SSC MTS (2022) Official Paper (Held On: 13 Jun, 2023 Shift 3) (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. If interest is being compounded half yearly and rate of interest is 20 percent per annum, then in how much time Rs. 15000 will become Rs. 19965 at compound interest?

(a) 30 months
(b) 18 months
(c) 12 months
(d) 24 months

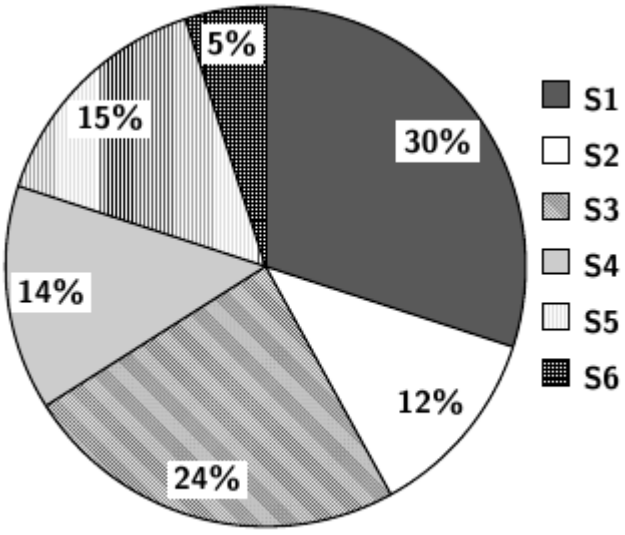
Q2. What is the value of (99 ÷ 33 + 44 ÷ 11 of 4)/(24÷ 12-4+3) ?

(a) 6
(b) 1
(c) 8
(d) 4

Q3. What is the value of √(0.33×0.33+0.6× 0.6+1.2×0.33) ?

(a) 0.73
(b) 0.69
(c) 0.93
(d) 0.39

Q4. The pie chart given below shows the marks obtained by a student in 6 different subjects. The total marks obtained by the student is 500. Marks in a particular subject are shown as a percent of total marks obtained in all these 6 subjects.



What is the ratio of marks obtained in S3 to the marks obtained in S4?

(a) 2 : 1

(b) 5 : 6
(c) 12 : 5
(d) 12 : 7

Q5. How many spherical balls of radius 6 cm can be made by melting a hemisphere of radius 24 cm?
(a) 32
(b) 96
(c) 64
(d) 24

Q6. Cost of two types of rice is Rs. 60 per kg and Rs. 84 per kg. If both the rice is mixed together in the ratio 1 : 1, then what should be the price of mixed variety of rice per kg?
(a) Rs. 72 per kg
(b) Rs. 76 per kg
(c) Rs. 80 per kg
(d) Rs. 68 per kg

Q7. A merchant sold an article at 20% loss. If he had sold it for Rs. 390 more, 6% would have been gained on the cost price. What is the cost price of the article?
(a) Rs. 1800
(b) Rs. 1500
(c) Rs. 1200
(d) Rs. 2600

Q8. A man covers half part of a certain distance at 15 km/hr. He covers 40 percent of remaining distance at the speed of 12 km/hr and covers rest of the distance at the speed of 21 km/hr. What is his average speed for the entire journey?
(a) 15 km/hr
(b) 164/9 km/hr
(c) 140/9 km/hr
(d) 139/9 km/hr

Q9. If 60 is subtracted from 30 percent of a number, then the result is 120. What is the value of the number?
(a) 550
(b) 630
(c) 600
(d) 700

Q10. Some girls can do a work in 10 days. In how much time twice of such girls will complete four times of the same work?
(a) 10 days
(b) 25 days
(c) 20 days
(d) 30 days

Q11. The marked price of one pen is Rs. 20. What will be the total selling price of 5 such pens after the discount of 5%?
(a) Rs. 105
(b) Rs. 100
(c) Rs. 90
(d) Rs. 95

Q12. If 80 percent of total articles are sold at a loss of 25 percent and remaining articles are sold at a profit of 20 percent, then what will be the overall loss percentage?
(a) 16 percent
(b) 18 percent
(c) 20 percent
(d) 22 percent

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Q13. Shivam is 20 percent less efficient than Vivek. If Vivek can make a helmet in 12 days, then in how many days can Shivam make the same helmet?

