# 03

# **PREVIOUS YEAR PAPER** (Held on : 3<sup>rd</sup> April 2016 Shift 01)

# Instructions

- The test contains 100 objective type questions.
- All questions are compulsory.
- Complete the test within 90 minutes.
- All questions contain four alternatives, in which only one is correct.
- 1. What among the following is FALSE about the Richter scale?

# TTA: 15 Seconds

- A. It was developed by Charles Richter and Gutenberg in 1935.
- **B.** It is a logarithmic scale
- C. It can be measured using a seismometer
- **D.** The magnitude of 8-9 on a Richter scale means it is a micro-earthquake.
- 2. Two trains 105 meters and 90 meters long, run at the speeds of 45 km/h and 72 km/h respectively, in opposite directions on parallel tracks. The time which they take to cross each other is?

# TTA: 55 Seconds

| <b>A.</b> 8 sec | <b>B.</b> 6 sec |
|-----------------|-----------------|
| C. 7 sec        | <b>D.</b> 5 sec |

3. Which device is used to convert digital signals into frequency signals?

| TTA: 15 Seconds |   |
|-----------------|---|
| A. WIFI         | B |

| A. WIFI                          | В.     | Modem |
|----------------------------------|--------|-------|
| C. Port                          | D.     | USB   |
| If $N \cdot 38 \cdot 3 \cdot 57$ | Find N |       |

**4.** If N : 38 : : 3 : 57, Find N. TTA: 45 Seconds

A. 
$$\frac{2}{3}$$
 B.  $\frac{2}{3}$   
C. 3 D. 2

5. The distance between two points A and B is covered in  $5\frac{1}{5}$  hours at a speed of 50 km/h. If the speed is increased by 5 km/h. How much time would be saved?

## TTA: 55 Seconds

| A. 5 minutes  | <b>B.</b> 15 minutes |
|---------------|----------------------|
| C. 50 minutes | <b>D.</b> 30 minutes |

6. If  $x=7-4\sqrt{3}$ , find the value of  $\frac{\sqrt{x}+1}{\sqrt{x}}$ TTA: 60 Seconds

**A.** 0 **B.** 1 **C**. 4 **D.** -4

- 7. Which is India's longest river that does not flow into the sea? TTA: 15 Seconds
  - A. Ganga B. Jamuna
  - C. Tapti **D.** Kaveri
- 8. What is the most cultivated crop in India? TTA: 15 Seconds
  - A. Ragi **B.** Wheat
  - C. Corn D. Rice
- 9. In which city is the value of Gold determined? TTA: 15 Seconds
  - A. California B. Sydney C. Rome D. London
- 10. Find the similarity in the following : Elephant, Camel, Buffalo, Giraffe TTA: 20 Seconds
  - A. The milk produced by all of them cannot be consumed by people.
  - **B.** All of them have horns.
  - C. None of them are mammals.
  - D. The young ones of all of them are called calf.

**11.** If 
$$y = \frac{2x-1}{x+3}$$
, find *x* when  $y=1$ 

TTA: 55 Seconds

| <b>A.</b> 4      | <b>B.</b> −4     |
|------------------|------------------|
| C. $\frac{3}{2}$ | D. $\frac{4}{3}$ |

12. Which vitamin among the following is crucial for blood clotting?

| TTA: 15 Seconds |                     |
|-----------------|---------------------|
| A. Vitamin K    | <b>B.</b> Vitamin D |
| C. Vitamin A    | <b>D.</b> Vitamin E |
|                 |                     |

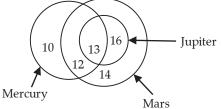
13. If the mathematical operators, '+' and  $'\times'$  are interchanged, what will be the value of the equation  $9 \div 5 + 10 - 23 \times 2$ TTA: 50 Seconds A 2

| <b>A.</b> 3  | В. 2         |
|--------------|--------------|
| <b>C.</b> -3 | <b>D.</b> -5 |

| 12  |   |       | Previc                   |
|-----|---|-------|--------------------------|
| 14. | A wire is in the shape  | of a  | rectangle. Its length is |
|     |   |       | 8 m. If the same wire is |
|     |   |       | quare, what will be the  |
|     | measure of the side of  | the s | square?                  |
|     | TTA: 65 Seconds   |       |                          |
|     | <b>A.</b> 16.125  | В.    | 32.25                    |
|     | <b>C.</b> 11.35   | D.    | 22.70                    |
| 15. |   |       | h Bharat 2015 survey,    |
|     | which is the cleanest ci  | ty ir | n India?                 |
|     | TTA: 15 Seconds   |       |                          |
|     |   |       | Delhi                    |
|     | C. Ahmedabad  |       |                          |
| 16. | Which is the most pea   |       |                          |
|     | the 2015 Global Peace I   | nde   | x?                       |
|     | TTA: 15 Seconds   |       |                          |
|     |   |       | Bhutan                   |
|     |   |       | New Zealand              |
| 17. | Where did the Chipko  | mov   | vement begin?            |
|     | TTA: 20 Seconds   |       |                          |
|     | )   |       | Assam                    |
|     | C. Arunachal Pradesh  |       |                          |
| 18. |   |       | ers to make a meaningful |
|     | word and then select the  | ne o  | ne which is different.   |
|     | TTA: 35 Seconds   |       |                          |
|     |   |       | NADS                     |
|     |   |       | DLOG                     |
|     |   |       | the following diagram    |
|     | the second se | 1     |                          |

and answer the question based on it.

