SSC MTS (2022) Official Paper (Held On: 09 May 2023 Shift 2) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 questions • 90 minutes • Answer key

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SESSION 1

Q1. A person goes from J to K at a speed of 55 km/hr. He comes back from K to J at a certain speed. If his average speed is 660/17 km/hr, then what was his speed while moving from K towards J?

(a) 24 km/hr
(b) 38 km/hr
(c) 30 km/hr
(d) 42 km/hr

Q2. The compound interest (compounding annually) on a certain sum for 2 years at the rate of 60 percent per annum is Rs. 6240. What will be the simple interest on the same sum for 3 years at the same rate of interest?

(a) Rs. 6800
(b) Rs. 7200
(c) Rs. 7100
(d) Rs. 6500

Q3. What is the value of $3.25 \times 3.25 \times 3.25 + 0.75 \times 0.75 \times 0.75 + 29.25$?

(a) 64
(b) 80
(c) 84
(d) 75

Q4. The value of $(1/2 + 3/4) \div (1/5 + 3/10)$ lies between:

(a) 2.7 and 3.0
(b) 2.0 and 2.2
(c) 1.5 and 1.8
(d) 2.3 and 2.6

Q5. The table given below shows the number of students in 6 different schools.

Schools	Students
J	360
K	180
L	210
M	240
N	90
P	150

What is the total number of students in all schools?

(a) 1340

(b) 1020
(c) 1230
(d) 1180

Q6. A person lent certain sum of money at the annual rate of 20 percent on simple interest. In 10 years, the interest amounted to Rs. 800 more than the sum lent. What is the sum lent?
(a) Rs. 800
(b) Rs. 500
(c) Rs. 1200
(d) Rs. 400

Q7. A bus travels 166 Km in 3 hours and then travels the next 2 hours at 134 Km/hr. Find the average speed of the bus
(a) 50.4 km/hr
(b) 86.8 km/hr
(c) 43.8 km/hr
(d) 59.4 km/hr

Q8. Two cubes of iron whose edges are 7 cm and 11 cm are melted and formed into a single cube. Find the volume of the new cube formed.
(a) 1881 cm^3
(b) 1674 cm^3
(c) 1444 cm^3
(d) 1221 cm^3

Q9. A person bought 8 articles for 2 rupees. Find at what price should he be able to sell 120 articles to get a profit of 10%.
(a) Rs. 22
(b) Rs. 33
(c) Rs. 20
(d) Rs. 44

Q10. The numbers are in the ratio of 3 : 5. If their HCF is 11, then find the sum of two numbers.
(a) 55
(b) 33
(c) 53
(d) 88

Q11. A rectangle has sides of 45 cm and 55 cm. What is the area of this rectangle?
(a) 2675 cm^2
(b) 2475 cm^2
(c) 2550 cm^2
(d) 2350 cm^2

Q12. A and B working together can complete a job in 90 days. The ratio of their efficiencies is 3 : 5. In how many days can the faster person complete the job?
(a) 90 days
(b) 80 days
(c) 144 days
(d) 118 days

Q13. Kapila is thrice as efficient as Vipul and together they can finish a piece of work in 30 days. In how many days Vipul alone can finish the work?
(a) 60 days
(b) 30 days
(c) 90 days
(d) 120 days

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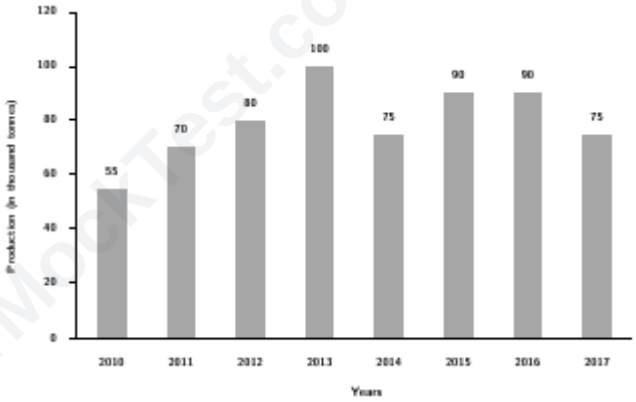
Q14. A man travelled a distance of 110 km in 11 hours. He travelled some distance on foot at 6 km/hr and remaining distance on a bicycle at 14 km/hr. What is the distance travelled on bicycle?

