SSC MTS (2022) Official Paper (Held On: 16 Jun, 2023 Shift 2) (Previous Year Paper)

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

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Practise under exam conditions, then review your answers after you submit.

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SESSION 1

Q1. The ratio of selling price to the cost price is 9 : 8. What is the profit percentage?

(a) 15 percent
(b) 12.5 percent
(c) 20 percent
(d) 10.5 percent

Q2. What is the value of 132/11 × 13/12 ÷ 169/14-1/13 ?

(a) 5
(b) 6
(c) 3
(d) 1

Q3. The sum of the two numbers is 45. Their HCF And LCM are 5 and 70 respectively. Find the sum of the reciprocal of the two numbers.

(a) 9/70
(b) 3/140
(c) 4/35
(d) 3/16

Q4. Price of 1 kg of rice is increased by 50 percent and the old price of the rice is Rs. 60. What is the new price of the rice per kg?

(a) Rs. 90
(b) Rs. 80
(c) Rs. 60
(d) Rs. 72

Q5. The sum of the length and breadth of a cuboid is 16 cm. If the height of the cuboid is 1/4 of the sum of its length and breadth, then what is the lateral surface area of the cuboid?

(a) 128 cm2
(b) 196 cm2
(c) 96 cm2
(d) 156 cm2

Q6. Simple interest on a sum for eight months at the rate of 8 percent per annum is Rs. 240. What is the value of sum?

(a) Rs. 7500
(b) Rs. 6000
(c) Rs. 7200
(d) Rs. 4500

Q7. P and Q start from the same point and at the same time with speeds 20 km/hr and 16 km/hr respectively. What is the distance between P and Q after 4 hours if both move in same direction?

(a) 12 km
(b) 20 km
(c) 15 km
(d) 16 km

Q8. A mixture of 500 litres of alcohol and water contains 20 percent water. How much more water should be added to this so that the water will become 50 percent in the new mixture?

(a) 300 litres
(b) 400 litres
(c) 350 litres
(d) 450 litres

Q9. A bottle holds 8 litres of a mixture of milk and water in a ratio of 3 : 1. 3 litres of water is added to the given mixture. Find the new ratio of milk and water in the mixture.

(a) 3 : 2
(b) 1 : 3
(c) 2 : 3
(d) 6 : 5

Q10. The compound interest (compounding annually) on a certain sum for 2 years at the rate of 20 percent per annum is Rs.2420. What will be the simple interest on the same sum for 3 years at the same rate of interest?

(a) Rs. 3300
(b) Rs. 3000
(c) Rs. 3800
(d) Rs. 4200

Q11. The table given below shows the production of taxi by two companies in 6 years.

Years	A	B
Y1	800	1300
Y2	500	1000
Y3	700	800
Y4	1200	400
Y5	900	300
Y6	600	500

Which of the following statement is NOT correct?

I. The production of taxi by A in year Y1 is 20 percent more than production of taxi by B in year Y2.

II. The ratio of total production of taxi by A in year Y3 and Y4 to the total production of taxi by B in year Y5 and Y6 is 8 : 19.

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

Q12. The profit earned by selling a jacket for Rs. 3860 is equal to the loss incurred by selling the same jacket for Rs. 1900. What should be the selling price of the jacket to earn 10 percent profit?

(a) Rs. 3450
(b) Rs. 3168
(c) Rs. 3360
(d) Rs. 3250

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Q13. The radius of two spheres is in the ratio of 1 : 5. What is the ratio of the volume of the two spheres?

(a) 8 : 27
(b) 1 : 25
(c) 1 : 125
(d) 1 : 64

Q14. A can construct a divider alone in 60 days, while B alone can construct it in 80 days. If they construct it together and get Rs. 7000, then what is B's share?

(a) Rs. 2880
(b) Rs. 3000
(c) Rs. 3500
(d) Rs. 3200

Q15. What is the value of $\sqrt{(0.48 \times 0.48+0.25 \times 0.25+0.5 \times 0.48)}$?

