SSC MTS 2023 Official Paper (Held On: 11 Sept, 2023 Shift 1) (Previous Year Paper)

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

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SESSION 1

Q1. If the selling price of 16 bulbs is equal to the cost price of 24 bulbs, what is the profit percentage?

(a) 40%
(b) 50%
(c) 25%
(d) 20%

Q2. If the manufacturer gains 10%, the wholesale dealer gains 12% and the retailer gains 15%, then find the cost production of a table, the retail price of which is Rs. 1,771.

(a) Rs. 1,150
(b) Rs. 1,050
(c) Rs. 1,250
(d) Rs. 1,350

Q3. If the average of two numbers is 12 and the product of the same two numbers is 119, then the difference of those two numbers is:

(a) 7
(b) 6
(c) 10
(d) 8

Q4. Two cyclists start at the same time from opposite ends of a 200 km long straight road. One cyclist travels at a speed of 20 km/h and the other at a speed of 30 km/h. How long will it take them to meet?

(a) 5 hours
(b) 4 hours
(c) 5.5 hours
(d) 4.5 hours

Q5. A hollow metal sphere of internal and external radii 5 cm and 6 cm, respectively, is melted into a solid cone of base radius 5.2 cm. What is the height (in cm, rounded off to 1 decimal place) of the cone?

(a) 11.8
(b) 12.8
(c) 13.5
(d) 14.5

Q6. If Rita's salary increases by 5% in the first year and by 2% in the next year, then what is the net percentage increase in her salary after two years?

(a) 6.1%
(b) 5.1%
(c) 8.1%
(d) 7.1%

Q7. Mohan can complete a piece of work in 24 days. He worked for 6 days and left the work. Thereafter, Sohan finished the remaining work in 21 days. In how many days, can Mohan and Sohan together complete it?

(a) 12 12/13 days
(b) 12 9/13 days
(c) 12 11/13 days
(d) 12 10/13 days

Q8. The volume (in cm^3) of a sphere with diameter 7 cm is:

Take $\pi = 22/7$

(a) 179.66
(b) 168.44
(c) 197.66
(d) 186.44

Q9. In a fort, 160 men had food for 94 days. After 10 days, 20 men left the fort. How long (in days) would the food last at the same rate?

(a) 84
(b) 90
(c) 96
(d) 100

Q10. What sum of money (in Rs.) will earn an interest of Rs. 1,800 at the rate of 6% per annum simple interest in five years?

(a) 18,000
(b) 6,000
(c) 8,000
(d) 5,000

Q11. If the ratio among the time taken by three cars to travel a certain distance is 2 : 3 : 5, then the ratio of speeds of these cars will be:

(a) 10 : 6 : 15
(b) 15 : 9 : 8
(c) 10 : 15 : 8
(d) 15 : 10 : 6

Q12. The fourth proportion of 2, a and 5a is _____.

(a) $(2\ a^2)/5$
(b) $(5\ a^2)/2$
(c) $(2\ a^2)/3$
(d) $(5\ a^2)/3$

Q13. Find the LCM of 1288, 230, 276.

(a) 19,320
(b) 19,230
(c) 9,660
(d) 6,440

Q14. Study the following table and answer the question given below it.

Distribution of students according to professional courses.

S.No	Course	Faculty			
Arts	Science				
Girls	Boys	Girls	Boys		

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1.	Business Management	25	45	25	65
2.	Type - writing	23	186	20	32
3.	Costing	25	120	12	58
4.	Typewriting & Costing	12	100	3	5

The percentage of students of Arts faculty doing costing only is (round to the nearest integer) :

(a) 18
(b) 15
(c) 10
(d) 27

Q15. In some quantity of water ,four times the quantity of milk is added and the quantity of the mixture is now 7.5 litres. How much more milk is to be added to the mixture to have 90% milk in the mixture ?