(a) 18 days
(b) 15 days
(c) 12 days
(d) 14 days

Q14. The length of two parallel sides of a trapezium are 25 metre and 30 metre. If its height is 20 metre, then what is the area of the trapezium?

(a) 350 metre^2
(b) 550 metre^2
(c) 590 metre^2
(d) 420 metre^2

Q15. Three partners P, Q and R invested a total of Rs. 52,000 in a business. At the end of the year, P got Rs. 1430, Q got Rs. 1870 and R got Rs. 2420 as the share of profit. How much amount did Q invest in the business?

(a) Rs. 15300
(b) Rs. 18700
(c) Rs. 17000
(d) Rs. 20400

Q16. What is the Highest Common Factor of 3/8 and 4/9 ?

(a) 1/36
(b) 1/108
(c) 1/72
(d) 1/18

Q17. The speed of a boat in upstream is 8 km/hr and the speed of stream is 4 km/hr. The boat covers a distance of x km in upstream and x km in downstream. If the total time taken by the boat is 9 hours, then what is the value of x?

(a) 48 km
(b) 60 km
(c) 72 km
(d) 36 km

Q18. The table given below shows the income and expenditure of five companies.

Companies	Income	Expenditure
A	55	50
B	50	40
C	35	32
D	40	35
E	60	50

What is the difference between average income and average expenditure of all the companies?

(a) 4.2
(b) 2.6
(c) 6.6
(d) 8.4

Q19. The ratio of present ages of Neelam and Rajni is 6 : 5. After six years, their ages will be in the ratio of 13 : 11. What is the present age of Rajni?

(a) 30 years
(b) 45 years
(c) 60 years

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(d) 75 years

Q20. A person lent certain sum of money at the annual rate of 5 percent on simple interest. In 4 years, the interest amounted to Rs. 800. What is the sum lent?

(a) Rs. 3200
(b) Rs. 2000
(c) Rs. 4000
(d) Rs. 1600

Q21. 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 J are Y.

II. No X is Y.

Conclusions:

I. Some X are not Y.

II. Some J are not X.

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

Q22. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 - Operations on 13 such as adding / subtracting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(12, 22, 34)

(14, 15, 29)

(a) (14, 15, 19)
(b) (16, 17, 33)
(c) (8, 9, 15)
(d) (10, 20, 24)

Q23. In a certain code language, '231' means 'Flower is Green', '307' means 'A Green Tree' and '781' means 'Tree and flower'. Find the code for 'is'.

(a) 2
(b) 8
(c) 0
(d) 1

Q24. In a certain code language, 'BURN' is written as 'CVS14'. How will 'GOLD' be written in that language?

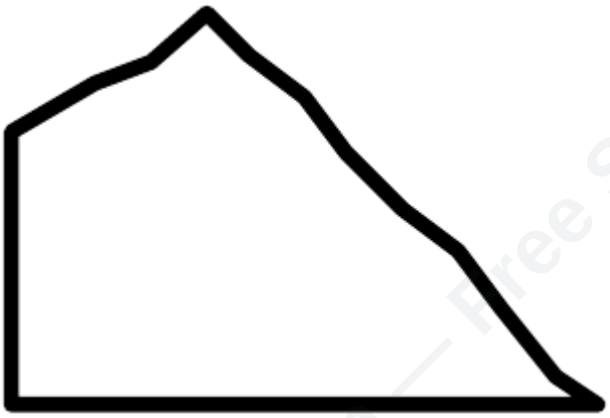
(a) HP4M
(b) PHM4
(c) HMP4
(d) HPM4

Q25. Weight of five bags C1, C2, C3, C4 and C5 is compared. Weight of C4 is more than C1 and less than C2. Weight of C5 is more than C3. Weight of C2 is less than C3. Weight of how many bags is less than C2?