(a) 66 km
(b) 99 km
(c) 77 km
(d) 88 km

Q15. The average of the series 500, 505, 515, 530, 550 is:

(a) 520
(b) 515
(c) 505
(d) 530

Q16. The following bar graph shows the production of wheat (in 1000 tonnes) in India over the years. What was the percentage decline in the production of wheat from 2013 to 2014?



(a) 25%
(b) 5%
(c) 15%
(d) 35%

Q17. The marked price of a speaker is Rs. 1000. A man buys it at Rs. 873 after getting two successive discounts of 10% and x%. What is the value of x?

(a) 5%
(b) 8%
(c) 4%
(d) 3%

Q18. In a school library, the ratio of Science to English books is 10 : 13. If there are 400 Science books and due to increase in demand of Science books, few Science books are added by school authority and the ratio becomes 25 : 26. What is the number of Science books added?

(a) 50
(b) 100
(c) 120
(d) 80

Q19. In a wallet, there are coins of Rs. 1, Rs. 2 and Rs. 5 in the ratio of 2 : 5 : 3 respectively. If there is Rs. 54 in all, then how many Rs. 5 coins are there?

(a) 20
(b) 10
(c) 4
(d) 6

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Q20. A dishonest shopkeeper pretends to sell his goods at cost price but uses false weights and gain 10%. How much false weight he is using instead 1 kg weight?

(a) 909.09 gm
(b) 900 gm
(c) 920.30 gm
(d) 911.12 gm

Q21. Prateek, Kiran, Rohit, Suraj and Tony are five friends who scored different marks in a test. Only two people scored between Prateek and Suraj. Kiran scored the highest marks. Tony scored more than Rohit. Who scored the fourth highest marks?

(a) Kiran
(b) Rohit
(c) Suraj
(d) Prateek

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

87, 168, 217, 242, 251, ?

(a) 255
(b) 253
(c) 252
(d) 254

Q23. In a certain code language, 'APPLES' is written as 'AQQMET'. How will 'ORANGE' be written in that language?

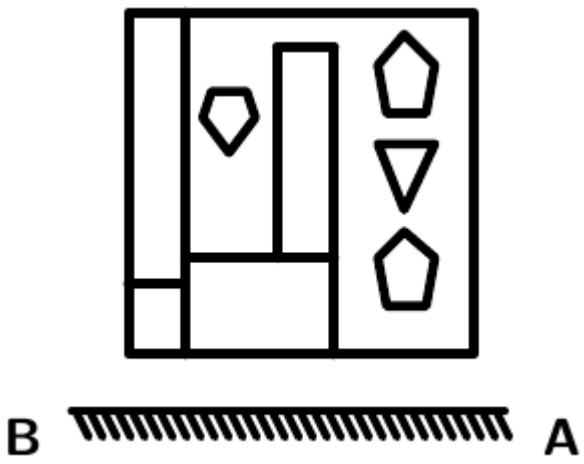
(a) SOCHEI
(b) OSAOHE
(c) OSAHOE
(d) SOACHE

Q24. Which of the following numbers will replace the question mark (?) in the given series?

-15, -9, -3, 3, 9, 15, ?

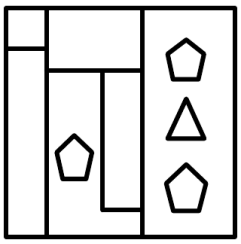
(a) 24
(b) 30
(c) 21
(d) 18

Q25. 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?