(a) 0.63
(b) 0.93
(c) 0.83
(d) 0.73

Q16. If P : Q : R = 4 : 7 : 9 and R : S = 2 : 5, then what is the value of P : S?

(a) 8 : 45
(b) 1 : 5
(c) 9 : 57
(d) 10 : 43

Q17. Sunil drove for 2 hours at a rate of 50 miles per hour and for 3 hours at 60 miles per hour. What was his average speed for the whole journey?

(a) 55 miles per hour
(b) 50 miles per hour
(c) 56 miles per hour
(d) 52 miles per hour

Q18. Two pipes can fill a tank alone in 20 hours and 24 hours respectively and a outlet pipe alone can empty 20 gallons of water per hour. All the three pipes working together can fill the same empty tank in 40 hours. What is the capacity of the tank?

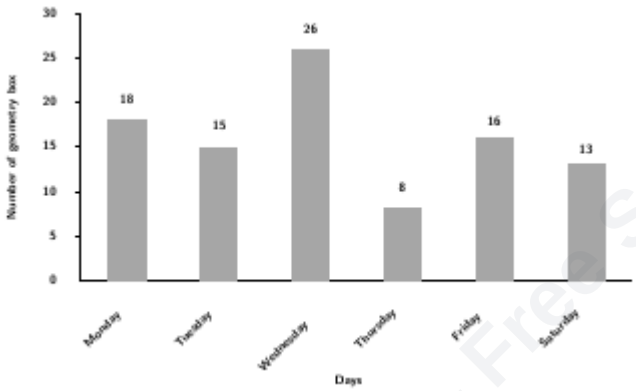
(a) 450 gallons
(b) 300 gallons
(c) 600 gallons
(d) 480 gallons

Q19. The marked price of an article is 160 percent of the cost price. If 30 percent discount is given, then what will be the profit percentage?

(a) 10 percent
(b) 15 percent
(c) 12 percent
(d) 14 percent

Q20. The following bar graph shows the sale of geometry boxes for 6 days in a stationary shop. What is the average sale per day?

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(a) 16
(b) 20
(c) 18
(d) 15

Q21. 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 Blankets are Bedsheets.

Some Bedsheets are Pillows.

Conclusions:

I. Some Blankets are Pillows.

II. All Bedsheets can never be Pillows.

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

Q22. Select the option that is related to the third word in the same way as the second word is related to the first word.

Horses : Neigh :: Frogs : ?

(a) Roar
(b) Yelp
(c) Croak
(d) Amphibian

Q23. If A denotes 'addition', B denotes 'multiplication', C denotes 'subtraction', and D denotes 'division', then what will be the value of the following equation?

7 B 3 C 18 A (4 D 2) = ?

(a) 6
(b) 7
(c) 5
(d) 4

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

XG, UJ, RM, OP, ?

(a) MR
(b) LS
(c) MS
(d) LR

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Q25. In a certain code language, 'IGNORE' is written as 'REONGI'. How will 'JUNIOR' be written in that language?

(a) ORIUNJ
(b) ORIJUN
(c) OIRNUJ
(d) ORINUJ

Q26. Which of the following numbers will replace the question mark (?) in the given series?

29, 36, 44, 53, 63, ?

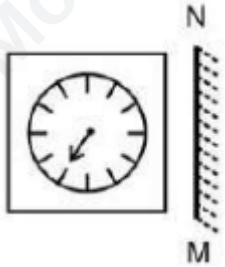
(a) 74
(b) 76
(c) 78
(d) 72

Q27. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term

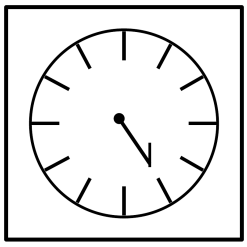
TRA : XNO :: GBT : QXB :: NOQ : ?