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

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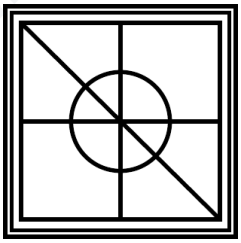
Q26. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



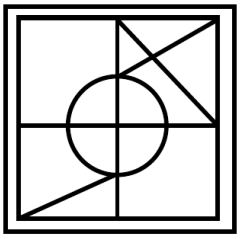
(a)



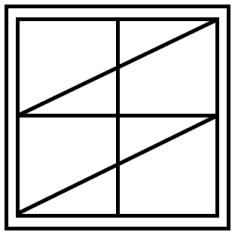
(b)



(c)



(d)



Q27. Select the option that is related to the third word in the same way as the second word is related to the first word.

Afghanistan : Kabul :: Australia :?

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

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Q28. Two Statement 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 popcorns are chinese.

All pasta are chinese.

Conclusions:

I. All Chinese are pasta.

II. Some popcorns are pasta.

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

Q29. Select the option that is related to the third word in the same way as the second word is related to the first word.

Arthritis : Joints :: Asthma : ?

(a) Heart
(b) Lungs
(c) Liver
(d) Brain

Q30. Which two numbers should be interchanged to make the given equation correct ?

4 + 40 × 5 - 16 ÷ 8 = 79

(a) 5 and 16
(b) 16 and 4
(c) 40 and 16
(d) 4 and 40

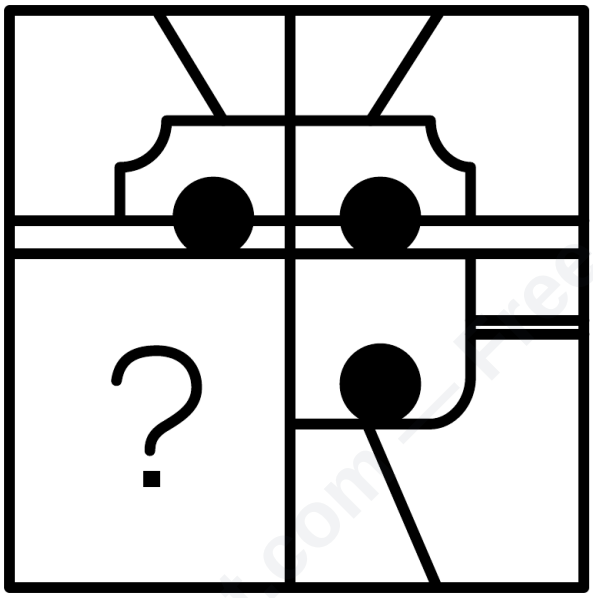
Q31. Select the option that is related to the third number in the same way as the second number is related to the first number.

236 : 33 :: 325 : ?

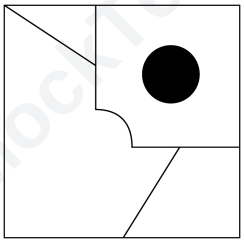
(a) 20
(b) 33
(c) 30
(d) 63

Q32. Which answer figure will complete the pattern in the question figure?

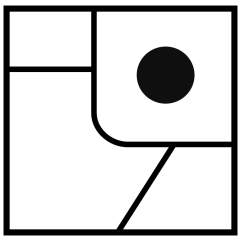
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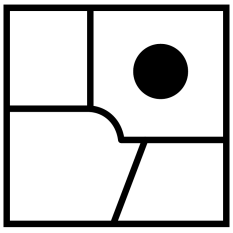
(a)



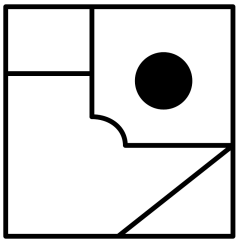
(b)



(c)



(d)



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Q33. Eight boys Anil, Kamal, Ram, Sanjay, Aakash, Vivek, Rahul and Ramu are sitting around a circular table facing towards the centre (not necessarily in the same order). Vivek is third to the right to Kamal. Kamal is second to the right of Sanjay. Ram is second to the right of Anil. Anil is second to the right of Vivek. Rahul is third to the right of Aakash. Who is third to the left of Anil?

(a) Kamal
(b) Vivek
(c) Ramu
(d) Aakash

Q34. Which of the following letter cluster will replace the question mark (?) in the given series?