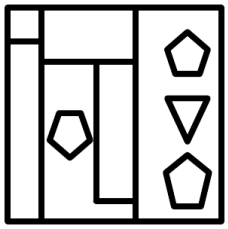


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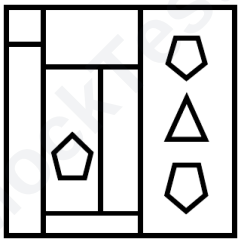
(a)



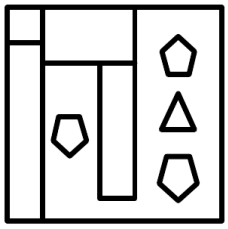
(b)



(c)



(d)



Q26. 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:

Some Parrots are Birds.

All Birds are animals.

Conclusions:

I. All animals are Birds.

II. Some animals are Parrot.

(a) Only conclusion I follows.

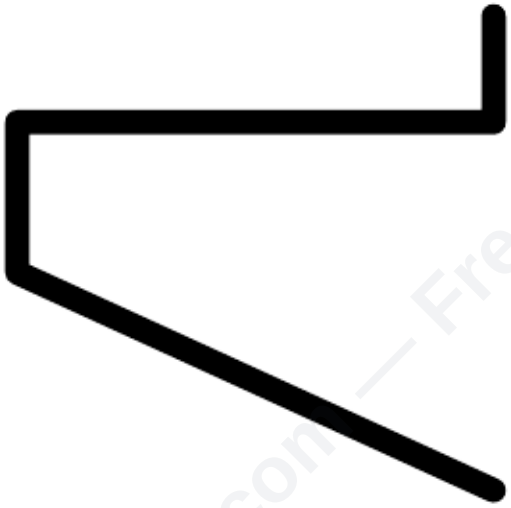
(b) Only conclusion II follows.

(c) Neither conclusion I nor II follow.

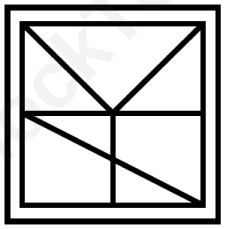
(d) Both conclusions I and II follow.

Q27. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)

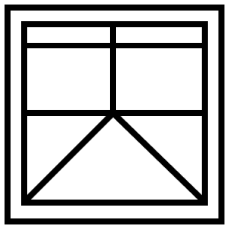
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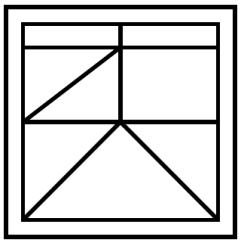
(a)



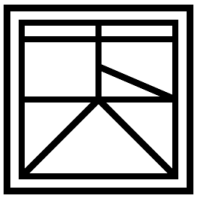
(b)



(c)



(d)



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Q28. Seven students A, B, C, D, X, Y and Z are sitting in their classroom facing in the southern direction. A and D do not sit together. Z sits second to the left of X. B does not sit with Z. X is fourth to the right of C. A and B are not sitting together. C sits in between D and Y. Y sits second to the left of the one who sits second to the left of B. Who sits at the extreme ends?

(a) B and D
(b) C and Y
(c) Z and X
(d) A and B

Q29. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

10 B 2 C (15 D 5) = ?

(a) 19
(b) 15
(c) 21
(d) 17

Q30. 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:

Some pupils are cutes.

All boys are cutes.

Conclusions:

I. All cutes are boys.

II. Some pupils are boys.

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

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.

Bangladesh : Dhaka :: New Zealand : ?