(a) NKI
(b) NKJ
(c) NIJ
(d) NII

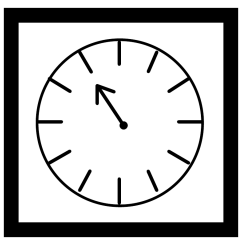
Q28. Select the correct mirror image of the given figure when the mirror MN is placed to the right side of the figure.



(a)

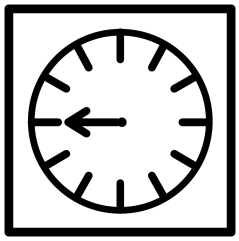


(b)

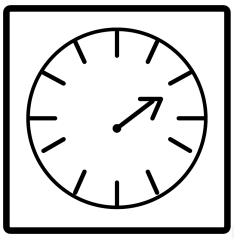


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(c)



(d)



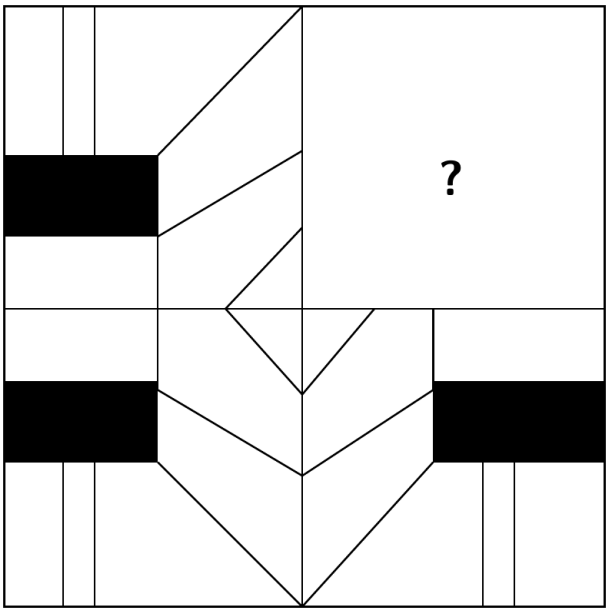
Q29. In a certain code language, 'CAMERA' is written as 'B185131D'. How will 'EXTEND' be written in that language?

(a) C1452024F
(b) E1452024F
(c) E1452024D
(d) C1452024D

Q30. Seven girls Mansi, Shweta, Monika, Payal, Aarti, Kajal and Laxmi are sitting around a circular table facing opposite to the centre (not necessarily in the same order). Kajal is second to the left of Laxmi. Payal is the immediate neighbour of both Mansi and Laxmi. Monika is not the immediate neighbour of Laxmi. Aarti is second to the left of Kajal. Who is sitting second to the left of Payal?

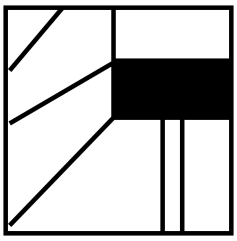
(a) Aarti
(b) Laxmi
(c) Kajal
(d) Shweta

Q31. Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern. (rotation is not allowed)

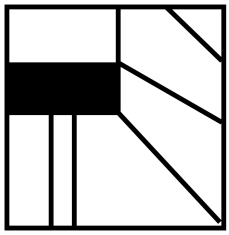


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(a)



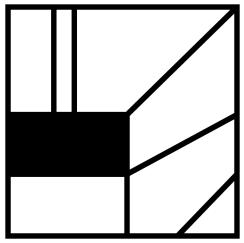
(b)



(c)



(d)



Q32. Which of the following numbers will replace the question mark (?) in the given series?

25, -75, 225, -675, 2025, ?

(a) -5160
(b) -6075
(c) -7250
(d) -8400

Q33. 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 land are solid.

II. No land is boy.

Conclusion:

I. All solid are land.

II. All boy are solid.

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

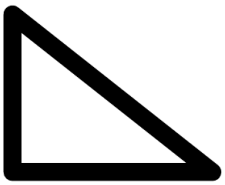
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Q34. After interchanging the given two signs and two numbers, what will be the value of the given equation?

