



**AFCAT**

**Memory Based Paper**  
16 Feb, 2024 Shift 1

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## 100 Questions

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**Que. 1** Which country does the C295 Airbus Company belong to?

1. France
2. Germany
3. Spain
4. United Kingdom

Correct Option - 3

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**Que. 2** What is the name of the point where the Chandrayaan lander landed on the Moon?

1. Shiv Shakti Point
2. Ganga Point
3. Sadbhavana Point
4. Vikram Site

Correct Option - 1

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**Que. 3** What is the unit of measurement of the distance between celestial bodies?

1. Metres
2. Miles
3. Kilometres
4. Light years

Correct Option - 4

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**Que. 4** What are the lines drawn on a map to connect points experiencing equal shaking intensity due to an earthquake called?

1. Seismic Markings
2. Richter Lines
3. Isoseismic Lines
4. Tremor Connections

Correct Option - 3

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**Que. 5** Anti-defection law is given in which schedule of Indian Constitution?

1. Seventh Schedule

2. Eighth Schedule
3. Ninth Schedule
4. Tenth Schedule

Correct Option - 4

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**Que. 6** Consider the following statements regarding the **Operation Zindagi**:

1. It was a rescue operation launched to save workers trapped in an under-construction tunnel at Silkyara.
2. Silkyara tunnel is located in Uttarakhand.

Which of the given statements is/are correct?

1. 1 Only
2. 2 Only
3. Both 1 and 2
4. Neither 1 nor 2

Correct Option - 3

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**Que. 7** Pandit Nehru wrote the book Discovery of India while in jail at \_\_\_\_\_.

1. Ahmednagar
2. Ahmedabad
3. Allahabad
4. Yerwada

Correct Option - 1

---

**Que. 8** Where does the Alaknanda river join the Bhagirathi river in India?

1. Devprayag
2. Dehradun
3. Prayagraj
4. Champawat

Correct Option - 1

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**Que. 9** “Vajra Prahar” is a joint military exercise between India and which of the following countries?

1. Australia
2. Saudi Arabia
3. USA
4. France

Correct Option - 3

**Que. 10** Who has been appointed as the as Chairman and CEO Railway Board in August 2023?

1. Anil Kumar Lahoti
2. Jaya Varma Sinha
3. Vinod Kumar Yadav
4. VK Tripathi

Correct Option - 2

**Que. 11** Who among the following is not a member of SAARC ?

1. Bhutan
2. Maldives
3. Indonesia
4. Afghanistan

Correct Option - 3

**Que. 12** With which sport is the Japan Challenge Tour related?

1. Tennis
2. Golf
3. Soccer
4. Swimming

Correct Option - 2

**Que. 13** The Harappan site Ropar was situated on the banks of which river?

1. Chenab
2. Sutlej
3. Indus
4. Ravi

Correct Option - 2

**Que. 14** When a ball drops on the floor it bounces. This is according to

1. Newton's first law of motion
2. Newton's second law of motion
3. Newton's third law of motion
4. The ball is elastic

Correct Option - 3

In which of the following city of Gujarat the New Greenfield Airport will be developed?

**Que. 15**

1. Surat
2. Dholera
3. Ahmedabad
4. Jamnagar

Correct Option - 2

---

**Que. 16** Who established Tasvir Khana?

1. Akbar
2. Humayun
3. Jahangir
4. Shahjahan

Correct Option - 1

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**Que. 17** Which of the following Kalvari class submarines was commissioned on 23 January 2023 in Indian Navy?

1. INS Vagir
2. INS Vela
3. INS Vagsheer
4. INS Khanderi

Correct Option - 1

---

**Que. 18** Which of the following was the first Aircraft inducted by the Indian Air Force in 1932?

1. Havilland Tiger Moth
2. Westland Wapiti
3. Supermarine spitfire
4. Fairchild Packet

Correct Option - 2

---

**Que. 19** Which of the following is indigenously developed anti-tank guided missiles?

1. Amogha
2. Viraat
3. Jasmine
4. Dhruvastra

Correct Option - 4

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**Que. 20** Who among the following discovered X-Ray?