(a) 9 liters
(b) 9.5 liters
(c) 6 liters
(d) 7.5 liters

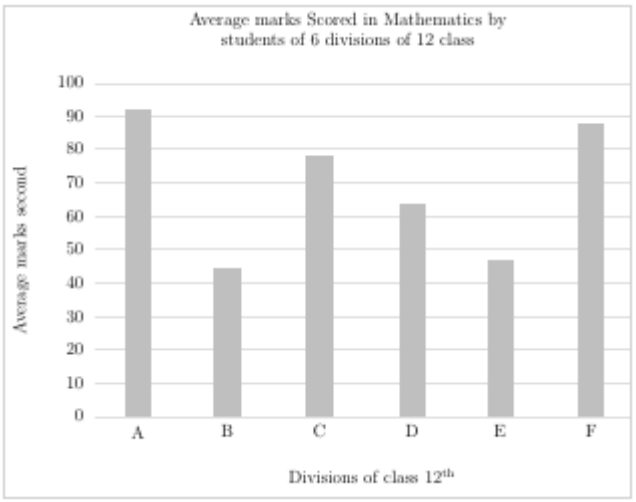
Q16. Evaluate 3 1/2-[2 1/4 ÷{1 1/4-3/4(1 1/2-1/2-2 1/2)}] :

(a) 1 21/38
(b) 2 19/18
(c) 2 21/38
(d) 47/38

Q17. Arvind, Bilal, Carmen invest Rs. 49,000 towards a business. Arvind invests Rs. 5,000 more than Bilal and Bilal invests Rs. 4,000 more than Carmen. Out of a total profit of Rs. 98,000, how much does Bilal receive?

(a) Rs. 34,400
(b) Rs. 33,200
(c) Rs. 30,500
(d) Rs. 32,000

Q18. The bar graph shows the average marks scored in Mathematics examination (out of 100) by students of 6 divisions of XII^(th) standard.



What is the ratio of the average marks scored by Division B to Division D?

(a) 9 : 13
(b) 1 : 3
(c) 13 : 9

(d) 1 : 9

Q19. An amount of Rs. 2,000 amounts to Rs. 2,880 in 2 years. What will be the rate of interest if compounded annually?

(a) 12%
(b) 28%
(c) 10%
(d) 20%

Q20. The average weight of some students in class 12th was 56 kg. When seven students whose average weight was 58 kg joined the class, the average weight of all the students increased by 200 gm. Find the number of students in the class in the beginning?

(a) 56
(b) 77
(c) 49
(d) 63

Q21. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

23 ÷ 2 + 41 - 84 × 14 = ?

(a) 21
(b) 1
(c) 31
(d) 11

Q22. In a certain code language, 'yes you can' is coded as 'an cf dt' and 'you are enough' is coded as 'sk dt hw'. How is 'you' coded in the given language?

(a) cf
(b) sk
(c) dt
(d) hw

Q23. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion's logically follow's from the gives statements.

Statements :

All phones are flowers.

Some flowers are bags.

All bags are heavy.

Conclusion I : Some phones are flowers.

Conclusion II : All flowers are bags.

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

Q24. The position of how many letters will remain unchanged if each of the letter in the word 'CHILDREN' is arranged in alphabetical order?

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

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Q25. Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion's logically follow/s from the given statements.

Statements :

All torches are guitars.

Some guitars are bulbs.

No bulb is a stove.

Conclusion I : All bulbs are guitars.

Conclusion II : No guitar is a torch.

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

Q26. What will come in place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?

15 - 6 + 12 × 3 ÷ 4 = ?

(a) 5
(b) 10
(c) 7
(d) 9

Q27. Select the combination of letters that when sequentially placed in the blanks of the given series, will complete the series.

NO_N_ _NO_ _ON

(a) NONNN
(b) OOONO
(c) ONOON
(d) NONON

Q28. What should come in place of '?' in the given series?

4 19 79 319 1279 ?

(a) 4875
(b) 5299
(c) 4913
(d) 5119

Q29. Six people, Deepak, Gauri, Babita, Ira, Farheen and Hema are sitting in a straight line, facing north.

Deepak sits 2nd from the left end. Gauri sits 2nd to the right of Deepak. Ira sits 2nd to the right of Gauri. Farheen sits 3rd to the left of Ira. Babita sits 2nd to the left of Farheen.

Who sits 3rd to the right of Deepak?