DMF, FKG, HIH, JGI, LEJ, ?

(a) KDN
(b) MDK
(c) NCK
(d) NDJ

Q35. U, V, W, X and Y are sitting around a circular table facing away from the centre. U is sitting to the immediate left of W. X sits exactly in between V and Y. W and V are sitting next to each other. Who is sitting to the immediate left of U?

(a) X
(b) Y
(c) V
(d) W

Q36. In a certain code language, 'RAUGHT' is written as 'TYWEJR' and 'DOMINE' is written as 'FMOGPC'. How will 'BACKER' be written in that language?

(a) DYEKGP
(b) DYEJIP
(c) DYEIHP
(d) DYEIGP

Q37. Which of the following numbers will replace the question mark (?) in the given series?

89, 170, 219, 244, 253, ?

(a) 256
(b) 257
(c) 254
(d) 255

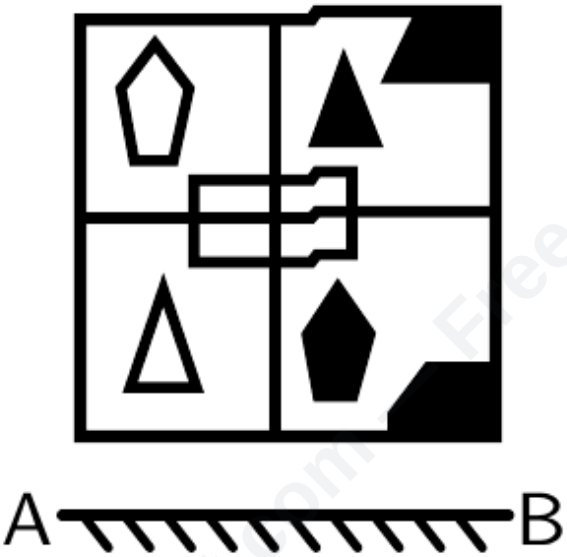
Q38. Which two signs should be interchanged to make the given equation correct?

$2 \div 9 \times 18 + 7 - 4 = 1$

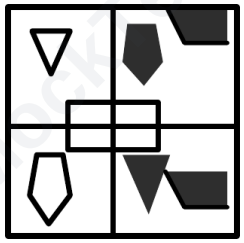
(a) × and +
(b) • and +
(c) = and ×
(d) = and -

Q39. 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?

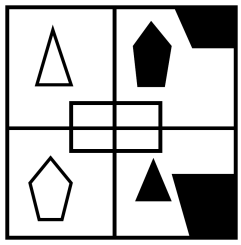
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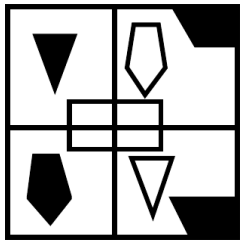
(a)



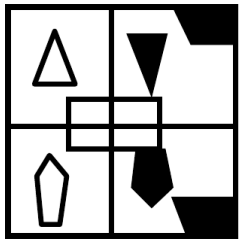
(b)



(c)



(d)



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Q40. Which of the following numbers will replace the question mark (?) in the given series ?

81, 92, 101, 108, 113, ?

(a) 116
(b) 117
(c) 114
(d) 118

SESSION 2

Q41. Which among the following states does NOT produce coal in India?

(a) Odisha
(b) Gujarat
(c) Chhattisgarh
(d) Jharkhand

Q42. The World Games 2022 was held in _____ city of the country, United States of America.

(a) New Orleans
(b) Birmingham
(c) Austin
(d) Washington

Q43. The Statement- "We shall die to awaken the nation" was made by _____.

(a) Bagha Jatin
(b) Pingali Venkayya
(c) Bir Tikendrajit Singh
(d) Surya Sen

Q44. The famous movie "3 idiots" is based on the novel " Five Point Someone" which is written by Indian author _____.

(a) Khushwant Singh
(b) Durjoy Datta
(c) Chetan Bhagat
(d) Novoneel Chakraborthy

Q45. Provida style of architecture belongs to which empire?

