

## SSC MTS June 13, 2023 (Shift 1) Memory Based Question Paper

## 90 Questions

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**Que. 1** If the area of trapezium whose parallel sides are 6 cm, 10 cm is  $32 \text{ cm}^2$ , then the distance between the parallel side is:

1. 2 cm
2. 4 cm
3. 5 cm
4. 8 cm

Correct Option - 2

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**Que. 2** Rs. 750 are divided among A, B and C in such a manner that  $A : B = 5 : 2$  and  $B : C = 7 : 13$ , What is B's share?

1. Rs. 250
2. Rs. 200
3. Rs. 260
4. Rs. 140

Correct Option - 4

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**Que. 3** Selling price of an article is Rs. 1452 and discount of 12 percent is offered. What is the marked price of the article?

1. Rs. 1780
2. Rs. 1600
3. Rs. 1700
4. Rs. 1650

Correct Option - 4

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**Que. 4** Find the unit digit of  $(675 \times 375 \times 32 \times 817 \times 326)$

1. 0
2. 5
3. 1
4. 3

Correct Option - 1

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**Que. 5** In an examination, 92% of the students passed and 480 students failed. If so, how many students appeared in the examination?

1. 6000

2. 5000
3. 5800
4. 6200

Correct Option - 1

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**Que. 6** 25 litres mixture contains milk and water in ratio of 3 : 2. If the quantity of milk in the mixture is 15 litres. What is the quantity of water?

1. 12 litres
2. 13 litres
3. 14 litres
4. 10 litres

Correct Option - 4

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**Que. 7** A boat can cover 18 km downstream in 2 hours. If the speed of stream is 2 km/hr, then what is the speed of the boat in upstream?

1. 8 km/hr
2. 5 km/hr
3. 6 km/hr
4. 7 km/hr

Correct Option - 2

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**Que. 8** Nirmala gets Successive discounts of 15% and 20% on Rs 1000. On the other hand Amit gets a single discount of 30 % on Rs 800. What is the difference of their discounts?

1. 80
2. 100
3. 180
4. 60

Correct Option - 1

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**Que. 9** If A's salary is 60% more than B's salary, then by what percentage is B's salary less than that of A?

1. 37.5%
2. 45%
3. 33.3%
4. 47.7%

Correct Option - 1

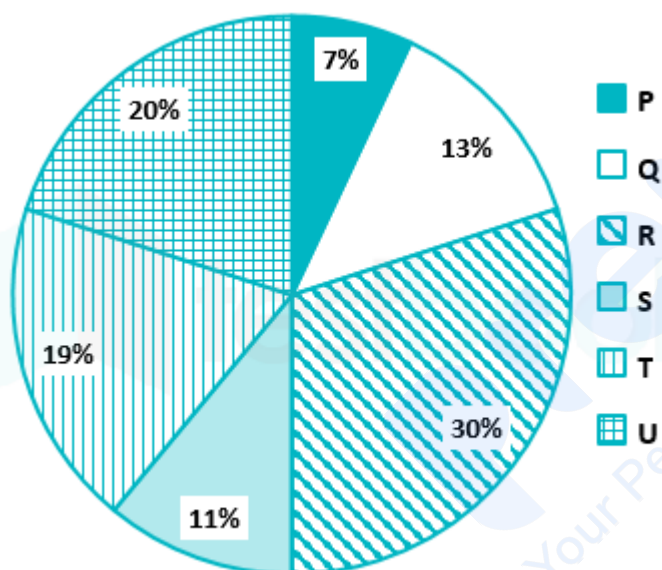
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**Que. 10** The difference between compound interest and simple interest on ₹ 4800 for 2 years is Rs. 17.28. What is the rate of interest per annum?

1. 8%
2. 6%
3. 10%
4. 5%

Correct Option - 2

**Que. 11** The pie chart given below shows the marks obtained by student Q in 6 different subjects. The total marks obtained by the student in these subjects is 700. Marks obtained in a particular subject is shown as a percent of total marks obtained in all these 6 subjects.



