SSC MTS Official Paper (Held On: 14 Jun, 2023 Shift 1) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2023 • 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. What is that rate of simple interest at which a sum of money becomes three times of Itself in 36 years?

(a) 7.28 percent
(b) 6.86 percent
(c) 5.55 percent
(d) 6.28 percent

Q2. If the radius of a cylinder is decreased by 12 percent, then by how much percent its height must be increased, so that the volume of the cylinder remains same?

(a) 29.13 percent
(b) 21.78 percent
(c) 42.56 percent
(d) 34.27 percent

Q3. On Selling a watch at 5/6 of the marked price there is a loss of 10 percent. What will be the ratio of the marked price and cost price of the watch?

(a) 28 : 27
(b) 27 : 25
(c) 29 : 25
(d) 25 : 22

Q4. When 20 percent of a number is added to 160, then the result is that number only, What is the value of the number?

(a) 160
(b) 150
(c) 200
(d) 240

Q5. A sum of Rs. 6000 is divided into two parts. The annual simple interest on the first part at the annual rate of 10 percent is equal to the annual simple interest on the second part at the annual rate of 15 percent. How much is the interest on first part for one year?

(a) Rs. 300
(b) Rs. 330
(c) Rs. 360
(d) Rs. 420

Q6. If 10 men can do a work in 10 days, then in how much time will 2 men do the same work?

(a) 75 days
(b) 60 days
(c) 25 days
(d) 50 days

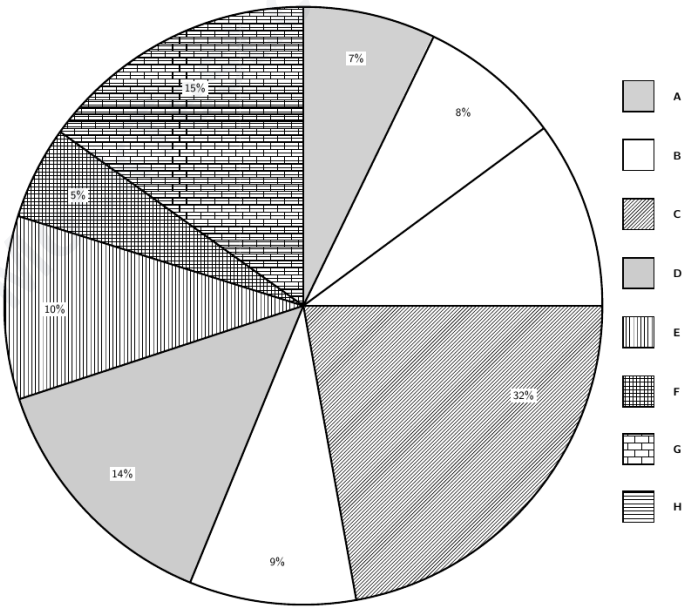
Q7. In a mixture of 55 liters, the ratio of acid to base is 7 : 4, how munch base must be added to make the mixture ratio 4 : 3?

(a) 5.50 liters
(b) 5.85 liters
(c) 6.25 liters
(d) 4.45 liters

Q8. What is the value of 13 × 12 ÷ 26 - 5 × 24 ÷ 10 + 4 × 4 - 8?

(a) 0
(b) -2
(c) -4
(d) 2

Q9. The pie chart given below shows the number of bikes sold by 8 different companies. The total number of bikes sold by all these 8 different companies are 15000. The number of bikes sold by a particular company is shown as a percent of total number of bikes sold by all these 8 different companies.



Which of the following statement is NOT correct?

I. The value of central angle formed by sector A, C and D together is 170.8°.

II. The value of central angle formed by sector B, E, F and H together is 169.2°.

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

Q10. The ratio of incomes of Manish and Pankaj is 13 : 7. If Pankaj gets Rs. 6000 less than Manish, then what is the total income of Manish and Pankaj?

(a) Rs. 25000
(b) Rs. 20000
(c) Rs. 22500
(d) Rs. 24000

Q11. What is the Highest Common Factor of 25, 40 and 60?

(a) 10
(b) 12
(c) 8
(d) 5

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Q12. The cost of 23 tables is Rs. 52840. How many such tables can be purchased in Rs. 1690880?

(a) 590
(b) 690
(c) 528
(d) 736

Q13. The table given below shows the marks obtained by five students in an examination.

Students	Marks
A	400
B	300
C	150
D	350
E	200

What is the ratio of marks obtained by D to the marks obtained by E?

(a) 5 : 3
(b) 7 : 4
(c) 5 : 4
(d) 7 : 3

Q14. If the cost price is 40% of the selling price, then what is the profit percent?