1. Wilhelm Roentgen
2. Michael Faraday
3. John Napier
4. James Chadwick

Correct Option - 1

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**Que. 21** India is hosting the G20 2023 summit. What is theme of the G20 2023?

1. It's Time for Wetlands Restoration
2. One Earth One Family One Future
3. Today's Era Is Not an Era of War
4. Uniting the World against Terrorism

Correct Option - 2

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**Que. 22** Where is the Indian Space Research Organisation's headquarter situated in India?

1. New Delhi
2. Mumbai
3. Bengaluru
4. Kolkata

Correct Option - 3

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**Que. 23** The Brahma Samaj was founded by:

1. Keshab Chandra Sen
2. Raja Rammohan Roy
3. Devendranath Tagore
4. Dayananda Saraswathi

Correct Option - 2

---

**Que. 24** Fine leg, Gully, and Midwicket are terms associated with which Sport?

1. Cricket
2. Football
3. Hockey
4. Volleyball

Correct Option - 1

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**Que. 25** The world's longest railway station platform is located in which of the following country?

1. India
2. USA

3. Japan
4. China

Correct Option - 1

---

**Que. 26** Which fraction bears the same ratio to  $\frac{1}{27}$  as  $\frac{3}{11}$  does to  $\frac{5}{9}$ ?

1.  $\frac{1}{55}$
2.  $\frac{1}{15}$
3.  $\frac{1}{27}$
4.  $\frac{1}{99}$

Correct Option - 1

---

**Que. 27** Mohit and Rohit each throws a dice once. What is the probability that the sum of the numbers appearing on the tops of the two dice is 3 or 5?

1.  $\frac{5}{36}$
2.  $\frac{1}{6}$
3.  $\frac{1}{9}$
4.  $\frac{1}{18}$

Correct Option - 2

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**Que. 28** There is a clock, that is 3 minutes late on Sunday at 2 p.m. and it is 5 minutes fast on Tuesday on 2 p.m., when did the clock show the right time?

1. Tuesday 2 a.m.
2. Tuesday 6 a.m.
3. Monday 8 a.m.
4. Monday 10 a.m.

Correct Option - 3

---

**Que. 29** In what ratio should sugar costing ₹45 per kg be mixed with sugar costing ₹52 per kg so that by selling the mixture at ₹55.20 per kg, there is a profit of 15%?

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

Correct Option - 1

---

**Que. 30** An article's marked price is 50% more than its selling price and 100% more than the cost price. If the selling price is increased by 20%, the difference between the profits earned in both transactions is Rs. 2000. What is the cost price of the article?

1. Rs. 7500
2. Rs. 6500
3. Rs. 7000
4. Rs. 9000

Correct Option - 1

**Que. 31** A and B enter into a partnership with capital in the ratio  $\frac{4}{3} : \frac{5}{6}$ . After 6 months, A reduces his capital by 25% and B increases his capital by 50%. What is the share of B (in lakhs) in the profit of Rs. 63.6 lakhs, at the end of a year?

1. 32.5
2. 30
3. 32
4. 33.6

Correct Option - 2

**Que. 32** Find the single discount equivalent to a successive discount of 20%, 15% and 10%.

1. 52.6%
2. 45%
3. 42.2%
4. 38.8%

Correct Option - 4

**Que. 33**  $\frac{\sqrt[3]{1331}}{\sqrt[4]{4096}} \times \frac{4}{33} \times 48 = ?$

1. 6
2. 8
3. 9
4. 5

Correct Option - 2

**Que. 34** When 5 residents of a colony having average weight 51 kg left the place and a new family of 5 persons replaced them, the average weight of the 100 residents decreased by 225 g. If average weight of 2 new residents is 63 kg, then what is the average weight of the remaining 3 new residents (in kg)?

1. 36
2. 35.5
3. 35



4. 34.85

Correct Option - 2

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**Que. 35** The current Population of a town is 60500. If it has been growing at the rate of 10% compounded every year for the past few years, what was the population of the town two years ago?