What is total marks obtained in Q, S and U?

1. 312
2. 306
3. 294
4. 308

Correct Option - 4

**Que. 12** If a number 982Y5 is exactly divisible by 9, then what can be the value of Y?

1. 5
2. 2
3. 3
4. 4

Correct Option - 3

**Que. 13** What will be the interest on ₹6250 for 3 years if interest accrues at 12% simple interest per annum?

1. ₹2450

2. ₹2250
3. ₹2150
4. ₹2050

Correct Option - 2

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**Que. 14** The single discount equivalent to two successive discounts of 20% and 15% is:

1. 28%
2. 22%
3. 30%
4. 32%

Correct Option - 4

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**Que. 15** The present age ratio of a man and his wife is 4 : 3 respectively. After 4 years this ratio will be 9 : 7. Find the sum of the present age of the man and his wife.

1. 58 Year
2. 52 Year
3. 62 Year
4. 56 Year

Correct Option - 4

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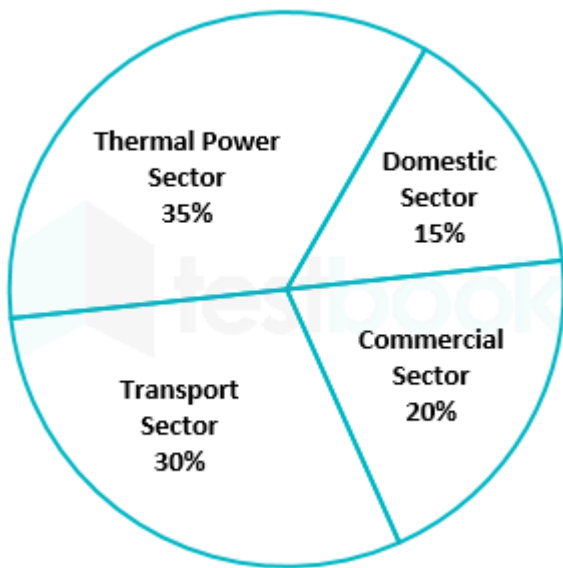
**Que. 16** Mohan buys a chair at Rs.1,200. If he sells it at Rs.1,440, then what is the profit percentage?

1. 18%
2. 12%
3. 20%
4. 15%

Correct Option - 3

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**Que. 17** The total CO<sub>2</sub> emissions from various sectors are 5 mmt. In the Pie-chart given below, the percentage contribution of CO<sub>2</sub> emissions from various sectors is indicated:



What is the absolute CO<sub>2</sub> emission from domestic sector?

1. 1.75 mmt
2. 1.5 mmt
3. 0.75 mmt
4. 2.5 mmt

Correct Option - 3

**Que. 18**  $12 \times 3 - 4 \times 8 - ? = 0$

1. 12
2. 21
3. 4
4. 32

Correct Option - 3

**Que. 19** Tap P can fill a cistern in 6 hours and tap Q can empty the full cistern in 10 hours. If both taps P and Q are kept open simultaneously, then in how many hours will the empty cistern be completely full ?

1. 15
2. 18
3. 12
4. None of the above

Correct Option - 1

**Que. 20** A can do a piece of work in 20 days and B can do it in 25 days. Both of them finished the work and earned Rs. 3,600. Then A's share is

1. Rs. 1,600
2. Rs. 2,000

3. Rs. 3,000
4. Rs. 3,100

Correct Option - 2

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**Que. 21** In the following question, select the related word pair from the given alternatives.

Water : Thirst :: ? : ?

1. Pain : Accident
2. Cold : Shiver
3. Heat : Fire
4. Food : Hunger

Correct Option - 4

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**Que. 22** Which two numbers should be interchanged to make the given equation correct?

$$196 \div 7 + 8 - 36 \times 25 = -235$$

1. 7 and 36
2. 7 and 8
3. 36 and 196
4. 25 and 8

Correct Option - 4

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**Que. 23** A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

EFG, ?, KVK, NQM, QLO.