(a) Wellington
(b) Sydney
(c) Melbourne
(d) Canberra

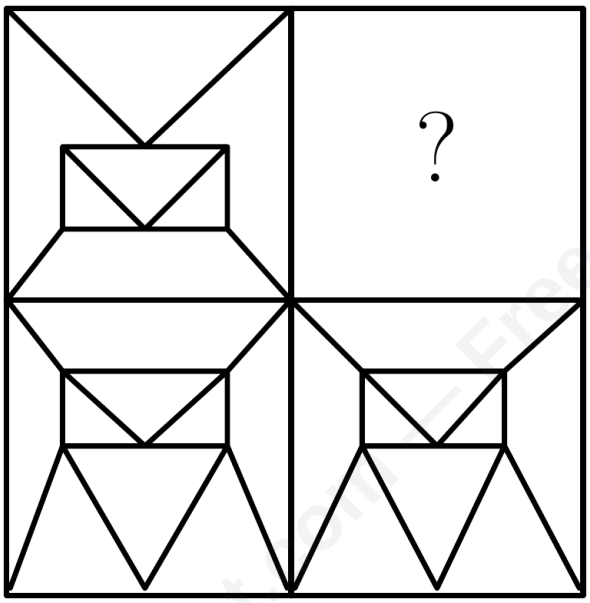
Q32. Select the option that is related to the third word in the same way as the second word is related to the first word.

Japan : Yen :: Bangladesh : ?

(a) Dinar
(b) Rupee
(c) Peso
(d) Taka

Q33. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

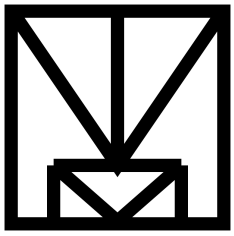
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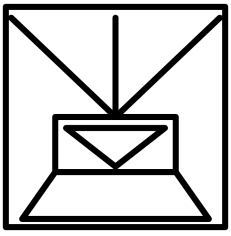
(a)



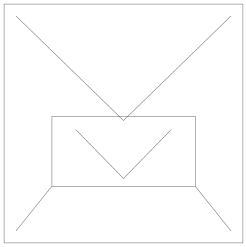
(b)



(c)



(d)



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Q34. 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 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)

(4, 3, 49)

(5, 4, 81)

(a) (6, 2, 36)
(b) (5, 4, 100)
(c) (7, 5, 121)
(d) (6, 5, 121)

Q35. Which of the following letter clusters will replace the question mark (?) in the given series?

LB, NZ, PX, RV, ?

(a) TS
(b) UT
(c) ST
(d) TT

Q36. In a certain code language, ‘FLED' is coded as '4, 10, 3, 2', ‘GOAT' is coded as '5, 13, 25, 18'. What is the code for ‘HECK' in that code language?

(a) 8, 3, 1, 9
(b) 6, 3, 1, 11
(c) 6, 3, 1, 9
(d) 6, 3, 3, 9

Q37. Select the option that is related to the third word in the same way as the second word is related to the first word.

French : Language :: Train : ?

(a) Travel
(b) Vehicle
(c) Goods
(d) Tracks

Q38. In a family of 6 people Anil, Pallavi, Naveen, Sumanth, Priyanka, Harika are sitting in two rows equally and facing each other. Naveen and Priyanka are neighbours facing North. Harika is diagonally opposite to Naveen. Pallavi is sitting to the left of Harika. Priyanka is sitting opposite to Anil. Which of the following are in one of the two rows?

(a) Pallavi, Anil, Harika
(b) Harika, Sumanth, Pallavi
(c) Harika, Priyanka, Naveen
(d) Pallavi, Naveen, Priyanka

Q39. Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

10 + 54 ÷ 9 - 4 × 60 = 116

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

Q40. In a certain code language, 'MODERN' is coded as ‘KOBALJ'. What is the code for ‘PEOPLE’ in that code language?

(a) BIMLCM
(b) BINLBN
(c) BIMLBM
(d) BIMLBN

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SESSION 2

Q41. Bangladesh does not share its boundary with which of the following Indian states?

(a) Sikkim
(b) Assam
(c) West Bengal
(d) Tripura

Q42. According to Indira Gandhi National Old Age Pension Scheme (IGNOAPS), BPL (Below Poverty Line) person aged 60 years or above are entitled to a monthly pension of _____ up to 79 years of age as of October 2022.

(a) Rs. 250
(b) Rs. 400
(c) Rs. 350
(d) Rs. 200

Q43. How many tax slabs are classified in the GST Bill?