(a) Farheen
(b) Hema
(c) Babita
(d) Ira

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

5 23 95 ? 1535 6143 24575

(a) 383
(b) 347
(c) 312
(d) 361

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Q31. Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.

(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)

Legend : Map

(a) Volume : Guidebook
(b) Glossary : Text
(c) Column : Essay
(d) Profession : Biography

Q32. What should come in place of ? in the given series based on the English alphabetical order?

CSP, EUQ, GWR, IYS, ?

(a) JBS
(b) LBT
(c) KAT
(d) JAR

Q33. Find out the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

K_Y _KUT R_PO MKK_ HK_EB

(a) WKBFP
(b) WBHZP
(c) ZWKJF
(d) ZKWLF

Q34. In a certain code language, 'BACK' is coded as '17' and 'DTDC' is coded as '31'. What is the code for 'JAAM' in the given code language?

(a) 35
(b) 20
(c) 40
(d) 25

Q35. In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. 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)

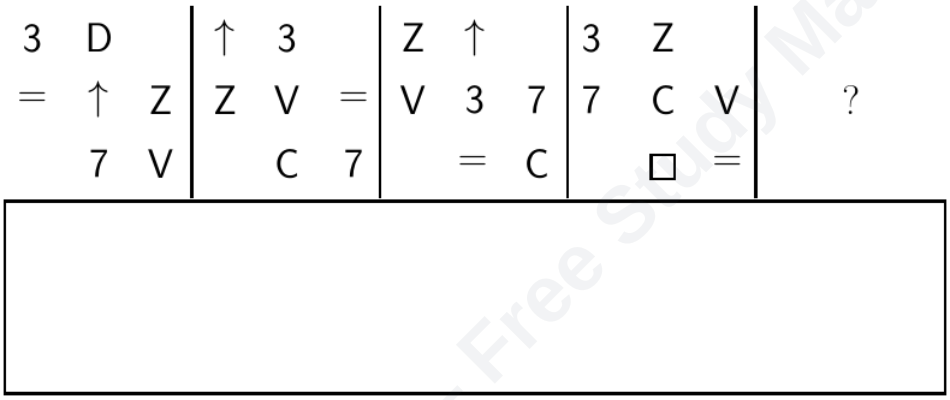
8, 128

9,162

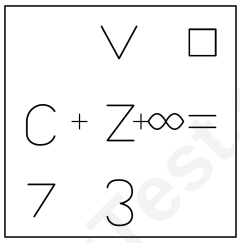
(a) 11, 124
(b) 14, 392
(c) 12, 149
(d) 13, 170

Q36. Which figure should replace the question mark (?) if the following figure series were to be continued?

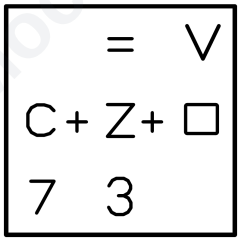
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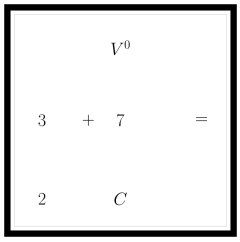
(a)



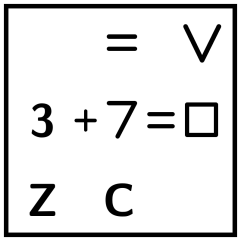
(b)



(c)



(d)



Q37. What should come in place of '?' in the given series?

11 59 299 1499 7499 ?

(a) 38199
(b) 37699
(c) 37499
(d) 38499

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Q38. In the following number - pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

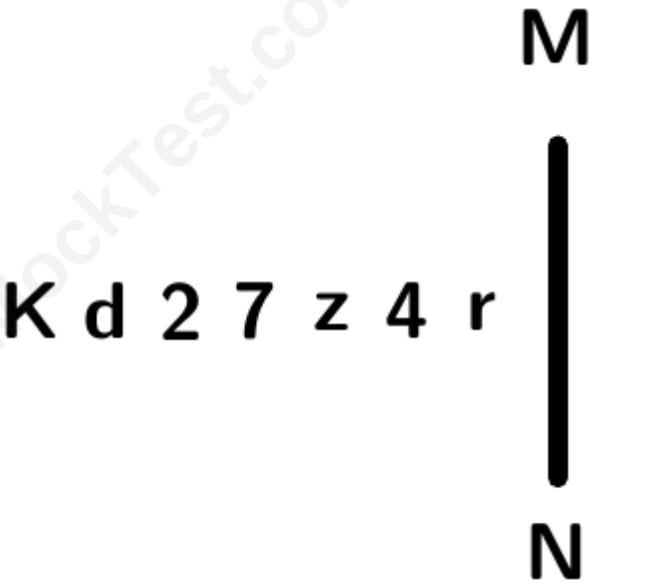
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 - Operations on 13 such as adding / deleting / multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