1. HAI
2. IHA
3. AIH
4. HJK

Correct Option - 1

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**Que. 24** Mukesh's sister is the wife of Ramesh. Ramesh is Rani's only brother. Ramesh's father is Madhur. Sheetal is Ramesh's paternal grandmother. Rema is Sheetal's daughter-in-law. Ronit is Rani's brother's son. How is Ronit related to Mukesh?

1. Son
2. Nephew
3. Brother
4. Brother-in-law

Correct Option - 2

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**Que. 25** Six sellers G, H, J, K, C and M are sitting around a circular table facing towards the centre (not necessarily in the same order). M is second to the left of C. H is to the immediate right of G. K is second to the right of J. C is to the immediate left of K.

Which of the following pair of sellers represents the immediate neighbours of J and G respectively?

1. KH, MC
2. CM, KH
3. CM, HM
4. CK, HM

Correct Option - 2

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**Que. 26** Select the option that is related to the fifth word in the same way as the second word is related to the first word and the fourth word is related to the third word.

Truck : Vehicle :: Burger : Food :: Glass : ?

1. Crockery
2. Furniture
3. Electronics
4. Grocery

Correct Option - 1

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**Que. 27** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

All bats are birds.

Some rats are bats.

**Conclusions:**

I. Some rats are birds.

II. Some birds are bats.

III. All rats are bats.

1. Only conclusion I follows.
2. Only conclusions I and II follow.
3. Only conclusions I and III follow.
4. Only conclusion II follows.

Correct Option - 2

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**Que. 28** In a certain code language, 'BOWLER' is coded as 'TFNXQC'. What is the code for 'BOWMAN' in that code language?

1. PBOXQC
2. PBOXCQ
3. PBXOOB
4. PBOXCC

Correct Option - 1

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**Que. 29** In a code language, 'CREATIVE' is written as '8-133' and 'COAST' is written as '5-77'. How will 'BECLOWN' be written in that language?

1. 7-243
2. 7-49
3. 7-74
4. 7-115

Correct Option - 4

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**Que. 30** 'A + B' means 'A' is the sister of 'B'.

'A @ B' means 'A' is the wife of 'B'.

'A \$ B' means 'A' is the son of 'B'.

'A % B' means 'A' is the mother of 'B'.

What is the relation between 'S and P' in the given expression "P @ Q \$ R % S + O"?

1. Sister
2. Brother
3. Sister-in-law
4. Brother-in-law

Correct Option - 3

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**Que. 31** Look at the letter pattern and fill the blank in the series

QPO, NML, KJI, \_\_\_\_\_, EDC

1. HGF
2. CAB
3. JKL
4. GHI

Correct Option - 1

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**Que. 32** There are seven family members E, F, G, H, I, J and K. Each are of different ages. F is elder than only four other members. E is elder than K. G is elder than H. H is elder than two other members only. J is the youngest among all. F is elder than G but younger than K. Who is the eldest among all?

1. G



2. F
3. E
4. K

Correct Option - 3

**Que. 33** 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)

(10, 22, 42)

(15, 14, 44)

1. (9, 22, 38)
2. (12, 12, 24)
3. (13, 12, 38)
4. (6, 3, 17)

Correct Option - 3

**Que. 34** If A means  $-$ , B means  $+$ , C means  $\times$ , and D means  $\div$ , then what will be the value of the given expression?

144 A 12 B 24 D 4 C 35 B 18 = ?

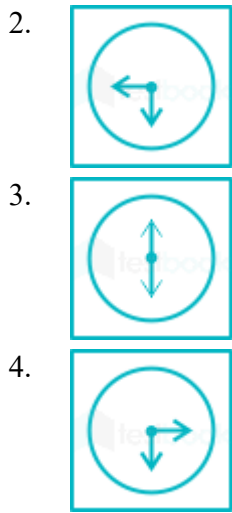
1. 384
2. 370
3. 360
4. 372

Correct Option - 3

**Que. 35** Select the correct mirror image of the given figure when the mirror is placed to its right side.



1. 



