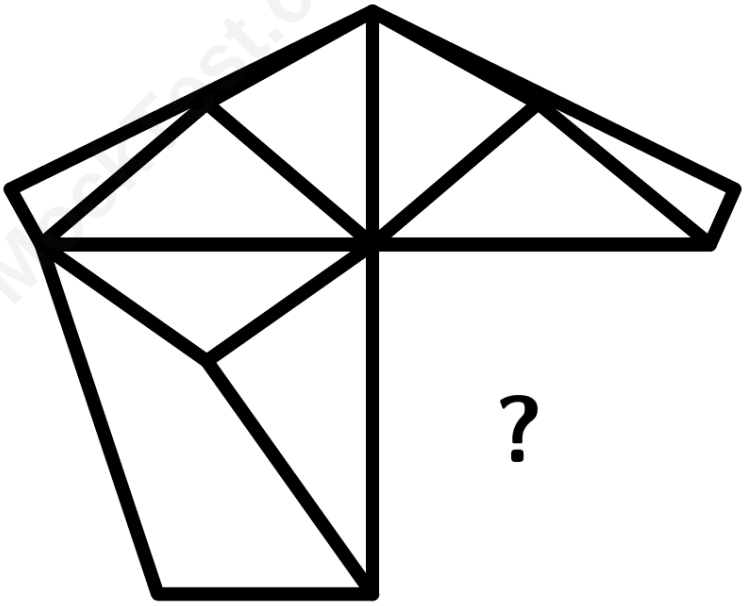
Q19. If the diameter of the base of a cone is 70 cm and its curved surface area is 4070 cm2, then what will be its volume (in cm^3)? (use $\pi = 22/7$)

(a) 1180
(b) 16,300
(c) 15,400
(d) 17,600

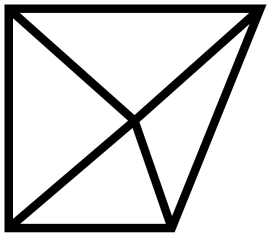
Q20. The ratio of the number of boys to the number of girls in a school of 1650 students is 6 : 5. If 124 new boys are admitted and few new girls are admitted, the ratio changes to 4 : 3. What is the ratio of the newly admitted girls to the newly admitted boys?

(a) 3 : 4
(b) 62 : 9
(c) 4 : 3
(d) 9 : 62

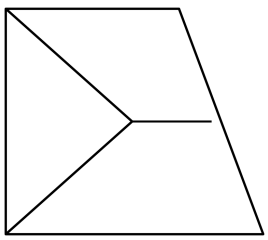
Q21. Identify the figure that completes the pattern (rotation is NOT allowed).



(a)

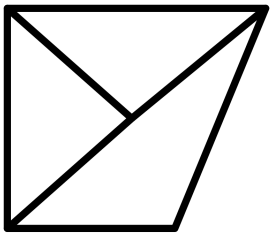


(b)

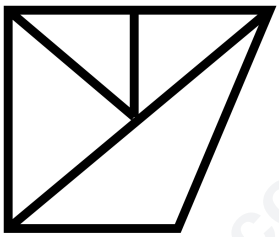


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(c)



(d)



Q22. 8 is related to 59 following a certain logic. Following the same logic, 9 is related to 76. To which of the following is 25 related to, following the same logic?

(a) 620
(b) 635
(c) 630
(d) 625

Q23. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

108 × 9 + 15 - 17 ÷ 2 = ?

(a) 51
(b) 21
(c) 41
(d) 31

Q24. In a certain code language, 'ENTRUST' is coded as 'FOURVTU' and 'CUSHION' is coded as 'DVTHJPO'. What is the code for 'CLEAVER' in the given code language?

(a) DMFAWFS
(b) DNGBWGT
(c) ENGBWT
(d) EMFBWGT

Q25. What should come in place of '?' in the given series?

2 21 97 401 1617 ?

(a) 6481
(b) 6507
(c) 6235
(d) 6493

Q26. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements: All shoes are leather. Some leather are belts. Some belts are gold.

Conclusion I: Some shoes are belts.

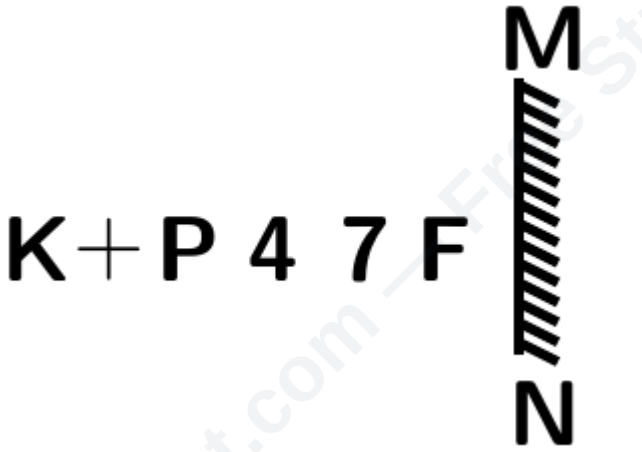
Conclusion II: All belts are gold.