(a) Seven
(b) Three
(c) Eight
(d) Four

Q44. Which among the following is not a part of Western Ghats?

(a) Anaimalai Hills
(b) Cardamom Hills
(c) Mahadeo Hills
(d) Nilgiri Hills

Q45. Which British officer gave the order to open fire and led to the Jallianwala Bagh massacre?

(a) Charles Cornwallis
(b) Charles Metcalfe
(c) Reginald Dyer
(d) Warren Hastings

Q46. An image which cannot be obtained on a screen is called a _____.

(a) virtual image
(b) real image
(c) vector image
(d) spectral image

Q47. How many fundamental duties are there in the Indian Constitution?

(a) 10
(b) 12
(c) 11
(d) 13

Q48. Who among the following was the first musician ever to be awarded the Bharat Ratna?

(a) Semmangudi Srinivasa Iyer
(b) Girija Devi
(c) Siddheswari Devi
(d) M.S. Subbulakshmi

Q49. FIFA world cup 2022 is hosted by which country?

(a) Germany
(b) Japan
(c) France

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(d) Qatar

Q50. Who wrote the treatise on politics, "Arthashastra"?

(a) Kautilya
(b) Kalidas
(c) Raghuvansham
(d) Kadambari

Q51. The stage of the embryo in which all the body parts can be identified is called _____.

(a) Uterus
(b) Ovulation
(c) Foetus
(d) Zygote

Q52. The capital of Sangam kingdom ‘Pandyas’ was _____.

(a) Thiruvarur
(b) Kaveripattanam
(c) Nagapattinam
(d) Madurai

Q53. With reference to Buddhist architecture, what does chaitya mean?

(a) Buddha Relics
(b) Temple entrance
(c) Prayer Hall
(d) Residence/Monastery

Q54. Rulers belonging to Gurjara - Pratihara, Rashtrakuta and Pala dynasties fought for control over _____.

(a) Patliputra
(b) Ujjain
(c) Kannauj
(d) Jaipur

Q55. For a person to be eligible to become the Vice-President of India, he must be of _____ years of age.

(a) 30
(b) 25
(c) 35
(d) 40

Q56. In India, roads are classified in the _____ classes according to their capacity.

(a) seven
(b) four
(c) three
(d) six

Q57. Pandit Birju Maharaj was conferred with which of the following awards?

(a) Shaurya Chakra
(b) Padma Vibhushan
(c) Padma Bhushan
(d) Padma Shri

Q58. In MUDRA Yojana, what does 'M' stand for?

(a) Macro
(b) Money
(c) Micro
(d) Multi

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Q59. Jhijhiya is a famous folk dance of Bihar and is performed in the mythological town of Mithila. This dance is performed by women only. The whole Navaratri 'nine nights' festival is celebrated to worship the three forms of Lord _____.

(a) Kali, Lakshmi, Durga
(b) Sita, Durga, Laxmi
(c) Lakshmi, Parvati and Saraswati
(d) Sita, Kali and Parvati

Q60. The Central Government has recently launched YUVA 2.0 Scheme. It is a mentoring programme for young and budding authors below the age of _____.

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

Q61. The Indian National Congress passed Purna Swaraj resolution in 1929 under the presidentship of _____.

(a) Mahatma Gandhi
(b) Lala Lajpat Rai
(c) Jawaharlal Nehru
(d) Sardar Vallabhbhai Patel

Q62. Which of the following god/goddess is NOT associated with Ratha Yatra festival of Puri, Odisha?

(a) Lord Jagannath
(b) Lord Balabhadra
(c) Devi Subhadra
(d) Lord Shiva

Q63. Which of the following layers is NOT one of the atmospheric layers of the earth?

(a) Stratosphere
(b) Thermosphere
(c) Mesosphere
(d) Endosphere

Q64. _____ hosted the World Games 2022 in July 2022.

(a) Germany
(b) Japan
(c) United States of America
(d) Italy

Q65. _____ describe the idea of evolution in his book, “The origin of species”.