Correct Option - 1

**Que. 36** Select the odd group of numbers. (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)

1. (16 – 20 – 24)
2. (23 – 27 – 31)
3. (11 – 15 – 19)
4. (12 – 14 – 18)

Correct Option - 4

**Que. 37** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

Some goodies are baddies.

Some baddies are wolves.

All goodies are tigers.

**Conclusions:**

(I) Some tigers are baddies.





(II) Some wolves are baddies.

1. Both Conclusion (I) and Conclusion (II) definitely follow.
2. Only Conclusion (I) definitely follows.
3. Only Conclusion (II) definitely follows.
4. Both Conclusion (I) and Conclusion (II) definitely donot follow.

Correct Option - 1

**Que. 38** Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



1. 
2. 
3. 
4. 

Correct Option - 3

**Que. 39** Eight persons A, B, C, D, E, F, and H are sitting on a round table. All are facing the centre. A is sitting opposite to B who is at the immediate right of C. D is sitting adjacent to C and opposite to E who is sitting at the immediate left of F. G is sitting opposite to H but not at the immediate right of A. Who is sitting at the immediate right of H?

1. A
2. D
3. B
4. E

Correct Option - 2

**Que. 40** What will come in place of the blank in the series ?  
5, 9, 17, 33, \_\_\_\_, 129, 257

1. 76
2. 65
3. 67
4. 84

Correct Option - 2

Which of the following states has the lowest density of population in India as per Census 2011?

**Que. 41**

1. Sikkim
2. Arunachal Pradesh
3. Mizoram
4. Nagaland

Correct Option - 2

**Que. 42** In which month the Pongal festival is celebrated?

1. March
2. August
3. May
4. January

Correct Option - 4

**Que. 43** The concept of single citizenship has been adopted from which country?

1. USA
2. France
3. Italy
4. UK

Correct Option - 4

**Que. 44** There are how many major languages in India included in Eighth Schedule?

1. 12
2. 23
3. 22
4. 11

Correct Option - 3

**Que. 45** What is the number of players in a cricket team on the ground?

1. 14
2. 10
3. 11
4. 12

Correct Option - 3

**Que. 46** Who is the Chairman of Rajya Sabha?

1. Speaker

2. Vice President of India
3. Prime Minister of India
4. None of these

Correct Option - 2

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**Que. 47** The bow and arrow was the symbol of which dynasty?

1. Chera
2. Pandya
3. Cholas
4. None of the above

Correct Option - 1

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**Que. 48** Uber cup and Thomas cup are associated with:

1. Chess
2. Cricket
3. Badminton
4. Table Tennis

Correct Option - 3

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**Que. 49** The Ancient Nalanda University was founded by \_\_\_\_\_.

1. Kumaragupta I
2. Skandagupta
3. Kumaragupta II
4. Narasimhagupta

Correct Option - 1

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**Que. 50** The first battle of Panipat was between \_\_\_\_\_.

1. Babar & Ibrahim Lodhi
2. Maharana Pratap & Babar
3. Akbar and Hemu
4. Sher Shah Suri & Akbar

Correct Option - 1

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**Que. 51** Which Article of the Constitution of India deals with the composition of the Election Commission?

1. Article 328
2. Article 326
3. Article 324

4. Article 332

Correct Option - 3

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**Que. 52** 'Akbarnama' and 'Ain-i-Akbari" are written by \_\_\_\_\_.

1. Ziauddin Barani
2. Abul Fazl
3. Abdul Qadir Badayuni
4. Akbar

Correct Option - 2

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**Que. 53** Which of the following is a tributary of Damodar river?

1. Kangsabati
2. Shilabati
3. Rupnarayan
4. Barakar

Correct Option - 4

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**Que. 54** National Commission of Scheduled Castes and Scheduled Tribes have been replaced by National Commission of Scheduled Castes and National Commission of Scheduled Tribes by which of the following amendment?