(a) Neither conclusion (I) nor (II) is follow.
(b) Only conclusion (I) is follow.

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(c) Only conclusion (II) is follow.
(d) Both conclusions (I) and (II) are follow.

Q27. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q28. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion's logically follow/s from the given statements.

Statements: Some leaves are old. All old are clothes. Some clothes are papers.

Conclusion I: All leaves are old.

Conclusion II: Some old are clothes.

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

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

GAR, KEV, OIZ, SMD, ?

(a) WPH
(b) WQH
(c) VRF
(d) VPG

Q30. What should come in place of ? in the given series?

710 720 730 740 750 ?

(a) 770
(b) 780
(c) 790
(d) 760

Q31. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

AOS, DMV, GKY, JIB, ?

(a) MGE
(b) NGF
(c) NHF
(d) OHE

Q32. What should come in place of '?' in the given series?

18 32 60 116 228 ?

(a) 452
(b) 474
(c) 480
(d) 468

Q33. If 'I' stands for '+', 'J' stands for '×', 'K' stands for '÷' and 'L' stands for '-', what will come in place of the question mark (?) in the following equation?

(48 K 8) J 4 L 15 I (12 J 3) I 20 = ?

(a) 55
(b) 65
(c) 60
(d) 70

Q34. In a certain code language, 'let it be' is coded as 'sd am ht' and 'be the change' is coded as 'vn sd ek'. How is 'be' coded in the given language?

(a) sd
(b) ht
(c) ek
(d) vn

Q35. TDWP is related to RBUN in a certain way based on the English alphabetical order. In the same way, FJMH is related to DHKF. To which of the following is SENP related to, following the same logic?

(a) PDKN
(b) QCLN
(c) RCMN
(d) QDKO

Q36. Select the letters that when sequentially placed in the blank of the given series will make it logically complete.

D, F, I, M, R, __

(a) W
(b) Y

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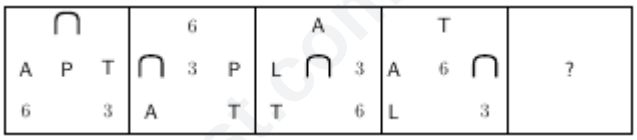
(c) Z
(d) X

Q37. D, E, F, G, H, I, J and K are sitting around a square table facing the center of the table. Some of them are sitting at the corners while some are sitting at the exact center of the sides. K sits third to the right of I. K sits at one of the corners. E sits second to the left of G. G sits at any of the corners. E is an immediate neighbour of I and D. F sits third to the right of J. H is the immediate neighbour of F and K.

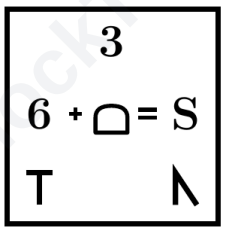
How many people sit between I and F, when counted from the left of I?

(a) Two
(b) Four
(c) One
(d) Three

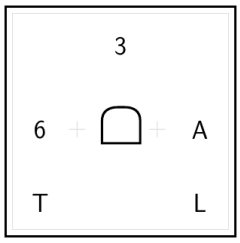
Q38. Which figure should replace the question mark (?) if the following figure series were to be continued?



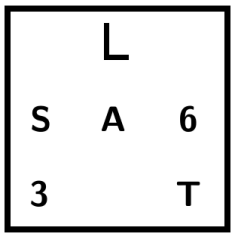
(a)



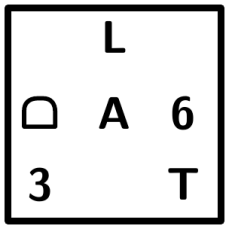
(b)



(c)



(d)



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Q39. If 11 December 2009 is a Friday, then what will be the day of the week on 18 December 2014?

(a) Tuesday
(b) Monday
(c) Thursday
(d) Wednesday

Q40. 8 is related to 88 following a certain logic. Following the same logic, 11 is related to 121. To which of the following is 15 related to, following the same logic?

(a) 163
(b) 165
(c) 164
(d) 162

SESSION 2

Q41. According to Census of India 2011, what was the total population of India (approx)?

(a) 131 Crore
(b) 121 Crore
(c) 111 Crore
(d) 101 Crore

Q42. Chhau is a major dance tradition of India. In which of the following Indian states is the dance form NOT prevalent?