1. 74691
2. 73205
3. 60000
4. 50000

Correct Option - 4

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**Que. 36** A train leaves Meerut at 5 a.m. and reaches Delhi at 9 a.m. Another train leaves Delhi at 7 a.m. and reaches Meerut at 10:30 a.m. At what time do the two trains cross each other?

1. 6 : 36 A.M
2. 6 : 56 A.M
3. 7 : 36 A.M
4. 7 : 56 A.M

Correct Option - 4

---

**Que. 37** What is the area of a sphere (approx) if it requires fencing at a cost of ₹152 per hectare for a total cost of ₹900,000?

1. 5920 hectares
2. 6000 hectares
3. 5950 hectares
4. 6020 hectares

Correct Option - 1

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**Que. 38** If 80% of A = 50% of B and B = x% of A, then the value of x is

1. 400
2. 300
3. 160
4. 150

Correct Option - 3

---

**Que. 39** That is the average of the first 17 multiples of 13:

1. 110.5
2. 117

3. 221
4. 111

Correct Option - 2

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**Que. 40** Two trains are running in opposite directions. They cross a man standing on a platform in 28 seconds and 10 seconds, respectively. They cross each other in 24 seconds. What is the ratio of their speeds?

1. 7 : 2
2. 9 : 2
3. 1 : 9
4. 4 : 5

Correct Option - 1

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**Que. 41** In a 56 litre mixture, the ratio of milk and water is 9 : 5 . How much water should be added to the mixture so that the percentage of milk becomes 36%?

1. 44 litres
2. 34 litres
3. 48 litres
4. 50 litres

Correct Option - 1

---

**Que. 42** A piece of string, 40 cm long, is formed into a circle with the ends of the string touching each other. What is the radius of the circle in cm?

1. 5.33
2. 8.22
3. 6.37
4. 5.45

Correct Option - 3

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**Que. 43** In an office, there are 20 male and 15 female employees. The average salary of the male employees is ₹36500. If the average salary of all the employees is ₹35300, then what is the average salary of female employees?

1. ₹34100
2. ₹33800
3. ₹33700
4. ₹33500

Correct Option - 3

---

**Que. 44**

The salary of A, B, C are in the ratio of 5 : 3 : 2. If the increment 20%, 25% and 30% respectively are allowed in their salaries, then what will be the new ratio of the salaries?

1. 122 : 11 : 39
2. 122 : 10 : 8
3. 120 : 75 : 52
4. 120 : 71 : 59

Correct Option - 3

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**Que. 45** "Ramesh often likes to blow his own trumpet." It implies that :

1. Ramesh likes to praise his own abilities and achievements.
2. Ramesh blows his trumpet on winning.
3. Ramesh blows his nose.
4. Ramesh is ecstatic when the wind blows.

Correct Option - 1

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**Que. 46** Select the word which is nearest in meaning to the word "Waspish" .

1. Patient
2. Contented
3. Subservient
4. Fretful

Correct Option - 4

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**Que. 47** Choose the word which is nearest in meaning to the given word:-

Anathema

1. Religious Chant
2. Pun
3. Musical Subject
4. Curse

Correct Option - 4

---

**Que. 48** Direction: Choose the correct word similar in meaning to the highlighted word in the given sentence:

The woman looked wan and fragile.

1. agile
2. blooming
3. flushed
4. pallid

Correct Option - 4

---

**Que. 49** Select the most appropriate idiom that can substitute the underlined segment in the given sentence.

“I don't feel like hanging out today. I'm feeling a bit unwell.”

1. under the coat
2. under the weather
3. over the moon
4. near the horizon

Correct Option - 2

---

**Que. 50** Find the part of the given sentence that has an error in it. If there is no error, chose 'No error'.

Neither I nor my friends are going too walk down that street.

1. down that street.
2. friends are going too walk
3. No error
4. Neither I nor my

Correct Option - 2

---

**Que. 51** That which cannot be corrected.

1. Unintelligible
2. Indelible
3. Illegible
4. Incurable

Correct Option - 4

---

**Que. 52** Which word has a similar meaning as  
OMNIPRESENT

1. ubiquitous
2. good
3. vanish
4. knowing

Correct Option - 1

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**Que. 53** Identify the segment in the sentence which contains a grammatical error. If there is no error, then select the option "No error".