The diagram represents the likes of kids of a class.



The ratio of kids who like only Mars to those who like all the three is

| A. | $\frac{7}{5}$ | B. | $\frac{7}{8}$   |
|----|---------------|----|-----------------|
| C. | $\frac{7}{6}$ | D. | $\frac{14}{13}$ |

20. What is the difference between the kids who like Mercury and Jupiter? TTA: 35 Seconds

| 1 III. ob occontas |              |
|--------------------|--------------|
| <b>A.</b> 6        | <b>B.</b> 8  |
| <b>C.</b> 10       | <b>D.</b> 12 |

**21.** Sum of number of kids who like Mars and Jupiter is.

#### TTA: 35 Seconds

| <b>A.</b> 45 | <b>B.</b> 30 |
|--------------|--------------|
| <b>C.</b> 26 | <b>D.</b> 13 |

22. Name the capital of Uganda?

# TTA: 15 Seconds

| A. Mogadishu | B. Kampala |
|--------------|------------|
| C. Lusaka    | D. Bulenga |

| 5 icu |   |                      |  |
|-------|---|----------------------|--|
| 23.   | What is Madhubani art   | ?                    |  |
|       | TTA: 15 Seconds   |                      |  |
|       | A. The art of Storytellin   | g                    |  |
|       | <b>B.</b> The art of Gujarat  |                      |  |
|       | <b>C.</b> A folk art practiced i  |                      |  |
|       | <b>D.</b> The art of honey extra the second secon | ract                 | ion  |
| 24.   | What is 'Planet Nine'?<br>TTA: 15 Seconds   |                      |  |
|       | <b>A.</b> A planet in the Com   | et C                 | alayy  |
|       | <b>B.</b> A planet in Androme   |                      |  |
|       |   |                      | Wars' series took place                            |
|       | 8 <i>i</i> i i  | rop                  | osed in the outer Solar                            |
|       | System  |                      |  |
| 25.   | Which is NOT an Oper  | atin                 | g System?  |
|       | TTA: 15 Seconds   |                      |  |
|       | A. OS X   | B.                   | Windows-7  |
|       | C. Dos  | D.                   | C++  |
| 26.   | What is the smallest me exactly divisible by 12, 2  | uml<br>24 <i>,</i> 4 | per of 5 digits which is 8, 60, and 96?            |
|       | TTA: 45 Seconds   |                      |  |
|       | <b>A.</b> 10,000  | B.                   | 10,024   |
|       | <b>C.</b> 10,160  | D.                   | 10,080   |
| 27.   | Find the cost in rupe<br>65 dm × 30 dm at ₹ 45 µ  |                      |  |
|       | TTA: 65 Seconds   |                      |  |
|       | <b>A.</b> 877.50  | B.                   | 87750  |
|       | <b>C.</b> 87.75   | D.                   | 8775   |
| 28.   | What is the most comminfections in humans?  | non                  | treatment for bacterial                            |
|       | TTA: 20 Seconds   |                      |  |
|       | A. Aspirin  | B.                   | Antibodies   |
|       | C. Antibiotics  | D.                   | Antigen  |
| 29.   | The ratio of ages of Jai a their ages is 63. After 9 of their ages?   |                      | Joy is 5 : 2. The sum of rs what will be the ratio |
|       | TTA: 65 Seconds   |                      |  |
|       | <b>A.</b> 5 : 2   | B.                   | 2:1  |
|       |   | _                    |  |

- C. 3 : 2 D. 4 : 3 30. By selling 90 chocolates for ₹ 160, a chocolate trader
  - loses 20%. How many chocolates should he sell for ₹ 96 to make a profit of 20%?

TTA: 65 Seconds

- A. 45B. 36C. 54D. 28
- **31.** What is an archipelago?