• and ÷, 4 and 6; 8 ÷ 6 × 3 + 4 - 9

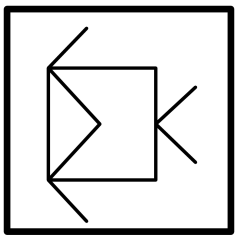
(a) 6
(b) 1
(c) 0
(d) 2

Q35. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

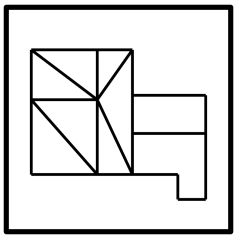


(X)

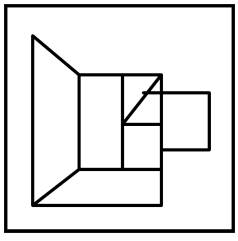
(a)



(b)

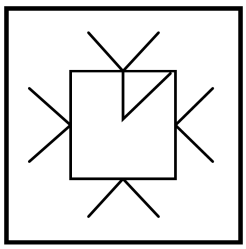


(c)



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(d)



Q36. Five friends Mahi, Mili, Milan, Manas, and Monika sit on a bench facing north. Only Mahi is sitting between Mili and Monika. Manas sits to the immediate left of Mili. Manas is not at the end. Who sits to the immediate right of Milan?

(a) Manas
(b) Monika
(c) Mahi
(d) Mili

Q37. 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)

(2, 7, 81)

(5, 6, 121)

(a) (7, 5, 134)
(b) (5, 4, 100)
(c) (6, 2, 36)
(d) (6, 7, 169)

Q38. Number of pens in five shops M1, M2, M3, M4 and M5 are compared. Number of pens in M3 are more than only M1. No two shops have same number of pens. Number of pens in M4 are less than M2 but more than M5. Number of pens in M4 are more than how many shops?

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

Q39. In a certain code language, 'JPTM' is written as '9421', 'MOST' is written as '3279', 'OPJB' is written as '4617'. What is 'S' written in that code language?

(a) 7
(b) 9
(c) 3
(d) 2

Q40. Select the option that is related to the third number in the same way as the second number is related to the first number.

14 : 75 :: 11 : ?

(a) 64
(b) 78
(c) 60
(d) 55

SESSION 2

Q41. India shares longest land border with which of the following countries?

(a) Bangladesh
(b) Pakistan
(c) China
(d) Nepal

Q42. Pongal is another name for Makar Sankranti, which is celebrated during the same time in various cities of _____.

(a) Andhra Pradesh
(b) Karnataka
(c) Kerala
(d) Tamil Nadu

Q43. Which among the following is a cooking procedure in which the sugar in the food gets oxidized, turning into a brown colour?

(a) Filtration
(b) Caramelisation
(c) Emulsification
(d) Bromination

Q44. After recovering from an infectious illness, often small pox, Brita dance is typically performed to thank the local deity. It is one of the most well - known dances of _____.

(a) West Bengal
(b) Bihar
(c) Uttar Pradesh
(d) Jharkhand

Q45. Which country is the only country in the world to have both tigers and lions?

(a) Kenya
(b) South Africa
(c) India
(d) China

Q46. "Janjatiya Gaurav Diwas" is observed on the birth anniversary of _____.

(a) Mahatma Gandhi
(b) Sardar Vallabhbhai Patel
(c) Birsa Munda
(d) B. R. Ambedkar

Q47. Which Odissi dancer was the first dancer of foreign origin to be conferred the Padma Shri in 2006?

(a) Ileana Citaristi
(b) Mrinalini Sarabhai
(c) Sofia Boutella
(d) Eri Nakamura

Q48. Which of the following singer is honoured with the Padma Shri 2022 by the Government of India?

(a) Abhijeet Bhattacharya
(b) Anu Malik
(c) Leslie Lewis
(d) Sonu Nigam

Q49. The Mahabodhi Temple Complex has direct association with the life of the _____.