We talked about writing a will, but it/ was one of those thing you never/ get around to doing.

1. was one of those thing you never

2. No error
3. get around to doing.
4. We talked about writing a will, but it

Correct Option - 1

---

**Que. 54** Choose the word that can substitute the given sentence.  
Study of living organisms

1. Biology
2. Zoology
3. Epistemology
4. Ecology

Correct Option - 1

---

**Que. 55** In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the Idiom/ Phrase.

The biblical character Samson's Achilles heel was his hair.

1. A weakness of an otherwise very strong person
2. Had suffered from a heel injury
3. Has a similarity with the mythological character Achilles
4. Source of strength

Correct Option - 1

---

**Que. 56** Direction: Choose the word that is opposite in meaning to the given word.  
Suspicion

1. Niggle
2. Tremor
3. Conviction
4. Incertitude

Correct Option - 3

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**Que. 57** Direction: Choose the word that is opposite in meaning to the given word.  
Curious

1. Passionate
2. Uninterested
3. Complex
4. Doubtful

Correct Option - 2

---

**Que. 58** Direction: In the following question, out of the given four alternatives, select the one that best expresses the meaning of the idiom or phrase.

A blessing in disguise

1. To have a dispute with someone
2. Hear a good news after a long time
3. A misfortune that unexpectedly turns into good fortune
4. To go from being very poor to being very wealthy

Correct Option - 3

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**Que. 59** Choose the incorrectly spelt word.

1. Positon
2. Source
3. Serious
4. Continue

Correct Option - 1

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**Que. 60** Select the lettered pair that expresses a relationship similar to that expressed in the original pair.

Bat : Cricket

1. Goal : Hockey
2. Cock : Badminton
3. Racket : Badminton
4. Penalty : Football

Correct Option - 3

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**Que. 61** Direction: Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

- A) about all his  
B) noise they make  
C) he constantly complains  
D) neighbours and the

1. B, A, D, C
2. C, A, D, B
3. B, D, A, C
4. D, B, C, A

Correct Option - 2

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**Que. 62** Select the pair that best expresses the relationship similar to that expressed in the pair given below:

**Farmer : Plow**

1. Painter : Wheel
2. Writer : Pen
3. Solider : Brush
4. Potter : gun

Correct Option - 2

---

**Que. 63** Directions: In this section each of the following sentences has a blank space and each sentence is followed by four options. Select the most appropriate option to fill the blank space.

Indians \_\_\_\_\_ plants like Peepal and Tulsi sacred and worship them.

1. think
2. consider
3. judge
4. reflect

Correct Option - 2

---

**Que. 64** Direction: Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

- A. That the only true individual
- B. Is the holy man
- C. It has frequently been claimed
- D. Which the traditional society of India tolerates

1. D, C, A, B
2. C, A, D, B
3. A, B, D, C
4. C, D, A, B

Correct Option - 2

---

**Que. 65** Choose the appropriate option that fills in the given sentence correctly:

My sister has decided to \_\_\_\_\_ with me.

1. move to
2. move in
3. move from
4. move at

Correct Option - 2

---

**Que. 66** Choose the appropriate option that fills in the given sentence correctly:

\_\_\_\_\_ you are my favourite brother, I'll tell mother about it.

1. Unless
2. Even though
3. Whenever
4. However

Correct Option - 2

---

**Que. 67** Direction: Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence.

- A. The fact that all members of the family were exposed
- B. The waste of human resources and
- C. To each other's capricious minds had a debasing effect
- D. On the vitality of society as a whole

1. A, C, D, B
2. B, A, D, C
3. D, A, C, B
4. B, A, C, D

Correct Option - 4

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**Que. 68** Parts of the following sentence have been given as options. Select the option that contains an error.

The suitcase I bought was quite too large to fit in the overhead compartment on the plane, causing a bit of inconvenience during the journey as I had to check it in at the last minute.

1. large to fit in the overhead compartment
2. The suitcase I bought was quite too
3. on the plane, causing a bit of inconvenience during
4. the journey as I had to check it in at the last minute

Correct Option - 2

---

**Que. 69** Direction: Fill in the blanks with appropriate words by choosing the suitable set of answers from the options given below the paragraph.