1. 37<sup>th</sup> Amendment
2. 88<sup>th</sup> Amendment
3. 89<sup>th</sup> Amendment
4. 92<sup>nd</sup> Amendment

Correct Option - 3

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**Que. 55** Who has been appointed as the new chief of the Indian Space Research Organization (ISRO) in January 2022?

1. Pariwallal Rangaswami
2. S Somanath
3. Kidambi Ayyar
4. K Sivan

Correct Option - 2

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**Que. 56** Richter scale is used for measuring

1. density of liquid
2. magnitude of earthquakes

3. velocity of wind
4. humidity of air

Correct Option - 2

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**Que. 57** Khelo India Youth Games-2022 culminated in which city?

1. Patna
2. Kolkata
3. Lucknow
4. Bhopal

Correct Option - 4

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**Que. 58** Who is the author of the book named "Life of Pi"?

1. William Shakespeare
2. George Bernard Shaw
3. Roman Rolland
4. Yann Martel

Correct Option - 4

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**Que. 59** Panthi folk dance belongs to which of the following states?

1. Arunachal Pradesh
2. Chattisgarh
3. Sikkim
4. Assam

Correct Option - 2

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**Que. 60** Biggest planet of solar system is

1. Earth
2. Mars
3. Saturn
4. Jupiter

Correct Option - 4

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**Que. 61** Which God is worshipped in Chhat Pooja that is a very important festival of Uttar Pradesh, Jharkhand and Bihar?

1. Earth
2. Fire
3. Sun

4. Trees

Correct Option - 3

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**Que. 62** What is the common name of the members of family Phaeophyceae?

1. Green algae
2. Red algae
3. Brown algae
4. Blue green algae

Correct Option - 3

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**Que. 63** The northern plain in India is formed of which soil?

1. Laterite soil
2. Arid soil
3. Alluvial soil
4. Black soil

Correct Option - 3

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**Que. 64** Which Clan Buddha belonged to?

1. Gnarthika
2. Maurya
3. Shakya
4. Kuru

Correct Option - 3

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**Que. 65** To which game Sakshi Malik is associated with:

1. Polo
2. Wrestling
3. Judo
4. Shooting

Correct Option - 2

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**Que. 66** In these questions, out of four alternatives choose the word opposite in meaning of the given word.

CRUDE

1. Classical
2. Graceful
3. Natural



4. Polished

Correct Option - 4

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**Que. 67** In the following question, out of the four alternatives, choose the word which best expresses the meaning of the given word and click the button corresponding to it.

Happy

1. Dainty
2. Dandy
3. Deity
4. Mirthful

Correct Option - 4

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**Que. 68** Select the most appropriate meaning of the given idiom.

To add insult to injury

1. to make fun of someone
2. to make something worse
3. to work hard on making up
4. to wound physically

Correct Option - 2

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**Que. 69** Select the INCORRECTLY spelt word

1. Scenic
2. Persuasion
3. Absense
4. Erroneous

Correct Option - 3

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**Que. 70** Select the most appropriate meaning of the given idiom.

Pull someone up

1. Agree with someone
2. Drag someone
3. Criticise someone
4. Help someone

Correct Option - 3

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**Que. 71** Directions: Select the segment of the sentence that contains a grammatical error. If there is no error mark 'No error' as your answer.

Over time, the tents in Cal Anderson/ (A) Park housed more and more people/ (B) who were other homeless./ (C) No error/ (D)

1. Over time, the tents in Cal Anderson
2. Park housed more and more people
3. who were other homeless.
4. No error

Correct Option - 3

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**Que. 72** Given below are four sentences in jumbled order. Select the option that gives their correct order.

- A. He seemed to remain that high for nearly two years.
- B. Kari, the elephant was five months old when he was given to me to take care of.
- C. We grew together, that is probably why I never found out just how tall he was.
- D. I was nine years old and I could reach his back if I stood on tiptoe.

1. BDAC
2. ADCB
3. DBCA
4. BCAD

Correct Option - 1

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**Que. 73** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I'm certain go to start studying from today.

1. certainly going
2. certain going
3. certainly go
4. No substitution required

Correct Option - 1

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**Que. 74** Select the most appropriate one-word substitution for the given group of words.