(a) Edward Jenner
(b) Charles Darwin
(c) Robert Brown
(d) Aristotle

Q66. Choose the word that means the same as the given word.

Calamity

(a) Embark
(b) Debauchery
(c) Debar
(d) Debacle

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

David said that statistics are his favourite subject.

(a) David said that
(b) favourite subject

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(c) No error
(d) statistics are his

Q68. Select the appropriate synonym for the underlined word.

The child develops a deadly disease.

(a) huge
(b) corrective
(c) kind
(d) fatal

Q69. Select the appropriate antonym for the underlined word.

Richard himself came up to persuade David to agree to their plan.

(a) prompt
(b) lure
(c) coax
(d) deter

Q70. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

John rushed to the spot and saw his wife and kid _____ on the road.

(a) lain
(b) lying
(c) lie
(d) laying

Q71. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

When I have arrived at the theatre, the show had already started.

(a) had already started
(b) When I have arrived at
(c) the theatre, the show
(d) No error

Q72. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

The water from the river was _____ cold for me to drink directly.

(a) very
(b) most
(c) too
(d) many

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

The idea was to delivered governmental services at the citizen's doorstep.

(a) delivering government serviced
(b) delivers governmental servicing
(c) No improvement
(d) deliver government services

Q74. Choose the incorrectly spelt word.

(a) Lattar
(b) Critical
(c) Mastery
(d) Loudly

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Q75. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom/Phrase.

Bell the cat

(a) To do a dangerous task
(b) To estimate the risks involved
(c) To reveal confidential information
(d) To train company's employees

Q76. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Using a loofah with a hydrating / shower gel each day also ensures / you'll have the most smoothest skin.

(a) shower gel each day also ensures
(b) No error
(c) you'll have the most smoothest skin.
(d) Using a loofah with a hydrating

Q77. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

She was bored because she didn't have any work to does.

(a) work to done
(b) No improvement
(c) work to do
(d) works to do

Q78. Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d) which is the most appropriate expression and mark your response in the Answer Sheet accordingly.

Loaves and fishes

(a) Accidently kill someone
(b) Material gain
(c) To bury the dead
(d) To let bygones be bygones

Q79. Choose the sentence with no spelling error.

(a) I can't stop the tissue from repairing.
(b) I can't stop the tissue from reparing.
(c) I can't stop the tisue from repairing.
(d) I can't stop the tissue from repayring.

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

Today I received a letter. Finally, I _____ back from him.

(a) herd
(b) hard
(c) heard
(d) horde

Q81. Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.

(I wouldn't cross him if I was you, not) if you value your life.

(a) No substitution required
(b) I wouldn't has crossed him if I were you, not
(c) I wouldn't had crossed him if I was you, not
(d) I wouldn't cross him if I were you, not

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Q82. Choose the word that can substitute the given group of words.

Experiences that are very unpleasant or difficult

(a) Pitfall
(b) Ordeal
(c) Strident
(d) Knack

Q83. Choose the word that can substitute the given group of words.

To enter unlawfully upon the land of another

(a) Trespass
(b) Delinquent
(c) Transgression
(d) Culprit

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

Rare

(a) Familiar
(b) Latent
(c) Clarify
(d) Extraordinary

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

Women _____ their male relatives to the battlefield for the purpose of tending the wounded and carrying away the dead.

(a) signify
(b) forsake
(c) justify
(d) accompany

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.

Dinner in the Great Hall that night (1) ___ a pleasant experience for Sunny. The (2) _ about his shouting match with Umbridge had (3) ___ exceptionally fast even (4) ____ standards. He heard whispers all (5) _____ as he sat eating between Rob and Ravi.

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

(a) were not
(b) was neither
(c) was not
(d) is not

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

(a) information
(b) sequence
(c) account
(d) news

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

(a) travelled
(b) drove
(c) migrated
(d) moved

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

(a) by the institute's
(b) as the institute's
(c) of the institutes'
(d) at the institute

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

(a) revolving him
(b) surrounding him
(c) rotating him
(d) around him

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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