(a) Odisha
(b) West Bengal
(c) Jharkhand
(d) Madhya Pradesh

Q43. In November 2022, which state became the first North-East state to approve Mental Health and Social Care Policy?

(a) Assam
(b) Meghalaya
(c) Tripura
(d) Arunachal Pradesh

Q44. In which state is Vishakhapatnam Port located?

(a) Maharashtra
(b) Andhra Pradesh
(c) Odisha
(d) Gujarat

Q45. Who among the following is the Indian classical dancer who masters both Bharatanatyam and Odissi dancing style?

(a) Shovana Narayan
(b) Guru Bipin Singh
(c) Padma Subrahmanayam
(d) Sonal Mansingh

Q46. Which bacteria was discovered by Barry Marshall and Robin Warren that colonises the human stomach and causes chronic superficial gastritis ulcers?

(a) Campylobacter jejuni
(b) Helicobacter pylori
(c) Neisseria gonorrhoeae
(d) Entamoeba histolytica

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Q47. Which of the following states witnesses the first onset of the monsoon?

(a) Punjab
(b) Haryana
(c) Kerala
(d) Uttar Pradesh

Q48. What is a prominent trend in the microfinance sector in India?

(a) Integration of mobile banking services
(b) Excessive bureaucracy in loan approvals
(c) Decreased reliance on digital technology
(d) Limited focus on women entrepreneurs

Q49. Ustad Bismillah Khan was associated with which of the following musical instruments?

(a) Shehnai
(b) Sarod
(c) Sitar
(d) Sarangi

Q50. The famous coal mining region ‘Korba’ is located in which state of India?

(a) Kerala
(b) Tamil Nadu
(c) Chhattisgarh
(d) Himachal Pradesh

Q51. What do you mean by balanced budget?

(a) Expenditure not equal to revenue
(b) Expenditure equal to revenue
(c) Expenditure more the revenue
(d) Expenditure is less than revenue

Q52. Rajgir Mahotsav is a beautiful representation of history, religion, art and culture. It is a three-day celebration in _____.

(a) Madhya Pradesh
(b) Uttarakhand
(c) Uttar Pradesh
(d) Bihar

Q53. The famous novel ‘The God Of Small Things’ is written by _____.

(a) Shashi Tharoor
(b) Ruskin Bond
(c) Vikram Seth
(d) Arundhati Roy

Q54. The Men's Junior Hockey Asia Cup 2023, which was won by India, was held at _____.

(a) Saudi Arabia
(b) Oman
(c) Dubai
(d) Qatar

Q55. In the context of the Revolt of 1857, Mangal Pandey belonged to which Bengal native Infantry?

(a) 34
(b) 52
(c) 70
(d) 64

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Q56. Which of the following countries did India beat in the final to win the 2021 SAFF Championship?

(a) Nepal
(b) Lebanon
(c) Maldives
(d) Kuwait

Q57. Vinesh Phogat became the first Indian woman wrestler to win how many medals at World Championships?

(a) 6
(b) 5
(c) 2
(d) 3

Q58. What is the purpose of the Cultural and Educational Rights?

(a) To promote a particular religion
(b) To protect the language, culture, and religion of the minority communities
(c) To protect the majority community
(d) To prevent exploitation

Q59. In optics, which term refers to the opening of the diaphragm of a lens that spatially limits the propagation of light?

(a) Collimator
(b) Aperture
(c) Apostilb
(d) Meniscus

Q60. Lata Mangeshkar was awarded by the India's highest civilian honour 'Bharat Ratna' in the year _____.

(a) 2015
(b) 2019
(c) 2001
(d) 2009

Q61. Nirmala Panikar received the Sangeet Natak Akademi Award-2019 (given in February 2023) for her contribution to _____ dance form.

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

Q62. In which city is the Rajghat memorial situated?

(a) Ahmedabad
(b) Surat
(c) Delhi
(d) Agra

Q63. In the 1939 Tripuri Congress Presidential Election, Pattabhi Sitaramayya was defeated by:

(a) Mahatma Gandhi
(b) Rajendra Prasad
(c) Subhas Chandra Bose
(d) Jawaharlal Nehru

Q64. Whose autobiography is titled 'Waiting for a Visa' ?

(a) Dr. Ram Manohar Lohia
(b) Dr. Rajendra Prasad
(c) Dr. Bhimrao Ambedkar
(d) Dr. Kamal Ranadive

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Q65. In which year was the Jammu and Kashmir Reorganization Act passed?

(a) 2019
(b) 2009
(c) 2015
(d) 2017

Q66. Select the most appropriate option to fill in the blank.

The toddler decided to make a mess because he wanted to _____ the attention of its parents.