16 : 41

11 : 26

(a) 7 : 28
(b) 5 : 15
(c) 21 : 84
(d) 12 : 29

Q39. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)

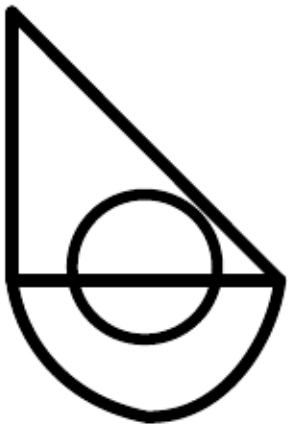


(d)



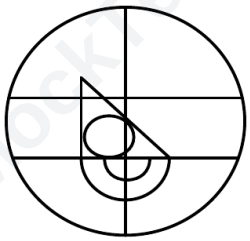
Q40. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

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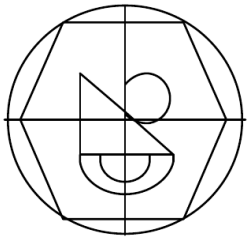


(X)

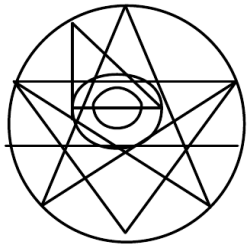
(a)



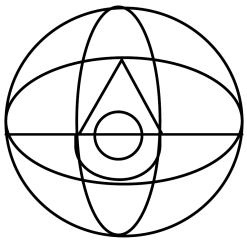
(b)



(c)



(d)



SESSION 2

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Q41. What is the purpose of a savings account?

(a) Obtaining a mortgage loan
(b) Earning interest on deposits
(c) Making day - to - day transactions
(d) Paying bills online

Q42. According to the Census of India 2011, the female literacy rate was recorded as _____.

(a) 75.35%
(b) 65.46%
(c) 55.84%
(d) 70.24%

Q43. Which of the following crops is most suitable for black soil?

(a) Soybean
(b) Maize
(c) Cotton
(d) Barley

Q44. In India, the ‘Aus’, ‘Aman’ and ‘Boro’ terms are associated with which crop from the following?

(a) Wheat
(b) Gram
(c) Sugarcane
(d) Paddy

Q45. The President of India conferred the Padma Shri award to Gurcharan Singh for his distinguished service in the field of _____ in 2023.

(a) Tennis
(b) Cricket
(c) Football
(d) Badminton

Q46. Who moved the resolution proposing that the National Flag of India be a ‘horizontal tricolour of saffron, white and dark green in equal proportion’?

(a) Sardar Vallabhbhai Patel
(b) Jawaharlal Nehru
(c) Mahatma Gandhi
(d) Dr Rajendra Prasad

Q47. In which of the following States was the first Janjatiya Khel Mahotsav held?

(a) Odisha
(b) Chhattisgarh
(c) Jharkhand
(d) Andhra Pradesh

Q48. Identify the Indian singer who sang the song ‘Ae mere watan ke logon jara akhon mein bharlo paani…’ before the first Prime Minister of India, Pandit Jawaharlal Nehru.

(a) Lata Mangeshkar
(b) Mohammad Rafi
(c) Mukesh
(d) Asha Bhosle

Q49. Which regulatory body in India is responsible for overseeing and regulating Micro Finance Institutions?

(a) Securities and Exchange Board of India (SEBI)
(b) Small Industries Development Bank of India (SIDBI)
(c) Reserve Bank of India (RBI)

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(d) National Bank for Agriculture and Rural Development (NABARD)

Q50. Who among the following was the viceroy of India at the time of India's independence from colonial rule on 15 August 1947?