(a) Lord Buddha
(b) Jain Trithankars
(c) Mughal rulers
(d) Sikh Gurus

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Q50. If we deduct depreciation from GNP the measure of aggregate income that we obtain is called _____.

(a) Gross domestic product
(b) National income
(c) Private income
(d) Net National Product

Q51. The Union Finance Ministry issued a notification amending the Electoral Bonds Scheme to allow the sale of electoral bonds for extra _____ days in the year of general elections to the Legislative Assembly of States and UTs with legislature.

(a) 45
(b) 35
(c) 15
(d) 25

Q52. Who is the author of the novel, "Oliver Twist"?

(a) Mark Twain
(b) Charles Dickens
(c) Oscar Wilde
(d) Jane Austen

Q53. Judo has its origin in ancient _____ art of Ju - jitsu.

(a) Malaysian
(b) Korean
(c) Chinese
(d) Japanese

Q54. The slash and burn agriculture is called 'Bewar' or 'Dahiya' in _____.

(a) Madhya Pradesh
(b) Odisha
(c) Assam
(d) Uttar Pradesh

Q55. Who gave title of "Father of the Nation" to Mahatma Gandhi?

(a) Rabindranath Tagore
(b) Subhas Chandra Bose
(c) Jawaharlal Nehru
(d) Sardar Vallabhbhai Patel

Q56. Oxides of _____ and ____ dissolve in rain water and form acids which is called as acid rain.

(a) phosphorous, sulphur
(b) sulphur, nitrogen
(c) carbon dioxide, methane
(d) calcium, magnesium

Q57. Satyajit Ray was honoured with Bharat Ratna in 1992. He was a famous _____.

(a) Physicist
(b) Filmmaker
(c) Cricketer
(d) Lawyer

Q58. PM SVANidhi Scheme aims to empower _____.

(a) Street Vendors
(b) BPL Families
(c) Pregnant women
(d) Small Businessman

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Q59. _____ is the female reproductive part of the flower.

(a) pistil
(b) filament
(c) anther
(d) sprouting

Q60. Which of the following was an ambassador of Persian ruler and was sent to Vijayanagara?

(a) Nicolo de Conti
(b) Abdur Razzaq
(c) Duarte Barbosa
(d) Fernao Nuniz

Q61. He is also known as the God of ghatam. Who is 'He' in the preceding line?

(a) Ustad Bundu Khan
(b) Pandit Ravi Shankar
(c) TH Vinayakram
(d) Ustad Bismillah Khan

Q62. Which of the following articles of the Indian Constitution mentions the fundamental duty to safeguard public property and to abjure violence"?

(a) Article 51A (i)
(b) Article 51A (g)
(c) Article 51A (a)
(d) Article 51A (d)

Q63. Which ruler defeated Humayun in the battle of Chausa and Kannauj?

(a) Islam Shah
(b) Ali Adil Shah II
(c) Muhammad Adil Shah
(d) Sher Shah

Q64. When was the Champaran Agrarian Law passed by the British Government?

(a) 1918
(b) 1919
(c) 1917
(d) 1916

Q65. Which of the following is NOT a major tribe of South India?

(a) Dang
(b) Toda
(c) Badaga
(d) Irula

Q66. Fill in the blank with the most appropriate option.

Aunt Petunia was _____ a box of after-dinner mints.

(a) passing round
(b) passed around
(c) passing around
(d) passed away

Q67. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the Idiom Phrase.