(a) seek
(b) elicit
(c) please
(d) extract

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

Glimpse

(a) Examine
(b) Glance
(c) Stare
(d) Observe

Q68. Identify the sentence that contains correct spellings in the given context.

(a) She acid the test despite being sleep-deprived from studying for nearly 24 hours straight.
(b) She acad the test desspite being sleep-deprived from studying for nearly 24 hours straight.
(c) She aced the test daspite being sleep-deprived from studying for nearly 24 hours strait.
(d) She aced the test despite being sleep-deprived from studying for nearly 24 hours straight.

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

The teacher assured: “You have completed your homework, _____?”

(a) had you
(b) hadn’t you
(c) haven’t you
(d) have you

Q70. Select the most appropriate ANTONYM of the word given in brackets to fill in the blank.

A _____(distinct) sense of restlessness was bothering me when I left the cemetery.

(a) terrible
(b) critical
(c) prior
(d) vague

Q71. 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.

With cloud streaming, people can play games from a / internet-connected device, avoiding the need for pricey / dedicated hardware such as a game console.

(a) No error
(b) dedicated hardware such as a game console
(c) With cloud streaming, people can play games from a
(d) internet-connected device, avoiding the need for pricey

Q72. Select the most appropriate meaning of the given idiom.

Keep someone at arm’s length

(a) To ruin someone’s plans
(b) To avoid becoming too close or friendly with someone
(c) Angry about something

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(d) Having energy again after being tired

Q73. The following sentence has been divided into four parts. Identify the part that contains an error.

(A) This fridge / (B) comes including / (C) a 5-year / (D) warranty.

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

Q74. Select the option that can be used as a one-word substitute for the given group of words.

One who looks at the dark side of life

(a) Physicist
(b) Optimist
(c) Pessimist
(d) Idealist

Q75. Select the most appropriate option that can substitute the underlined segment in the given sentence.

Many a things are used for the show.

(a) a things is
(b) a things were
(c) a thing is
(d) a thing were

Q76. Select the most appropriate option that can rectify the underlined segment in the given sentence. If there is no need to rectify it, select 'no rectification needed'.

This film is a non-stop riot that many cite as one of the funny films of all time.

(a) no rectification needed
(b) funniest
(c) more funny
(d) funnier

Q77. Select the INCORRECTLY spelt word.

(a) Essence
(b) Aggregate
(c) Transmisible
(d) Assembly

Q78. Select the option that can be used as a one-word substitute for the given group of words.

A person who regards the whole world as his country

(a) Cosmopolitan
(b) Pacifist
(c) Contemporary
(d) Celibate

Q79. The following sentence has been split into four segments. Identify the segment that contains an error.

The team played / really well, but / they lose the game / in the final minutes.

(a) really well, but
(b) in the final minutes
(c) they lose the game
(d) The team played

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Q80. The following sentence has been split into four segments. Identify the segment that contains an error.

The school shall reopened / after summer / vacations of / one month.

(a) one month
(b) vacations of
(c) The school shall reopened
(d) after summer

Q81. Select the most appropriate ANTONYM of the underlined word.

They waited with anxiety for the final results.

(a) Shrewdness
(b) Wilderness
(c) Feebleness
(d) Calmness

Q82. Select the most appropriate idiom to fill in the blank.

Jack took on three jobs at once but soon realised he had _____.

(a) cut corners
(b) taken it with a grain of salt
(c) bitten off more than he could chew
(d) played by the ear

Q83. Select the most appropriate idiom to fill in the blank.

The CEO has _____ than worrying about individual customer complaints.

(a) bigger fish to fry
(b) taken a rain check
(c) thrown caution to the wind
(d) been walking on thin ice

Q84. Select the INCORRECTLY spelt word.

(a) Perceive
(b) Recognition
(c) Vaccum
(d) Shield

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

I know it was wrong to distract his friends, but _____.

(a) all’s fair in love and war
(b) all’s unfair in the world
(c) all’s unfair in love and war
(d) all’s fair in the world

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.

(1)_____ the breakfast table the next morning, there was no sign of my wife. I (2)_____ she was sleeping late, but Gladolia, upon being questioned, only (3)_____ her head, (4)_____ something, and turned the whites of her eyes up to the ceiling. I was glad when the meal was (5)_____ and hurried to the library for another try at that story.

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

(a) On
(b) Above
(c) Upon
(d) At

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

(a) accepted
(b) decided
(c) examined
(d) concluded

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

(a) adjusted
(b) rotated
(c) shook
(d) stirred

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

(a) mugged
(b) muffed
(c) mutilated
(d) muttered

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

(a) removed
(b) over
(c) through
(d) undone

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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