Every year 21st May is \_\_\_\_\_ (1) \_\_\_\_\_ as Anti-Terrorism Day. The objective behind \_\_\_\_\_ (2) \_\_\_\_\_ of this day is to wean away the youth from terrorism and the cult of violence by \_\_\_\_\_ (3) \_\_\_\_\_ the sufferings of common people and showing as to how it is prejudicial to the national interest.

Select the most appropriate word from the options against \_\_\_\_ 1 \_\_\_\_.

1. observed
2. permitted
3. aggravated
4. allayed



Correct Option - 1

---

**Que. 70** Select the most appropriate word from the options against \_\_\_\_ 2 \_\_\_\_.

1. bright
2. opaque
3. lush
4. observance

Correct Option - 4

---

**Que. 71** Select the most appropriate word from the options against \_\_\_\_ 3 \_\_\_\_.

1. highlighting
2. embracing
3. rejecting
4. renouncing

Correct Option - 1

---

**Que. 72** Read the given passage and answer the questions that follow.

My grandmother, like everybody's grandmother, was an old woman. She had been old and wrinkled for the twenty years that I had known her. People said that she once had been young and pretty and had even had a husband, but that was hard to believe. My grandfather's portrait hung above the mantelpiece in the drawing room. He wore a big turban and loose fitting clothes. His long, white beard covered the best part of his chest and he looked at least a hundred years old. He did not look the sort of person who would have a wife or children. He looked as if he could only have lots and lots of grandchildren. As my grandmother being young and pretty, the thought was almost revolting. She often told us of the games she used to play as a child. That seemed quite absurd and undignified on her part and we treated it like the fables of the Prophets she used to tell us.

Whom does the narrator think the grandfather look like?

1. He looks like a young and handsome man.
2. He look like a man who was sick
3. He looks like a man who was once a famous leader.
4. He looks like a man who would have lots of grandchildren.

Correct Option - 4

---

**Que. 73** What is the narrator's attitude towards their grandmother's stories of her youth?

1. Reverent
2. Disbelief
3. Sympathetic
4. Nostalgic

Correct Option - 2

---

**Que. 74** Select the most appropriate ANTONYM of the given word.

Revolting

1. Attractive
2. Unpleasant
3. Rebel
4. Peace

Correct Option - 1

---

**Que. 75** A and B can do a piece of work in 25 days. B and C can do the same work in 20 days while C and A can do the same work in 10 days. In how many days they together can do the work?

1. 19/200 days
2. 13/200 days
3. 200/21 days
4. 200/19 days

Correct Option - 4

---

**Que. 76** Which number would replace the question mark (?) in the following number series?  
131, 132, 141, 166, 215, ?, 417

1. 294
2. 296
3. 300
4. 286

Correct Option - 2

---

**Que. 77** Which number will replace the question mark (?) to complete the given series?  
5, 7, 11, ?, 35, 67

1. 19
2. 15
3. 13
4. 17

Correct Option - 1

---

**Que. 78** Find the missing letter in the series.  
QCD, PDE, OEF, ?

1. NER
2. NNF

3. NFG
4. NNE

Correct Option - 3

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**Que. 79** Pointing towards Kapil, Shilpa said, "His mother's brother is the father of my son Ashish". How is Kapil related to Shilpa?

1. sister-in-law
2. nephew
3. niece
4. aunt

Correct Option - 2

---

**Que. 80** Lilly drives 16 m to the South, then turns left and drives 6 m, then turns left again and drives 8 m. What is distance of Lilly from her Starting point?

1. 7 m
2. 3 m
3. 5 m
4. 10 m

Correct Option - 4

---

**Que. 81** In the following question, select the related word from the given alternatives.

**Dollar : United States :: Taka : ?**

1. Zimbabwe
2. South Africa
3. Bangladesh
4. Kenya

Correct Option - 3

---

**Que. 82** In the following question, select the related number from the given alternatives.

**83 : 9 :: 146 : ?**

1. 12
2. 14
3. 10
4. 7

Correct Option - 1

---

**Que. 83** Select the option that is related to the third number in the same way as the first number is related to the second number and fifth number is related to sixth number.