(a) Bahmani Empire
(b) Mauryan Empire
(c) Vijayanagar Empire
(d) Gupta Empire

Q46. Which among the following planets rotates in a direction opposite to that of the others?

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

Q47. By which process, water soluble inorganic nutrients go down into the soil horizon and get precipitated as unavailable salts?

(a) Fragmentation
(b) Humification
(c) Leaching
(d) Decomposition

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Q48. Who wrote book named "Gulamgiri" in 1873?

(a) Ishwarchandra Vidyasagar
(b) Dayanand Saraswati
(c) Debendranath Tagore
(d) Jyotiba Phule

Q49. The minimum rate below which banks are not allowed to lend money except in cases specified by the Reserve Bank of India is called _____.

(a) base rate
(b) reverse repo rate
(c) repo rate
(d) cash rate

Q50. Which among the following dance forms of India is associated with Rajasthan?

(a) Bharatanatyam
(b) Ghoomar
(c) Charkula
(d) Odissi

Q51. How many laws were repealed under the Farm Laws Repeal Bill, 2021?

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

Q52. The Great Rann of Kutch falls into _____ region of India.

(a) Coastal Plains
(b) Thar Desert
(c) Northern Plain
(d) Eastern Ghats

Q53. Formula to find unemployment rate is _____.

(a) (Employed workers/Total labour force) × 100
(b) (Unemployed workers/Total labour force) × 100
(c) (Unemployed male workers/ Total labour force) × 1000
(d) (Employed Workers/ Male labour force) × 100

Q54. Mohenjodaro belongs to which of the following civilization?

(a) Maya civilization
(b) Egyptian civilization
(c) Indus Valley civilization
(d) Mesopotamian civilization

Q55. Ananga Pala was a ruler of which dynasty?

(a) Pallava Dynasty
(b) Rajput Dynasty
(c) Gurjara - Pratihara Dynasty
(d) Khalji Dynasty

Q56. Which among the following festivals mark the start of Telugu New year?

(a) Pongal
(b) Onam
(c) Ugadi
(d) Gudi Padwa

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Q57. As of November 2022, what is the official language of India's neighbouring country China?

(a) Burmese
(b) Sinhala
(c) Mandarin
(d) Bengali

Q58. Which of the following government official is the ex officio chairman of Rajya Sabha?

(a) Prime Minister of India
(b) Chief Justice of India
(c) Vice President of India
(d) President of India

Q59. Ustad Amjad Ali Khan is best known for which of the following instrument?

(a) Shehnai
(b) Guitar
(c) Santoor
(d) Sarod

Q60. The force exerted by a charged body on another charged or uncharged body is known as _____.

(a) electrostatic force
(b) pressure force
(c) gravitational force
(d) frictional force

Q61. Liver gland secretes _____ that is stored in a sac called the gall bladder.

(a) mucous
(b) bile juice
(c) hydrochloric acid
(d) estrogen

Q62. In 2019, the Government of India honoured Milena Salvini, an Italian - born Kathakali dancer, with which of the following award?

(a) Bharat Ratna
(b) Padma Shri
(c) Padma Vibhushan
(d) Padma Bhushan

Q63. Super Bowl, an annual championship game of Football is held in _____ Country.

(a) United States of America
(b) Peru
(c) Canada
(d) Mexico

Q64. In January 2022, former RBI Governor, Urjit Patel has been appointed as vice-president for investment operations in _____.

(a) New Development Bank
(b) Asian Infrastructure Investment Bank
(c) International Monetary Fund
(d) World Bank

Q65. The UMEED Scheme of _____ Rural Livelihoods Mission is providing help to the aspirations of rural women in the Union Territory, who aspire to become economically independent.

(a) Jammu and Kashmir
(b) Andaman and Nicobar Islands
(c) Lakshadweep

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(d) Daman and Diu

Q66. Direction: Select the most appropriate meaning of the given idiom.

In fits and starts

(a) Everywhere
(b) Be in difficulty
(c) Irregularly
(d) Summary

Q67. Direction: Select the most appropriate word for the given group of words.

A calculated move to gain an advantage

(a) Grunt
(b) Gambit
(c) Profit
(d) Bonsai

Q68. Direction: Select the word segment that substitutes (replaces) the bracketed word segment correctly and sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

How (can a book such as) be written before I'd lived the incidents it described?