(a) Lord Wavell
(b) Lord Willingdon
(c) Lord Mountbatten
(d) Lord Linlithgow

Q51. Which of the following is the legislative organ of the Union Government?

(a) Cabinet
(b) Supreme Court
(c) Executive
(d) Parliament

Q52. Due to rapid urbanisation, the human lifestyle has changed severely; obesity is a major health issue in such condition. Which of the following is a reason for obesity?

(a) Excessive consumption of water
(b) Excessive intake of high calorie foods
(c) Lack of protein
(d) Lack of vitamins in regular diet

Q53. Who won the Best Playback Singer (Male) award in the 68th Filmfare Awards 2023?

(a) Mohit Chauhan
(b) Shaan
(c) Arijit Singh
(d) Amit Mishra

Q54. Where was Shree Narayana Dharma Paripalana Yogam founded?

(a) Tamil Nādu
(b) Kerala
(c) Karnataka
(d) Telangana

Q55. Who is the renowned kathak dancer, student of 'Pandit Birju Maharaj' and also served as an officer with Indian Audit and Accounts Services?

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

Q56. Shama Bhate received the Sangeet Natak Akademi Award - 2021 (given in February 2023) for her contribution to which dance form of the following?

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

Q57. Which of the following Indus Valley sites is now located in Pakistan?

(a) Harappa
(b) Lothal
(c) Alamgirpur
(d) Kalibangan

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Q58. In April 2023,Satwiksairaj Rankireddy and Chirag Shetty made history, becoming the first Indian men's doubles pair to win a gold medal at the Badminton Asia Championships. Where was this championship held?

(a) Singapore
(b) Dubai
(c) Qatar
(d) Malaysia

Q59. Which of the following states has introduced a dedicated Semiconductor Policy 2022 - 27 with a view to generate at least 2,00,000 new employment opportunities in the state?

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

Q60. The classical dance style of Bharatanatyam belongs to the state of _____.

(a) Karnataka
(b) Tamil Nadu
(c) Assam
(d) Rajasthan

Q61. Which of the following peninsular rivers of India is a west flowing river?

(a) Kaveri
(b) Narmada
(c) Godavari
(d) Krishna

Q62. Which Articles of the Constitution of India deal with the Union and its territory?

(a) Articles 5 - 11
(b) Articles 1 - 4
(c) Articles 12 - 35
(d) Article 36 - 51

Q63. 'The Great Indian Novel' is a satirical novel by _____.

(a) Suryakant Tripathi
(b) KR Narayan
(c) Munshi Prem Chand
(d) Shashi Tharoor

Q64. What is the systematic name of a colourless gas with a faint, ethereal odour called acetylene, widely used for welding?

(a) Ethyne
(b) Ethanoic anhydride
(c) Azoethane
(d) Ethyl acetate

Q65. Identify the correct pair of novel and its writer from the following.

(a) Seven Summers - Mulk Raj Anand
(b) The White Tiger - Kiran Desai
(c) A Suitable Boy - Amitav Ghosh
(d) The Inheritance of Loss - Aravind Adiga

Q66. The following sentence has been divided into four parts. Identify the part that contains an error.

(A) Taylor, Richard, and / (B) Francis plays for / (C) the state / (D) basketball team.

(a) D
(b) A

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(c) C
(d) B

Q67. Select the most appropriate meaning of the given idiom.

Pay an arm and a leg for something

(a) Be devoted to unwanted things
(b) Pay a lot of money for something
(c) Give a lot of love and care to someone
(d) Pay a lot of attention to an incident

Q68. The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

As they driven through the dark, twisting lane / down which they had walked earlier, Lucius heard / the whistling of the night air in his ears.

(a) down which they had walked earlier, Lucius heard
(b) No error
(c) the whistling of the night air in his ears.
(d) As they driven through the dark, twisting lane

Q69. Select the most appropriate synonym of the given word.

Trivial

(a) Minor
(b) Fatal
(c) Decisive
(d) Formal

Q70. Select the most appropriate word to fill in the blank.