TTA: 20 Seconds

- A. Group, chain, cluster or collection of Islands
- B. The meeting of Land and Sea
- C. An Architect's paradise
- D. A type of Church

|     | <b>Direction : (32-34)</b> Six animals – horse, cow, pig, dog, donkey, and goat are tied to a pole each, in a circle, facing each other, in random order.<br>Consider the following information and answer the question based on it.  | 39. |
|-----|---|-----|
| 32. | <ol> <li>Goat is to the immediate right of the pig.</li> <li>The cow is not tied next to either donkey or dog.</li> <li>If the animals mark the vertices of a hexagon, then the horse is diagonally opposite to the pig.</li> <li>The cow is tied to the immediate left of</li> </ol> | 40. |
|     | TTA: 45 Seconds<br>A. Goat B. Pig   |     |
|     | 20 110  |     |
| 33  | C. Horse D. Dog<br>Which pair is tied next to each other?   |     |
| 55. | TTA: 45 Seconds   | 41. |
|     | <b>A.</b> Horse and Goat <b>B.</b> Pig and Cow  |     |
|     | C. Goat and Dog D. Donkey and Dog   |     |
| 34. | Which animal is tied to the immediate left to the   | 42. |
|     | pig?  | 12. |
|     | TTA: 45 Seconds   |     |
|     | A. Goat B. Donkey   |     |
|     | C. Dog D. Cannot be determined  | 43. |
| 35. | Who is Sabari Karthik?  |     |
|     | TTA: 15 Seconds   |     |
|     | A. Famous Indian Karate Champion  |     |
|     | <b>B.</b> Rugby Player<br><b>C.</b> Cricketer   |     |
|     | D. Kabaddi Champion   |     |
| 36  | Which among the following is popularly called   |     |
| 50. | Laughing Gas?   | 44. |
|     | TTA: 15 Seconds   |     |
|     | A. Nitric oxide B. Nitrogen dioxide   |     |
|     | C. Nitrous oxide D. Nitrogen peroxide   |     |
| 37. | Four pairs of words are given. Find the odd one   | 45. |
|     | out.  |     |
|     | TTA: 20 Seconds   |     |
|     | <ul><li>A. 65th anniversary : Diamond Jubilee</li><li>B. 50th anniversary : Golden Jubilee</li></ul>  | 46. |
|     | <b>C.</b> 40th anniversary : Ruby Jubilee   |     |
|     | D. 25th anniversary : Silver Jubilee  |     |
| 38. | A lady wants to buy the following items in the  | 47. |
|     | given price range -   | 1/. |
|     | 1. Tomato between ₹ 40 to ₹ 45 per kg.  |     |
|     | <b>2.</b> Grapes in the price range of ₹ 80 to ₹ 90 per kg.   |     |
|     | 3. Milk packets al ₹ 23 per litre.  |     |
|     | In which shop from the following will she definitely  | 48. |
|     | get all her items?<br>TTA: 70 Seconds   |     |
|     | <b>A.</b> Shop S sells tomato at ₹ 22.5 per half kg, grapes   |     |
|     | at ₹ 82 per kg and milk at ₹ 24 per litre.  |     |
|     | <b>B.</b> Shop H sells grapes at ₹ 21 per quarter kg, milk  |     |
|     | at 12.5 per half-litre, and tomato at ₹ 22 per half   |     |
|     | kg.   | 49. |
|     | C. Shop O sells milk at ₹ 11.5 per half-litre, tomato at 21 per half kg and grapes at ₹ 43 per half kg.   |     |
|     | at 21 per han ng and grapes at v 45 per hall kg.  |     |