(a) 50%
(b) 200%
(c) 100%
(d) 150%

Q15. What is the value of 28/21 × 96/4 ÷ 125/5 × 42/192 + 297/125 × 875/3 ÷ 99/4 × 6/25 ?

(a) 11
(b) 9/25
(c) 7/25
(d) 7

Q16. If the ratio of the volumes of two cylinders is 7 : 5 and the ratio of their heights is 5 : 7, then what is the ratio of their radii?

(a) 7 : 5
(b) 3 : 4
(c) 5 : 9
(d) 4 : 5

Q17. A walks at a speed of 10 km/hr and 20 hours after his start, B starts on his cycle after him at the speed of 15 km/hr. How far from the starting point will B catch A?

(a) 600 km
(b) 800 km
(c) 1000 km
(d) 700 km

Q18. A man covers half part of a certain distance at 35 km/hr, He covers 40 percent of remaining distance at the speed of 8 km/hr and covers rest of the distance at the speed of 18 km/hr. What is his average speed for the entire journey?

(a) 920/47 km/hr
(b) 680/47 km/hr
(c) 840/47 km/hr
(d) 760/47 km/hr

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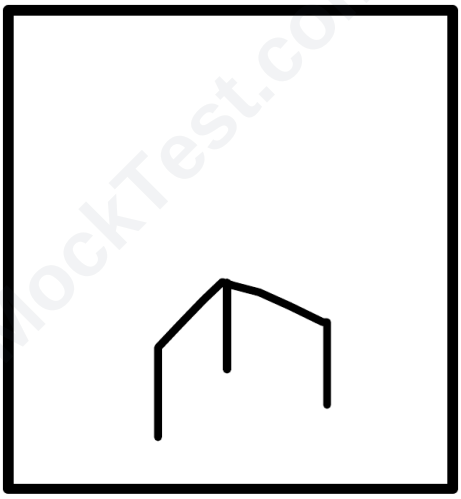
Q19. An article is bought for Rs. 600 and sold for Rs. 900. Find the gain percent?

(a) 40%
(b) 50%
(c) 55%
(d) 45%

Q20. Rashi can finish a work alone in 10 hours, Gopi alone in 8 hours and Manju alone in 12 hours. How long will they take if they worked together?

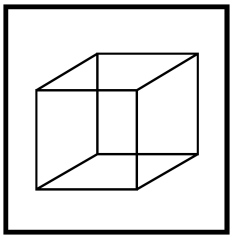
(a) 3 11/37 hours
(b) 4 7/37 hours
(c) 4 3/37 hours
(d) 3 9/37 hours

Q21. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

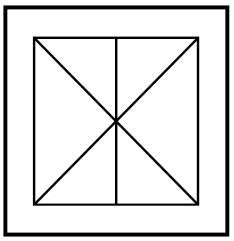


X

(a)

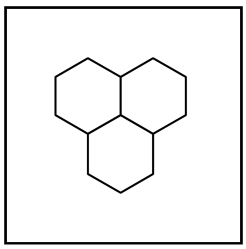


(b)

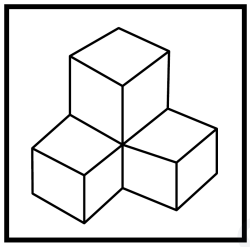


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(c)



(d)



Q22. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

11 C 5 A (9 D 3) B 2 = ?

(a) 12
(b) 10
(c) 7
(d) 9

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

VC, WD, XE, YF, ZG, AH, ?

(a) BI
(b) IB
(c) BJ
(d) ID

Q24. In the following question, select the missing number of the given series.

1, 3, 9, 27, 81, ?

(a) 283
(b) 343
(c) 313
(d) 243

Q25. 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. Some T are M.

II. No T is Y.

Conclusion:

I. Some M are not Y.

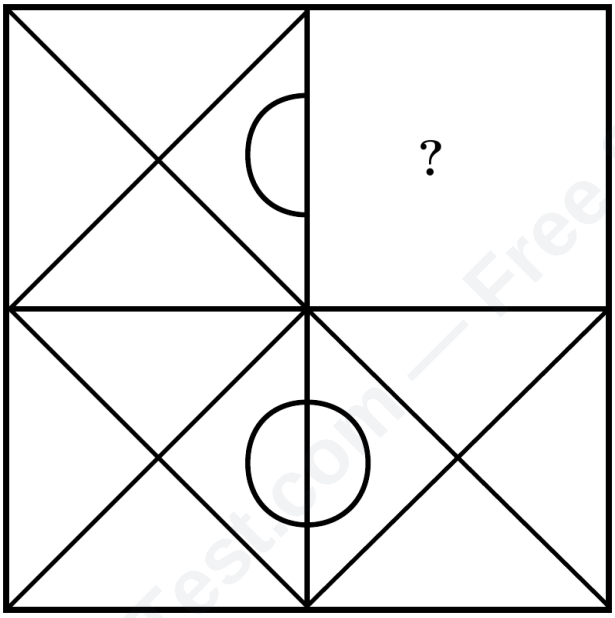
II. Some M are T.