As easy as pie

(a) Tasteful
(b) Auspicious

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(c) Very easy
(d) Difficult choice

Q68. Select the most appropriate word for the given group of words.
A state of agitation especially over a trivial matter
(a) Storm
(b) Harmony
(c) Worry
(d) Fuss

Q69. The statement below has been given with bracketed text. Select the option with correct Idiom for the bracketed text.
That's just like Julie - always (coming to conclusions too quickly) even before she knows the facts.
(a) jumping in with both feet
(b) raring to go
(c) sailing in the same boat
(d) biting her own tongue

Q70. Fill in the blank with the most appropriate option.
I wanted to _____ things that girls weren't supposed to do.
(a) do allot of
(b) done a lot of
(c) do a lot off
(d) do a lot of

Q71. Find the part of the given sentence that has an error in it. If there is no error, choose "No error'.
If I was your sister, I would have never slapped you.
(a) If I was your
(b) never slapped you.
(c) sister, I would have
(d) No error

Q72. Select the appropriate antonym for the underlined word.
His gray, lifeless eyes were sunken.
(a) extinct
(b) lapsed
(c) vibrant
(d) pointed

Q73. Select the most appropriate option to fill in the blank.
She _____ and left the room, carefully pulling the door shut.
(a) site
(b) sighed
(c) side
(d) slide

Q74. Four sentences are given, out of which three have spelling errors. Choose the sentence with all correctly spelt words.
(a) It turns out multiple groups have measured the concensus.
(b) The proposed cuts have caused considerable contraversy.
(c) The companies may lose a lot of their overseas exposure.
(d) She was in a bouyant mood and was looking forward to her new life.

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Q75. Select the most appropriate antonym of the given word.

Impertinent

(a) Polite
(b) Irrelevant
(c) Insolent
(d) Personal

Q76. Select the word from the options which is similar in meaning to the bracketed part given in the sentence below.

The women stared at me with (great interest or concern).

(a) intellect
(b) control
(c) curiosity
(d) possession

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

Capricious

(a) Arbitrary
(b) Stable
(c) Steadfast
(d) Cautious

Q78. Fill in the blank with the most appropriate choice.

In more civilized times even the most _____ enemies were treated with dignity.

(a) explicable
(b) vindicable
(c) implacable
(d) ineducable

Q79. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required if the sentence is correct as given.

Welcome to the Ministry of Magic, (please administer your name) and business.

(a) No correction required
(b) please direct your name
(c) please state your name
(d) please inform your entitle

Q80. Select the correctly spelt word.

(a) ubiqitous
(b) ubquitous
(c) ubiquitous
(d) ubiqoitous

Q81. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

The 1918 influenza pandemic sweep the world within months.

(a) No error
(b) world within months.
(c) pandemic sweep the
(d) The 1918 influenza

Q82. Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option no correction required if the sentence is correct as given.

The relationship between two people is (by the way in what) they feel and behave towards each other.

(a) the way by which
(b) by which ways

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(c) the way in which
(d) No correction required

Q83. Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

He best understand that / because of the fight it is no / longer his decision to make.

(a) He best understand that
(b) longer his decision to make.
(c) because of the fight it is no
(d) No error

Q84. 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'.

Besides the atmospheric changes that make us sweat, (hormonal or emotional stimulus can also cause sweating).

(a) hormonal and emotional stimuli also causes sweating
(b) hormonal or emotional stimuli can also cause sweating
(c) No substitution required
(d) hormonal or emotional stimulus also causing sweating

Q85. Select the most appropriate word for the given group of words.

Sets of principles concerned with the nature and appreciation of beauty

(a) Asylum
(b) Aesthetics
(c) Atonement
(d) Aspersion

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.

Louisiana hosts one of the (1) _____ well known celebrations - Mardi Gras. Mardi Gras is French for "Fat Tuesday". This (2) _____ is sometimes called "Shrove Tuesday". (3) ___ wear masks and costumes, overturn social conventions, dance, organize competitions and parades. Related popular practices (4) ___ associated with celebrations before the fasting and religious obligations associated (5) ____ the penitential season of Lent.

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

(a) all
(b) some
(c) most
(d) more

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

(a) holiday
(b) variation
(c) vacation
(d) vocation

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

(a) Plants
(b) People
(c) Animals
(d) Birds

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

(a) will be
(b) have
(c) were

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(d) is

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

(a) from
(b) with
(c) of
(d) off

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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