(a) may such a book
(b) No correction required
(c) could such a book
(d) must so a book

Q69. Direction: Select the word from the options which is similar in meaning to the bracketed word given in the sentence below.

There is widespread (prejudice) against workers over 45.

(a) Misfortune
(b) Concern
(c) Temperament
(d) Intolerance

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

It would be neat and / cleanest, a home worthy of / spending our lives together.

(a) No error
(b) cleanest, a home worthy of
(c) spending our lives together.
(d) It would be neat and

Q71. Direction: Select the most appropriate meaning of the bracketed idiom in the given sentence.

He is (a wolf in sheep's clothing), outwardly kind but inwardly vicious!

(a) Angry today about something that occurred in the past
(b) A situation involving a narrow escape from danger
(c) A dangerous person pretending harmless
(d) Verbally scold someone

Q72. Direction: Select the most appropriate word for the given group of words.

Urging or requesting (someone) solemnly or earnestly to do something

(a) Arena
(b) Arrears
(c) Armada
(d) Adjure

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Q73. Direction: Select the most appropriate option to fill in the blank.

Slightly _____ bitter oranges to remove the red color which covers their skins.

(a) grace
(b) grate
(c) great
(d) grade

Q74. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'

It's good to travel and / work, most beautiful than going / to the same office each day.

(a) No error
(b) to the same office each day.
(c) work, most beautiful than going
(d) It's good to travel and

Q75. Direction: A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.

Social media is _____ to market products.

(a) using
(b) use
(c) uses
(d) used

Q76. Direction: Choose the word that is opposite in meaning to the given word.

Plain

(a) Fancy
(b) Crazy
(c) Mean
(d) Stupid

Q77. Direction: Select the most appropriate synonym of the given word.

Wealthy

(a) Affluent
(b) Depressed
(c) Poor
(d) Lacking

Q78. Direction: Select the word from the options which is exactly opposite in meaning to the bracketed word given in the sentence below.

She relished our (arguments), most of which she won.

(a) altercation
(b) negotiations
(c) feud
(d) agreements

Q79. Direction: Fill in the blank with the most appropriate option.

Can we reschedule the meeting? I _____.

(a) have a headache
(b) get a headache
(c) give a headache
(d) take a headache

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

What customs officials are asking for are not things that _____ their own personal titles.

(a) advocate
(b) accede
(c) acerbic
(d) aggrandize

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

If the dog (is allow complete freedom), it can assume that any toy is acceptable for play.

(a) No substitution required
(b) is allowed complete freedom
(c) allowed completely freedom
(d) are allowed complete free

Q82. Direction: Identify the segment that contains a grammatical error. If there is no error', mark the answer as "No error."

I had been angry the whole / evening, so she rubs brahmi / oil into my scalp to cool my brain.

(a) evening, so she rubs brahmi
(b) oil into my scalp to cool my brain.
(c) I had been angry the whole
(d) No error

Q83. Direction: Select the wrongly spelt word.

(a) Philanthropy
(b) Philistine
(c) Phlegmatic
(d) Pausity

Q84. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

We was installing wood flooring throughout our house.

(a) No improvement
(b) installs wooden
(c) installed wood
(d) installs wood

Q85. Direction: Choose the incorrectly spelt word.

(a) Shopping
(b) Trust
(c) Wave
(d) Forciing

Directions

Direction: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

At the core of the ____ (1) __ lies the fierce __ (2) __ between two branches of the Kuru dynasty, the Pandavas and the Kauravas. The lifelong struggle __ (3) __ the cousins for the throne of Hastinapur Culminates __ (4) __ bloody battle of Kurukshetra, in which __ (5) ____ kings of that period participated and perished.

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

(a) bright
(b) exercise
(c) dull
(d) epic

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

(a) Commute
(b) hostile
(c) friendship
(d) rivalry

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

(a) inside
(b) amongst
(c) along
(d) between

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

(a) inside
(b) in that
(c) in to
(d) in the

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

(a) most
(b) each
(c) total
(d) almost

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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