III. All M are Y.

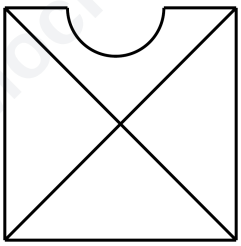
(a) Both conclusions II and III follows
(b) Neither conclusion follows
(c) Both conclusions I and II follows
(d) Both conclusions I and III follows

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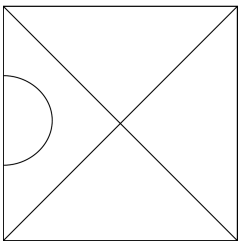
Q26. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)



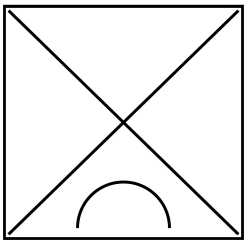
(a)



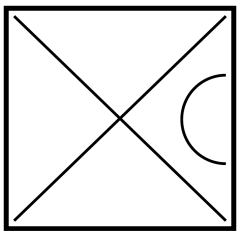
(b)



(c)



(d)



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Q27. Rajesh, Ramesh, Suresh, Mukesh and Pritesh are five friends who scored different marks in a test. Two people scored between Rajesh and Mukesh. Ramesh scored the highest marks. Pritesh scored more than Suresh. Who scored the fourth highest marks?

(a) Suresh
(b) Rajesh
(c) Mukesh
(d) Ramesh

Q28. In a certain code language, 'BROWN' is written as 'CSPXO' and 'CHAIR' is written as 'DIBJS'. How will 'COACH' be written in that language?

(a) DPCDJ
(b) DPBDK
(c) DPBDJ
(d) DPBDI

Q29. A, N, E,H and S are sitting on a bench facing north. A is sitting to the immediate right of S and S is at one of the corners. E is sitting to the right of H, and to the left of N. Who is sitting to the immediate left of H?

(a) N
(b) A
(c) S
(d) E

Q30. In a certain code language, 'BEARD' is coded as '30597', 'BOWEL' is coded as '17832', 'AWARD' is coded as '05209'. What is the code for 'O' in that code language?

(a) 2
(b) 8
(c) 3
(d) 7

Q31. Which of the following numbers will replace the question mark (?) in the given series?

27, 31, 35, 39, 43, 47, ?

(a) 46
(b) 59
(c) 51
(d) 50

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.

Mumbai : Maharashtra :: Chennai : ?

(a) Maharashtra
(b) Rajasthan
(c) Haryana
(d) Tamil Nadu

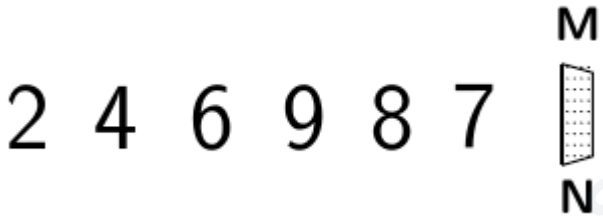
Q33. Select the option that is related to the third word in the same way as the second word is related to the first word.

Rational : logical :: Scanty : ?

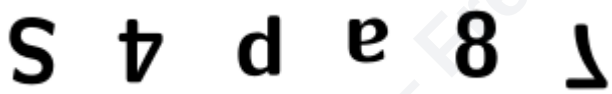
(a) Moving
(b) Abundant
(c) Nodding
(d) Less

Q34. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

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(a)



(b)



(c)



(d)



Q35. 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 red are bird.

II. All bird are dog.

Conclusion:

I. Some bird are dog.

II. Some dog are not red.

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

Q36. Select the option that is related to the third number in the same way as the second number is related to the first number.

42 : 56 :: 24 : ?

(a) 48
(b) 16
(c) 32
(d) 40

Q37. Eight friends Rahul, Ram, Ramesh, Sohan, Sahil, Anil, Sonu and Monu are sitting around a circular table facing towards the centre (not necessarily in the same order). Monu is to immediate right of Sahil. Sonu is third to the left of Sahil. Ram is third to the right of Anil. Sohan is second to the right of Monu. Who is fourth to the right of Monu?