|     | D. Shop P sells tomato<br>at ₹ 85 per kg and m     |        | 23.5 per half kg, grapes   |
|-----|--|--------|----------------------------|
| 20  |  |        |                            |
| 39. |  | am     | an, an Indian geneticist,  |
|     | play a leading role in?                            |        |                            |
|     | TTA: 20 Seconds                                    | ъ      | 1471 · C 1 · ·             |
|     | A. Yellow Revolution                               |        |                            |
|     | C. Green Revolution                                | D.     | Black Revolution           |
| 40. | What is the mean of th in a science exam?          | e m    | arks scored by students    |
|     |  |        |                            |
|     | 41, 39, 52, 48, 54, 62, 46,                        | 52,4   | 10,96, 42, 40,98, 60, 52   |
|     | TTA: 55 Seconds                                    |        |                            |
|     | <b>A.</b> 54.8                                     | B.     | 58.4                       |
|     | <b>C.</b> 53.4                                     | D.     | 53.8                       |
| /1  | Simplify : $(-4.6) \times (-$                      |        |                            |
| 11. | TTA: 65 Seconds                                    | 1.0)   | . ( 4.0 + 0.0)             |
|     | A5.29  | в      | -0.529                     |
|     | <b>C.</b> -4.06                                    |        | 5.01                       |
| 42. |  |        |                            |
| 12. | TTA: 15 Seconds                                    | ii c f | printed in which place.    |
|     | <b>A.</b> New Delhi                                | B.     | Bombay                     |
|     | C. Nashik  |        | Agra                       |
| 40  | 4  |        | •                          |
| 43. | The price of $4 - m$ of cl                         | otn    | is ₹ 60. Find the cost per |
|     | metre. <sup>2</sup><br>TTA: 70 Seconds             |        |                            |
|     |  |        | 1                          |
|     | <b>A.</b> $15\frac{1}{2}$                          | B.     | $13\frac{1}{3}$            |
|     |  |        |                            |
|     | C. $14\frac{3}{5}$                                 | D.     | $13\frac{3}{2}$            |
|     | 5  |        | 2                          |
| 44. | What is the number of                              | f Ga   | lilean moons of Jupiter    |
|     | discovered by Galileo C                            | Galil  | ei in January 1610?        |
|     | TTA: 15 Seconds                                    |        |                            |
|     | <b>A.</b> 2  | B.     |                            |
|     | <b>C.</b> 4  | D.     | -                          |
| 45. | Mica is available abund                            | lant   | ly in which state?         |
|     | TTA: 15 Seconds                                    | -      |                            |
|     | A. West Bengal                                     | _      | Madhya Pradesh             |
|     | C. Bihar   |        | Rajasthan                  |
| 46. | If $X = 24$ and BE = 7, the TTA $\cdot$ 45 Seconds | nen    | KIING = ?                  |
|     | TTA: 45 Seconds<br>A. 41                           | р      | 17                         |
|     | A. 41<br>C. 48                                     |        | 47<br>49                   |
| 47  |  |        |                            |
| 47. | 399. Find the lower of t                           |        | ecutive odd numbers is     |
|     | TTA: 55 Seconds                                    | nell   | ι.                         |
|     |  | D      | 10                         |
|     | A. 17  |        | 19                         |
| 10  | C. 21<br>Returner subish station                   |        | 23                         |
| 48. | _  | s do   | oes India's longest train  |
|     | run?   |        |                            |
|     | TTA: 15 Seconds                                    |        | 11                         |
|     | A. Kanyakumari – Bara                              | ımu    | па                         |

- A. Kanyakumari Baramulla
- **B.** Dibrugarh Naliya
- C. Dibrugarh Kanyakumari
- **D.** Thiruvananthapuram New Delhi
- Answer the following question based on the information given below.Directive Principles of State Policy and Fundamental Rights are sections of the Constitution of India. The

## Previous Year Paper 03 (Held on : 3rd April 2016 Shift 01)

first section of that sets out the basic obligations of the state to its citizens and the duties of citizens towards the state. Sections of Uttarakhand include the fundamental rights an Indian citizen is entitled to. Which conclusion does the given paragraph make?

# TTA: 55 Seconds

- A. Fundamental rights are just and not enforceable.
- **B.** The Directive Principle is the right of a citizen and is enforceable.
- **C.** The directive principle is an obligation, which is related to the completion of the state.
- D. Directive Principle gives the rights to the owner.
- 50. What is The Siberian ibex?

# TTA: 15 Seconds

A. Mountain Lions

- B. Large and heavily built goats
- C. Mountain Deer
- D. A Type of Horse
- **51.** Cost price of 25 chairs equals the selling price of 20 chairs. Find the profit %.

#### TTA: 55 Seconds

| A. | 20% | В. | 33%   |
|----|-----|----|-------|
| C. | 25% | D. | 12.5% |

52. A trader marks his goods at 20% above the cost price. If he allows a discount of 5% what is his final profit%

| TTA: 65 Seconds |    |     |
|-----------------|----|-----|
| <b>A.</b> 12%   | В. | 14% |
| <b>C.</b> 15%   | D. | 18% |

53. What is Swadeshi?

TTA: 20 Seconds

- **A.** Made in India, from materials that have also been produced in India
- **B.** Made in Foreign Lands from materials that are foreign
- C. A Charkha that is used to spin cotton wool
- **D.** A Country Flag that is made of Cotton
- **54.** Which among the following happens in an oxidation reaction?

#### TTA: 20 Seconds

- A. Electrons are gained
- **B.** Electrons are lost
- C. Protons are gained
- **D.** Protons are lost
- 55. Where is the Masai Mara National Reserve? TTA: 15 Seconds

| A. Mali  | В. | Kenya  |
|----------|----|--------|
| C. Gabon | D. | Zambia |

56. Find the compound interest to the nearest rupee on ₹ 7,500 for 2 years 4 months at 12% p.a. reckoned annually?

TTA: 65 Seconds

| <b>A.</b> 2,284 | В. | 2,176 |
|-----------------|----|-------|
| <b>C.</b> 2,007 | D. | 2,235 |

**Direction : (57-59)** The following table represents the percentage marks of four students in six subjects. Consider the table and answer the question based on it.