14 : 210 :: 13 : ? :: 16 : 272

1. 162
2. 182
3. 204
4. 174

Correct Option - 2

---

**Que. 84** Three of the following four letter-groups are related to each other in a certain way and one is different. Select the odd letter-set.

1. BCH - EFK
2. ALG - DOJ
3. EBM - HEP
4. DHL - GJO

Correct Option - 4

---

**Que. 85** Select the time that would depict the correct mirror image of 1:15 in a clock.

1. 9:45
2. 10:45
3. 11:45
4. 12:45

Correct Option - 2

---

**Que. 86** 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:**

All sparrows are birds.

Some owls are birds.

**Conclusions:**

I. No sparrow is an owl.

II. Some sparrows are owls.

1. Only conclusion II follows.
2. Both conclusions I and II follow.
3. Only conclusion I follows.
4. Either conclusion I or II follows.

Correct Option - 4

---

**Que. 87** Which of the mathematical signs should be interchanged in the below equation to make it mathematically correct?

$$45 - 5 + 96 \div 8 \times 24 = 9$$

1.  $\div$  and -
2. + and  $\times$
3. + and -
4.  $\times$  and -

Correct Option - 2

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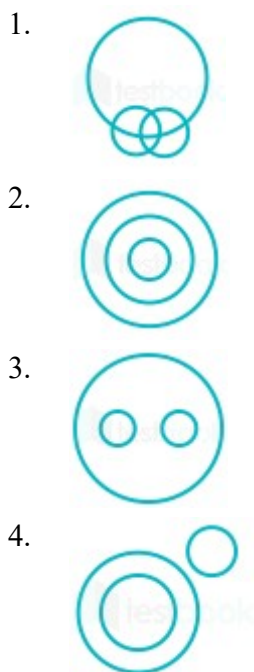
**Que. 88** In a certain code language, 'ABOUT' is written as 'YZQSR' and 'PARTS' is written as 'NYTRQ'. How will 'PLANT' be written in that language?

1. NICRL
2. NJCLR
3. RJCLV
4. NJDLP

Correct Option - 2

---

**Que. 89** Which diagram depicts relationship between Nitrogen, Ice, Air?



Correct Option - 4

---

**Que. 90** Which option figure would correctly fill the incomplete part indicated by a question mark (?) in the figure given below?



- 1.
- 2.
- 3.
- 4.

Correct Option - 2

**Que. 91** Identify the figure that completes the given pattern.



- 1.
- 2.
- 3.
- 4.

Correct Option - 2

**Que. 92**

Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



- 1.
- 2.
- 3.
- 4.

Correct Option - 2

**Que. 93** Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.



- 1.
- 2.
- 3.

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Correct Option - 1

**Que. 94** From amongst the figures (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of the dots as in question figure.

Problem Figure



Answer Figures



(A)



(B)



(C)



(D)

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

Correct Option - 3

**Que. 95** From amongst the figures (A), (B), (C) and (D), select the figure which satisfies the same conditions of placement of the dots as in question figure.

Problem Figures



Answer Figures



(a)



(b)



(c)



(d)

1. A



2. B
3. C
4. D

Correct Option - 4

---

**Que. 96** Three of the following four letter - clusters are alike in a certain way and one is different. Pick the odd one out.

1. JQM
2. DWG
3. BXE
4. AZD

Correct Option - 3

---

**Que. 97** State which one of the following words is different from the other three words.

1. Ruthless
2. Compassionate
3. Affection
4. Kind

Correct Option - 1

---

**Que. 98** Three of the following words are alike in a certain way and one is different. Pick the word that is different from the rest.

1. Sheep
2. Crocodile
3. Cow
4. Goat

Correct Option - 2

---

**Que. 99** Select the option figure which is embedded in the given figure. (Rotation is NOT allowed)



- 1.
- 2.
- 3.
- 4.

Correct Option - 1

**Que. 100** How many triangles are there in the given figure?



1. 10
2. 12
3. 11
4. 9

Correct Option - 1

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