(a) Rahul
(b) Ram
(c) Sahil
(d) Sonu

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

5 ÷ 4 × 8 = 7 - 3

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

Q39. In a certain code language, 'DRINK' is written as 'ETLRP', How will 'ABOVE' be written in that language?

(a) BDRYJ
(b) BDRZJ
(c) BRDXJ
(d) BDRJX

Q40. 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)

(19, 37, 72)

(15, 29, 56)

(a) (11, 21, 40)
(b) (16, 30, 62)
(c) (18, 35, 69)
(d) (12, 25, 50)

SESSION 2

Q41. Rabindranath Tagore started Santiniketan institute in _____.

(a) 1905
(b) 1901
(c) 1903
(d) 1899

Q42. Lomas Rishi cave is situated in which of the following Hills?

(a) Vindhyas Hills
(b) Barabar Hills
(c) Aravali Hills
(d) Satpura Hills

Q43. Archana wishes to contest for Lok Sabha elections in India. What is the maximum limit of constituencies that can she contest?

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

Q44. Nahid Siddiqui was awarded Milapfest's Lifetime Achievement Award in October 2017. She is recognized for which dance form?

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

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Q45. What chemical element does "Mn" stand for in the science periodic table?

(a) Magnesium
(b) Manganese
(c) Mendelevium
(d) Molybdenum

Q46. The moon moves around the earth in about _____ days.

(a) 21
(b) 23
(c) 27
(d) 25

Q47. Which of the following articles of the Indian constitution provides for National commission for Scheduled Castes?

(a) Article 337
(b) Article 344
(c) Article 343
(d) Article 338

Q48. The historical Sher-Shah Suri Marg runs between _____.

(a) Kanpur and Kanyakumari
(b) Delhi and Manali
(c) Delhi and Amritsar
(d) Lucknow and Kolkata

Q49. How many silver medals has won by India at Tokyo Olympics 2020 (played in 2021)?

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

Q50. Which famous female personality received the Padma Shri award for manipuri classical dance?

(a) Kalabati Devi
(b) Devyani Chalia
(c) Elam Endira Devi
(d) Charu Mathur

Q51. Which king was shown on his coins as a Veena player?

(a) Ashoka
(b) Chandragupta Maurya
(c) Samudragupta
(d) Chandragupta I

Q52. Article 51A of the Indian constitution provides for _____.

(a) Fundamental Duties
(b) Fundamental Rights
(c) Directive Principles of State Policy
(d) Union Executive

Q53. Which of the following profession is a type of seasonal unemployment?

(a) Doctors
(b) Information Technology professional
(c) Accountants
(d) Farmer

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Q54. Limestone is a type of _____.

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

Q55. Which country won the Women's Asia Cup 2022 of cricket?

(a) Pakistan
(b) Bangladesh
(c) India
(d) Sri Lanka

Q56. Which of the following is NOT an example of "viviparous" animals?

(a) Bird
(b) Dog
(c) Cat
(d) Cow

Q57. The transformation of the larva into an adult through drastic change is called _____.

(a) metamorphosis
(b) shifting
(c) bulging
(d) budding

Q58. The Ahom Kingdom in India was located in the _____.

(a) Chota Nagpur plateau
(b) Vindhayas
(c) Brahmaputra valley
(d) Coastal Odisha

Q59. The Directive Principles of State Policy is included in which part of the Indian constitution?

(a) Part II
(b) Part III
(c) Part I
(d) Part IV

Q60. An annual allowance for wear and tear of a capital good is known as _____.

(a) gross investment
(b) devaluation
(c) depreciation
(d) disinvestment

Q61. Indore gharana is one of the vocal gharanas of Indian classical music. It was founded by _____.

(a) Ustad Amir Khan
(b) Doreswamy V. Iyengar
(c) Dr. Lakshminarayana Subramaniam
(d) Ustad Bundu Khan

Q62. Guru Bipin Singh is associated with _____ dance form of India.

(a) Kathak
(b) Kalbelia
(c) Manipuri
(d) Bachata

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Q63. Diwali marks the day when lord Ram returned to Ayodhya after _____ years of exile after defeating king ravan.

(a) 11
(b) 7
(c) 12
(d) 14

Q64. As per the 2011 census of India, which Indian state has the lowest sex ratio?

(a) Bihar
(b) Punjab
(c) Haryana
(d) Jharkhand

Q65. Shiv Dayal Saheb, a banker from Agra, founded the Radha Soami Satsang in _____.