| Student | Maths | Science | History | Geography | English | Hindi |
|---------|-------|---------|---------|-----------|---------|-------|
| Shamita | 75    | 80      | 65      | 68        | 72      | 65    |
| Smita   | 80    | 85      | 75      | 65        | 70      | 70    |
| Shilpa  | 82    | 88      | 70      | 69        | 71      | 70    |
| Sheela  | 78    | 87      | 65      | 70        | 75      | 74    |

The average marks obtained by the students in Geography and History are

|     | Geography and History                           | are  |
|-----|---|--|
| 57. | TTA: 45 Seconds                                 |  |
|     | <b>A.</b> 68.75 and 68                          | <b>B.</b> 70.5 and 69  |
|     | <b>C.</b> 68 and 68.75                          | <b>D.</b> 68.75 and 68.5                                       |
| 58. | TTA: 45 Seconds                                 |  |
|     | <b>A.</b> 5.5                                   | <b>B.</b> 6  |
|     | <b>C.</b> 6.25                                  | <b>D.</b> 5.25   |
| 59. | TTA: 45 Seconds                                 |  |
|     | A. Shamita                                      | <b>B.</b> Smita  |
|     | C. Shilpa                                       | D. Sheela  |
| 60. | If $\cos \theta + \sin \theta = m$ , sec        | $\theta$ + cosec $\theta$ = <i>n</i> , what is $\frac{m}{n}$ ? |
|     | TTA: 60 Seconds                                 | п  |
|     | <b>A.</b> 2 <i>m</i>                            | <b>B.</b> $\sin\theta\cos\theta$                               |
|     | <b>C.</b> $\sec\theta \csc\theta$               | <b>D.</b> $\cot\theta$ $\tan\theta$                            |
| 61. | M is the son of N. O is father of M. How is N r | is the father of N. P is the elated to P?                      |
|     | TTA: 35 Seconds                                 |  |
|     | A. Wife   | <b>B.</b> Husband  |
|     | C. Father                                       | <b>D.</b> Mother   |
| 62. | What is Sepak Takraw?                           |  |
|     | TTA: 15 Seconds                                 |  |
|     | A. A Bird                                       |  |
|     | <b>B.</b> An ancient hunting                    | team in Malaysia   |
|     | C. Kick Volleyball                              |  |
|     | D. A Type of Combat Fl                          | ight   |
| 63. | X, Y, and Z take 18 da                          | ays to complete a piece of                                     |
|     |   | e, he finishes the work in                                     |
|     | -   | s alone he finishes it in 60                                   |
|     | days. How long will it t alone?                 | ake Z to complete the work                                     |
|     | TTA: 75 Seconds                                 |  |
|     | <b>A.</b> 78 days                               | <b>B.</b> 90 days  |
|     | <b>C.</b> 96 days                               | <b>D.</b> 14 days  |
| 64. | Which is the capital of S                       | \$   |
|     | TTA: 15 Seconds                                 |  |
|     | A. Colombo                                      |  |
|     |   |  |

- B. Kandy
- C. Jayawardenepura Kotte
- D. Anuradhapura

 $1 \perp cos \theta$ 

cin 0

| 65. | Solve $\frac{\sin\theta}{1+\cos\theta} + \frac{1+\cos\theta}{\sin\theta}$  |
|-----|--|
|     | TTA: 65 Seconds  |
|     | <b>A.</b> $\tan \theta$ <b>B.</b> $\cot \theta$  |
|     | C. $\frac{2}{\sin\theta}$ D. $\frac{2}{\cos\theta}$  |
| 66. | The Panchatantra fables are thought to be composed by  |
|     | TTA: 20 Seconds  |
|     | A. Mullah Nasruddin B. Vishnu Sharma   |
|     | C. King Sudharshan D. Tenali Raman   |
| 67. | What was the code name of the nuclear tests conducted by India in Pokhran in 1998?   |
|     | TTA: 20 Seconds  |
|     | A. Operation Desert Storm  |
|     | <b>B.</b> Operation Vijay  |
|     | C. Operation Shakti  |
|     | D. Operation Kaboom  |
| 68. |  |
|     | <b>Assertion</b> (A) : Penguins are birds that are found in the hottest regions of the earth.                                      |
|     | <b>Reason</b> (R) : Birds in hot regions do not have wings.  |
|     | TTA: 65 Seconds  |
|     | <b>A.</b> Both A and R are true and R is the correct explanation of A  |
|     | <b>B.</b> Both A and R are true, but R is not the correct explanation of A   |
|     | <b>C.</b> A is true, but R is false  |
|     | D. Both A and R are false  |
| 69. | )  |
|     | TTA: 20 Seconds  |
|     | A. An Indian politician  |
|     | B. Bharatanatyam dancer  |
|     | C. A popular musician  |
|     | D. Indian Female Artist  |
| 70. | The sum of the digits of a 2-digit number is 9.<br>When 27 is added to the number, the digits get<br>interchanged. Find the number |

#### TTA: 45 Seconds

| <b>A.</b> 45 | B. | 36 |
|--------------|----|----|
| <b>C.</b> 18 | D. | 27 |

71. Find the missing (?) in the series 13, 14, 18, 27, ?, 68, 104.....

#### TTA: 55 Seconds

| <b>A.</b> 36 | B. | 41 |
|--------------|----|----|
| <b>C.</b> 43 | D. | 54 |

72. Kitty said, "Uthara is one of the two daughters of my mother's brother's wife". How is Kitty's mother related to Uthara's sister?