A person who remains unmoved and unaffected by other people's opinions, suggestions

1. Irresponsible
2. Unreliable
3. Imprudent
4. Impervious

Correct Option - 4

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**Que. 75** Comprehension: 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 blank.

Long ago in China, at a time when girls (1)\_\_\_\_\_ expected to stay at home and (2)\_\_\_\_\_ household work while the boys (3)\_\_\_\_\_ to school, a girl named Zhu had a desire (4)\_\_\_\_\_ study. Her family was wealthy and Zhu was (5)\_\_\_\_\_ so she too could have had her wish, but her father did not want to go against tradition.

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

1. will
2. are
3. were
4. be

Correct Option - 3

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**Que. 76** Select the most appropriate option to fill in blank number 2.

1. teach
2. do
3. make
4. produce

Correct Option - 2

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**Que. 77** Select the most appropriate option to fill in blank number 3.

1. went
2. goes
3. go
4. going

Correct Option - 1

---

**Que. 78** Select the most appropriate option to fill in blank number 4.

1. at
2. for
3. to
4. in

Correct Option - 3

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**Que. 79** Select the most appropriate option to fill in blank number 5.

1. treated
2. prepared
3. trained
4. pampered

Correct Option - 4

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**Que. 80** Direction: Select the option that is opposite in meaning to the given bold word and mark your response accordingly.

The roof is made from sheets of **corrugated** iron.

1. Folded
2. Grooved
3. Creased
4. Flat

Correct Option - 4

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**Que. 81** Select the option that can be used as a one-word substitute for the underlined group of words.

At the party, Rohan was pretending to be what he is not to influence the investors for his company's shares.

1. Canter
2. Autocrat
3. Hypocrite
4. Goody

Correct Option - 3

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**Que. 82** Direction: Select the one which is synonymous with the bold/underlined word:

The company has proved to be a most **benevolent** employer.

1. malevolent
2. dim
3. miserly
4. generous

Correct Option - 4

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**Que. 83** Directions: Select the segment of the sentence that contains a grammatical error. If there is no error mark 'No error' as your answer.

His experience in dealing with complex family/ (A) cases meant that no sooner had he retired in 1997/ (B) when he was back working as a deputy circuit judge./ (C) No error/ (D)

1. His experience in dealing with complex family
2. cases meant that no sooner had he retired in 1997
3. when he was back working as a deputy circuit judge.
4. No error

Correct Option - 3

---

**Que. 84** Direction: Select the one which is synonymous with the bold/underlined word:

He **contradicted** the charges of his critics.

1. approved
2. bluffed
3. denied
4. supported

Correct Option - 3

**Que. 85** Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

There were a dozen eggs in the basket, but now there will be only six.

1. there been
2. there are
3. there is
4. No substitution required

Correct Option - 2

**Que. 86** Select the most appropriate option to fill in the blank.

She looked like a \_\_\_\_\_ figure standing at the bus stop.

1. erratic
2. collateral
3. igneous
4. forlorn

Correct Option - 4

**Que. 87** Select the most appropriate option to fill in the blank.

Standing in front of the mirror she \_\_\_\_\_ a strand of hair into place.

1. allayed
2. coalesced
3. tweaked
4. unmitigated

Correct Option - 3

**Que. 88** Directions: Select the incorrectly spelt word.

1. irepairable
2. illegible
3. irresistible

4. illegitimate

Correct Option - 1

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**Que. 89** Select the most appropriate one-word substitution for the given group of words.

A boat or ship for conveying passengers and goods, especially over a relatively short distance and as a regular service

1. Dinghy
2. Freighter
3. Submarine
4. Ferry

Correct Option - 4

---

**Que. 90** Direction: Select the option that is opposite in meaning to the given bold/underlined word and mark your response accordingly.

However, the evidence behind his **conjectures** proves to be quite thin upon careful examination.

1. Assume
2. Validate
3. Guess
4. Suppose

Correct Option - 2