(a) 1842
(b) 1880
(c) 1861
(d) 1875

Q66. Direction: In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom Phrase.

In the nick of time

(a) Only just in time
(b) Frequently
(c) Every time
(d) Meantime

Q67. Direction: Fill in the blank with the most appropriate option.

Pay attention to what's happening and make _____ adjustments based on your personal experience.

(a) impartial
(b) honest
(c) placid
(d) reasonable

Q68. 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'.

(Many a opportunities came and went while) he laid wasted.

(a) Many an opportunity came and went while
(b) No substitution required
(c) Many an opportunities came and gone while
(d) Many opportunities come and went as

Q69. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The participants responds to a series of statements at the dance competition.

(a) to a series of statements
(b) The participants responds
(c) No error
(d) at the dance competition.

Q70. 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'.

(Neither of the political factions have had much) interest in environmental intent.

(a) No substitution required
(b) Neither of the political factions have had any
(c) Neither of the political faction has have much

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(d) Neither of the political factions has had much

Q71. Direction: Select the most appropriate option to fill in the blank.

Lumber has many _____ beyond home building.

(a) trunks
(b) loses
(c) pluses
(d) uses

Q72. Direction: The statement below has been given with bracketed text, Select the option with the correct idiom for the bracketed text.

Don't start to think we've (won this game certainly), gentlemen.

(a) swallowed the bitter truth
(b) held our horses
(c) have skin in the game
(d) got this game in the bag

Q73. Direction: Select the most appropriate antonym to substitute the bracketed word in the given sentence.

He is (frank) about what he sees as the shortcomings of his great predecessors.

(a) assisting
(b) cheerful
(c) evasive
(d) fortunate

Q74. Direction: Select the most appropriate option to fill in the blank.

Many people may not find the rewards _____ with the time and effort required.

(a) collude
(b) coffer
(c) commensurate
(d) capable

Q75. Direction: Select the correctly spelt word.

(a) Contrribute
(b) Contribbute
(c) Contribute
(d) Contribuet

Q76. Direction: Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.

(a) Microsoft announced plans to make bids to accquire Byte Dance.
(b) The job of the artist is to make the revolution perceptible.
(c) Except that it'll be rooted in awkard, funny and compelling reality.
(d) She used the 14th Amendment to acheive equality.

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

Golden

(a) Dull
(b) Gloomy
(c) Shining
(d) Dark

Q78. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'

The NCGG has been / set up to assist in / bring about governance reforms through studies.

(a) set up to assist in
(b) bring about governance reforms through studies.

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(c) The NCGG has been
(d) No error

Q79. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
I try to eat less meat and more vegetables.
(a) to eats less
(b) to eat lesser
(c) to ate less
(d) No Improvement

Q80. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error.'
Eddie just panics / when it gets close / nearer the end.
(a) nearer the end.
(b) No error
(c) when it gets close
(d) Eddie just panics

Q81. Direction: Fill in the blank with the most appropriate option.
The only one _____ shattered their monotony by his visits was Krishna.
(a) whomever
(b) whatever
(c) whoever
(d) whichever

Q82. Direction: Select the most appropriate antonym of the given word.
Irreverent
(a) Restoration
(b) Respectful
(c) Dormant
(d) Relevant

Q83. Direction: Select the most appropriate word for the given group of words.
One who hates or discriminates against women.
(a) Misogynist
(b) Pessimist
(c) Feminist
(d) Atheist

Q84. Direction: Select the most appropriate word for the given group of words.
A violent wind that has a circular movement
(a) Drought
(b) Deluge
(c) Tsunami
(d) Hurricane

Q85. Direction: Select the appropriate synonym for the underlined word.
I am parched, dehydrated to the point of pain.
(a) Braced
(b) Moistened
(c) Drained
(d) Washed

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Directions

Direction: In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The figure of Arthur first appeared in Welsh poetry in the ____ (1) __ sixth and early seventh centuries, a hero who was __ (2) __ lead the Britons in battle against Saxon invaders. But it wasn't __ (3) ____ the 12th century that he was first tied to this dramatic headland, known as Tintagel.

The timeless popularity of the Arthur legend has overshadowed a central, unresolved ____ (4) __: Was there really a King Arthur, or at least a historical prototype upon whom Geoffrey's hero is __ (5) ____?

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

(a) least
(b) late
(c) latest
(d) latter

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

(a) said to
(b) tamed to
(c) brought to
(d) told

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

(a) none
(b) beyond
(c) until
(d) unless

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

(a) establishment
(b) commotion
(c) mess
(d) question

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

(a) caged
(b) based
(c) hanged
(d) found

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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