# TTA: 35 Seconds

| A. Maternal Aunt | B. | Mother |
|------------------|----|--------|
| C. Grandmother   | D. | Sister |

73. One angle of a triangle is 55°. If the other two angles are in the ratio of 9:16, find the angles (in degrees)?

#### TTA: 55 Seconds

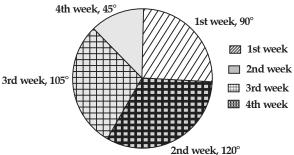
| <b>A.</b> 65 and 115 | <b>B.</b> 90 and 160     |
|----------------------|--------------------------|
| <b>C.</b> 55 and 165 | <b>D.</b> 45 and 80      |
| Which contemporary   | painter made a series of |
| paintings on Mahatma | Gandhi?                  |

#### TTA: 20 Seconds

74.

| A. Amrita Shergilly | B. | Ram Kinkar |  |
|---------------------|----|------------|--|
|---------------------|----|------------|--|

- C. M.F. Hussain D. Atul Doliya
- 75. A person is shown by the pie chart given below. If his total income is ₹ 360,000. Then his 2<sup>nd</sup> week income will be



TTA: 55 Seconds

| <b>A.</b> ₹ 90,000 | <b>B.</b> ₹ 120,000 |
|--------------------|---------------------|
| C ₹45,000          | D ₹105.000          |

| <b>C. (</b> 10,000 | D.         | <b>C</b> 100,000 |
|--------------------|------------|------------------|
| 1/ LLOLIOFO        | CILLION II | DIADY            |

- **76.** If HOUSES = GNAYDR, then DIARY =TTA: 30 Seconds A. CHGXZ **B.** CHEWZ
  - **D.** CHEWX C. CHGXX
- 77. What does "Satyameva Jayate" mean? TTA: 20 Seconds
  - A. "Truth alone triumphs"
  - B. "True Faith is Rare"
  - C. "Truth is Divine
  - D. "Truth is a Treasure"
- 78. Male is the capital of which country?

#### TTA: 20 Seconds

A. Mauritius B. Lakshadweep C. Maldives D. Malaysia 79. Select the alternative that does not have a similar relationship as the given pair. Forward : Backward

# TTA: 25 Seconds

| A. Hope : Despair | <b>B.</b> Love : Hate  |
|-------------------|------------------------|
| C. Anger : Wrath  | <b>D.</b> Light : Dark |

A statement followed by some conclusions are 80. given below. Statement : Religions teach the guiding principles for leading one's life.

**Conclusions** :

- I. Religion is a way of life.
- II. Religion is a teacher.

Find which of the given conclusions logically follow(s) from the given statement. TTA: 55 Seconds A. Only conclusion I follows. **B.** Only conclusion II follows. C. Both I and II follow. D. Neither I nor II follows. 81. If H<sub>2</sub>O : Hydrogen, then KOH :\_\_\_ TTA: 20 Seconds A. Cobalt **B.** Phosphorous C. Potassium **D.** Krypton 82. Simplify :  $\frac{9}{13} \div \frac{18}{26} \div \frac{90}{52}$ TTA: 40 Seconds 45  $\frac{13}{45}$ B. A. 26  $\frac{26}{45}$  $\frac{45}{13}$ C. D. 83. Zero degree centigrade is equal to what degree Fahrenheit? TTA: 20 Seconds **A.** 100°F **B.** 30°F **C.** 34°F **D.** 32°F 84. If SHFIF is FUSVS, then ZEBRA is TTA: 40 Seconds **B.** MRNEO A. NRMEO C. NROEM **D.** MROEN 85. What is the normal resting heart rate range for adults (beats/min)? TTA: 20 Seconds **A.** 60 to 100 **B.** 50 to 80 **D.** 75 to 120 **C.** 120 to 180 86. Q's father is E's son-in-law. C is Q's sister and the daughter of P. P is the maternal aunt of D. How is P related to B? TTA: 35 Seconds A. Son **B.** Daughter C. Grand son D. Grand daughter 87. Who was the first woman to reach the summit of Mt. Everest? TTA: 15 Seconds A. Bachendri Pal B. Junko Tabei C. Arunima Sinha D. Premlata Agarwal 88. 6 carpenters make 96 windows in 6 days. If 8 carpenters work for 4 days, how many windows will they make? TTA: 55 Seconds **A.** 16 **B.** 28 **C.** 36 **D.** 32 89. A factory produced 18,58,509 cassettes in the

month of January, 7623 more cassettes in the month of February and owing to a short supply of electricity produced 25,838 less cassettes in March than in February. Find the total production in all?