Ministry of education has announced that students can _____ the Board Examinations twice.

(a) take
(b) participate
(c) give
(d) get

Q71. Select the most appropriate meaning of the underlined idiom in the given sentence.

A man of character, he stuck to his guns even in the most difficult situations.

(a) To do things that would please people
(b) To behave disrespectfully
(c) To find a treasure
(d) To stand firm against all difficulties and challenges

Q72. Select the most appropriate meaning of the underlined segment in the given sentence.

After her husband passed away, Jane had to learn to bite the bullet and take care of the household on her own.

(a) Create a difficult situation
(b) Accept a difficult situation bravely
(c) Criticise someone harshly
(d) Run away from a difficult situation

Q73. Select the option that can be used as a one - word substitute for the given phrase.

One who lends money to others at a very high rate of interest.

(a) Curator
(b) Bankrupt
(c) Usurer
(d) Numismatist

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Q74. Parts of the following sentence have been given as options. Select the option that contains an error.

The platinum is a precious metal.

(a) is
(b) The platinum
(c) a
(d) precious metal

Q75. Select the most appropriate option to fill in the blank.

All praised him when he soared in the business world, but the same people _____ him when he failed in business.

(a) nourished
(b) criticised
(c) supported
(d) dramatised

Q76. Parts of the following sentence have been underlined and given as options. Select the option that contains an error.

What most off us want most is to move forward.

(a) most off
(b) is to
(c) want most
(d) move forward

Q77. Select the word which means the same as the group of words given.

That which can't be read.

(a) Inaccessible
(b) Incurable
(c) Illegible
(d) Irrelevant

Q78. Select the INCORRECTLY spelt word.

(a) Acknowlege
(b) Territory
(c) Excellence
(d) Business

Q79. Select the most appropriate ANTONYM of the given word.

Authentic

(a) Moderate
(b) Actual
(c) False
(d) Wise

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

Please tell me about the meeting _____.

(a) in a nutshell
(b) in a stew
(c) in a huff
(d) in a spin

Q81. Select the most appropriate option to fill in the blank.

Augmented Reality (AR) continues to develop and become more _____ among a wide range of applications.

(a) rare
(b) amicable
(c) idealistic
(d) pervasive

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Q82. Select the INCORRECTLY spelt word.

(a) Grammar
(b) Pleasant
(c) Familiar
(d) Aweful

Q83. Select the INCORRECTLY spelt word in the given sentence.

The handloom shop at the Ring Road has many kinds of bags, such as paper, leather, cloth and cannvas.

(a) Paper
(b) Cannvas
(c) Leather
(d) Cloth

Q84. Select the most appropriate option to fill in the blank.

A/An _____ fellow cannot become an ideal teacher.

(a) idle
(b) bright
(c) intelligent
(d) honest

Q85. Select the most appropriate option that can substitute the underlined segment in the given sentence.

I considered Geography as an easier subject.

(a) the easy
(b) the easier
(c) an easiest
(d) an easy

Directions

In the following passage some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

The most common hazard in forests is forest fire. Forest fires are as old as the forests themselves. They pose a 1. _____ not only to the forest wealth but also to the entire regime to fauna and flora seriously disturbing the biodiversity and the ecology and environment of a region. During summer, when there is no rain for months, the forests 2. ____ littered with dry senescent leaves and twinges, which could burst into flames ignited by the slightest spark. The Himalayan forests, particularly, Garhwal Himalayas have been burning 3. ____ during the last few summers, with colossal loss of vegetation cover of that region. The youngest mountain ranges of the Himalayas are the most 4. ____ stretches of the world susceptible to forest fires. The forests of the Western are more 5. _____ vulnerable to forest fires as compared to those in the Eastern Himalayas. This is because forests of the Eastern Himalayas grow in high rain density.

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

(a) mercy
(b) trend
(c) failure
(d) threat

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

(a) keep
(b) build
(c) become
(d) drive

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

(a) rarely
(b) regularly
(c) badly

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(d) enough

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

(a) outrageous
(b) vulnerable
(c) greasy
(d) mysterious

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

(a) closely
(b) frequently
(c) deeply
(d) barely

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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