|     | TTA: 80 Seconds  |   |
|-----|--|---|
|     | <b>A.</b> 55,57,312 <b>B.</b> 50,83,245  |   |
|     | C. 55,64,935 D. 56,08,988  |   |
| 90. | What is Makar Sankranti?   |   |
|     | TTA: 15 Seconds  |   |
|     | A. Lunar Eclipse B. Harvest Festival   |   |
|     | C. Kite Festival D. Puppet   |   |
| 91. | 5  |   |
|     | given below.   |   |
|     | Statements :   |   |
|     | <b>1.</b> Confusion causes mental tension.   |   |
|     | <b>2.</b> Mental tension causes anxiety.   |   |
|     | Conclusions :  |   |
|     | <b>I.</b> Anxiety is a disease.  |   |
|     | <b>II.</b> Confusion leads to anxiety.   | _ |
|     | Find which of the given conclusions logically follow(s) from the given statements.                   |   |
|     | TTA: 45 Seconds  |   |
|     | <b>A.</b> Only conclusion I follows.   |   |
|     | <b>B.</b> Only conclusion II follows.  |   |
|     | C. Both I and II follow.   |   |
|     | <b>D.</b> Neither I nor II follows.  |   |
| 92. |  |   |
|     | as 439516, "Mango and lemon are yellow" is   |   |
|     | written as 04396 and "Melon is green" is written as  |   |
|     | 857. which digit represents "melon"?   |   |
|     | TTA: 50 Seconds  |   |
|     | <b>A.</b> 5 <b>B.</b> 8  |   |
|     | C. 7 D. Cannot be determined   |   |
| 93. | Find the missing (?) in the series   |   |
|     | AIQ, BJR, CKS, DLT, ?,   |   |
|     | TTA: 45 Seconds  |   |
|     | A. ENU B. EMV  |   |
|     | C. ENV D. EMU  |   |
| 94. | Sanjay and Jacob start running in opposite   |   |
|     | directions from the same point at speeds of 7 m/s  |   |
|     | and 5 m/s respectively. After 42 minutes, how far would they be from each other?                     |   |
|     | TTA: 75 Seconds  |   |
|     |  |   |
|     |  |   |
| 05  | <b>C.</b> 8.4 km <b>D.</b> 69.5 km   |   |
| 95. | Which country joined the World Trade<br>Organization as the 144 <sup>th</sup> member in 2015?        | ! |
|     | TTA: 15 Seconds  |   |
|     |  |   |
|     | A. Philippines B. Liberia  |   |
| 0.5 | C. Jordan D. Afghanistan   |   |
| 96. | Find the difference between compound interest<br>and simple interest on 5,000 for 2 years at 8% p.a. |   |
|     | payable annually?  |   |
|     | TTA: 50 Seconds  |   |
|     |  |   |

| <b>A.</b> 45 | B. | 32 |
|--------------|----|----|
| <b>C.</b> 57 | D. | 84 |

| <b>97.</b> Solve : 12−[26−{2+5 × (6−3)}]<br><b>TTA: 65 Seconds</b> |                        | 99.                          | The LCM of two consecutive even numbers is 144. find the numbers? |  |  |
|--|------------------------|------------------------------|---|--|--|
|  | <b>A.</b> 2            | <b>B.</b> 3                  |   | TTA: 70 Seconds                                  |  |
|  | C. 7                   | <b>D.</b> 8                  |   | <b>A.</b> 16 and 18                              | <b>B.</b> 14 and 16                        |
| 98.  | Abdul prepared 42 litr | es of medicine and filled it |   | <b>C.</b> 18 and 20                              | <b>D.</b> 22 and 24                        |
|  |                        | ch. Find how many bottles    | 100.  | The Dibru-Saikhowa, N<br>Park are all found in w | Nameri , and Orang National<br>hich State? |
| TTA · 75 Seconds   |                        |                              | TTA · 20 Seconds  |  |  |

# TTA: 75 Seconds

| A. | 15  | B. | 1,500 |
|----|-----|----|-------|
| C. | 150 | D. | 300   |

#### TTA: 20 Seconds

A. Andhra Pradesh **B.** Assam

C. Arunachal Pradesh D. Uttarakhand

# SMART ANSWERSHEET 🖉

Correct % Indicates % of students answered correctly.

Skipped % Indicates % of students skipped questions.

|                             |                             |                             |                             | E                           | asy 🧊 Medium                | Difficult                 |
|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|
| Q. A. Correct<br>Skipped    | Q. A. Correct<br>Skipped  |
| 1.D 🕃 20% 39%               | 16.A 3 61% 13%              | 31.A (a) 60% 28%            | 46.C© 0% 94%                | 61.A@ 2% 96%                | 76.C@ 22% 58%               | 91.B© 19% 71%             |
| 2.B @ 10% 58%               | 17.A 22% 53%                | 32.C© 31% 57%               | 47.B© 23% 75%               | 62.C <sup>®</sup> 0% 100%   | 77.A 29% 57%                | 92.A@ 24% 71%             |
| 3.B 🗟 16% 46%               | 18.B@ 24% 43%               | 33.D© 63% 19%               | 48.C <sup>®</sup> 23% 76%   | 63.B© 0% 100%               | 78.C <sup>®</sup> 39% 58%   | 93.D© 10% 81%             |
| 4.D @ 4% 48%                | 19.D@ 27% 63%               | 34.D© 10% 86%               | 49.C© 27% 71%               | 64.C <sup>®</sup> 14% 83%   | 79.C@ 24% 59%               | 94.A© 20% 74%             |
| 5.D @ 30% 42%               | 20.A@ 33% 46%               | 35.A 35% 33%                | 50.B <sup>(2)</sup> 31% 66% | 65.C© 6% 87%                | 80.A© 25% 64%               | 95.D <sup>®</sup> 20% 76% |
| 6.C © 12% 59%               | 21.B@ 31% 29%               | 36.C <sup>®</sup> 24% 58%   | 51.C© 25% 70%               | 66.B3 8% 84%                | 81.C <sup>®</sup> 70% 24%   | 96.B© 31% 59%             |
| 7.B 🗟 30% 8%                | 22.B <sup>(2)</sup> 42% 37% | 37.A 3 41% 48%              | 52.B© 0% 77%                | 67.C <sup>®</sup> 11% 89%   | 82.C@ 67% 23%               | 97.B© 31% 60%             |
| 8.D 🗟 33% 35%               | 23.C <sup>®</sup> 12% 48%   | 38.C© 39% 55%               | 53.A 3 11% 86%              | 68.D© 7% 89%                | 83.D <sup>(2)</sup> 69% 23% | 98.C© 25% 60%             |
| 9.D 🗟 69% 6%                | 24.D <sup>2</sup> 27% 48%   | 39.C <sup>(2)</sup> 39% 47% | 54.B <sup>(2)</sup> 31% 64% | 69.D <sup>®</sup> 6% 90%    | 84.D@ 67% 27%               | 99.A© 8% 71%              |
| 10.D <sup>3</sup> 77% 7%    | 25.D 3 42% 41%              | 40.A© 28% 45%               | 55.B <sup>(2)</sup> 2% 95%  | 70.B© 5% 90%                | 85.A 39% 27%                | 100.B<br>(14%) 81%        |
| 11.A© 23% 17%               | 26.D© 27% 41%               | 41.A© 24% 66%               | 56.A© 19% 80%               | 71.C@ 33% 53%               | 86.B@ 43% 29%               |                           |
| 12.A <sup>®</sup> 22% 10%   | 27.A© 41% 43%               | 42.C <sup>(2)</sup> 31% 46% | 57.C© 0% 99%                | 72.A@ 34% 55%               | 87.B <sup>(2)</sup> 34% 34% |                           |
| 13.C© 58% 11%               | 28.C <sup>(2)</sup> 31% 45% | 43.B© 5% 76%                | 58.C© 10% 87%               | 73.D© 31% 58%               | 88.D© 27% 36%               |                           |
| 14.B© 53% 14%               | 29.B@ 17% 49%               | 44.C <sup>®</sup> 17% 44%   | 59.C 12% 80%                | 74.D <sup>(2)</sup> 29% 59% | 89.C 37% 37%                |                           |
| 15.D <sup>(2)</sup> 42% 18% | 30.B© 17% 58%               | 45.C 2% 92%                 | 60.B© 8% 89%                | 75.B© 29% 61%               | 90.C 34% 42%                |                           |

PERFORMANCE ANALYSIS

| OVERALL       |        |  |
|---------------|--------|--|
| Avg. Score    | 56/100 |  |
| Toppers Score | 94/100 |  |
| Cut Off       | 81/100 |  |
| Your Score    |        |  |

| OSWAAL LEARNING TOOLS                             |    |               |  |
|---|----|---------------|--|
| For Solutions of the above Paper, follow the link |    |               |  |
| <b>Visit :</b> https://qrgo.page.link/1H1dh       | Or | Scan the Code |  |