

**12:30 PM - 2:30 PM**  
**Junior Assistant (Fire Service) NE 4**

**Section : Domain section**

**Q.1** The LCM of two numbers is 12 times their HCF, and the difference between their LCM and HCF is 4829. \When one of these two numbers is divided by 375, the quotient is 3 and the remainder is 192. The other number is:

- Ans**  1. \_195  
 2. 878  
 3. 1756  
 4. \_634

Question ID : 75322920112  
Status : Not Attempted and  
Marked For Review  
Chosen Option : --

**Q.2** The cost of 5 notebooks and 4 pens is H42. The cost of 7 notebooks and 3 pens is US less than the cost of 9 notebooks and 1 pen. What is the cost of 4 notebooks and 5 pens?

- Ans**  1. zI44  
 2. zI28  
 3. zI50  
 4. zB6

Question ID: 75322920114  
Status : Not Attempted and  
Marked For Review  
Chosen Option : --

**Q.3** The internal and external radii of a hollow spherical shell are 4 cm and 8 cm, respectively. It is melted and recast into a solid right circular cylinder of height  $9\frac{3}{4}$  cm. What is curved smface area (in  $\text{cm}^2$ ) of the cylinder?

- Ans**  1. 168 rr  
 2. 448  
 3. 896  
 4. H2 rr

Question ID: 75322920125  
Status : Not Attempted and  
Marked For Review  
Chosen Option : --

Q.4 Which of the following has/have terminating decimal expansion(s)?

(a)  $\frac{2139}{3750}$  (b)  $\frac{39}{9375}$  (c)  $\frac{64}{455}$  (d)  $\frac{245}{1344}$

- Ans
- 1. (c) only
  - 2. (a) only
  - 3. (b) and (d)
  - 4. (a) and (b)

Question ID : 75322920111

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.5 A cylinder of radius 2.8 cm and height 8 cm is removed from a solid cone of radius 5.6 cm and height 24 cm. What is the volume (in  $\text{cm}^3$ ) of the remaining part of the cone? (Take  $\pi = \frac{22}{7}$ )

- Ans
- 1. 581.46
  - 2. 591.36
  - 3. 588.84
  - 4. 488.48

Question ID : 75322920124

Status : **Not Answered**

Chosen Option : --

Q.6 When the polynomial  $r(x) = ax + b$  is added to the polynomial  $p(x) = 4x^4 + 2x^3 - 2x^2 + x - 1$ , then the resulting polynomial is divisible by the polynomial  $q(x) = x^2 + 2x - 3$ . What is the value of  $(a - b)$ ?

- Ans
- 1. 121
  - 2. 126
  - 3. 97
  - 4. 123

Question ID : 75322920113

Status : **Answered**

Chosen Option : 3

Q.7 Consider the following distribution of daily wages of workers:

Daily wages (in ₹)	400-450	450-500	500-550	550-600	600-650
No. of workers	6	3	5	x	10

If the median daily wages are ₹570, then what is the value of x?

- Ans
- 1. 15
  - 2. 18
  - 3. 20
  - 4. 16

Question ID : 75322920123

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 In an arithmetic progression, the sum of the 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> terms is 12. What is the sum of the first 7 terms?

- Ans
- 1. 32
  - 2. 26
  - 3. 28
  - 4. 24

Question ID : 75322920116

Status : Answered

Chosen Option : 3

Q.9 Two fair dice are rolled together. What is the probability of getting the sum of the numbers appearing on their tops as 6 and one of the dice shows number 2 on its top?

- Ans
- 1.  $\frac{4}{9}$
  - 2.  $\frac{1}{9}$
  - 3.  $\frac{1}{18}$
  - 4.  $\frac{1}{6}$

Question ID : 75322920122

Status : Answered

Chosen Option : 4

**Q.10** The speed of a boat in still water is 15 km/h. It can go 15 km upstream and 10 km downstream in a total time of 2 hours. How much time (in hours) will it take to go 32 km downstream?

- Ans
- 1. 1.8
  - 2. 1.5
  - 3. 2
  - 4. 1.6

Question ID : 75322920115  
 Status : Answered  
 Chosen Option : 4

**Q.11** From the top of a tower, two boats on the same side of the tower are observed at angles of depression of  $30^\circ$  and  $60^\circ$ , respectively. If the distance between the boats is  $\frac{k\sqrt{3}}{3}$  m, then what is the height (in m) of the tower?

- Ans
- 1.  $\frac{2k}{3}$
  - 2. k
  - 3.  $\frac{k}{2}$
  - 4. 2k

Question ID : 75322920120  
 Status : Not Attempted and Marked For Review  
 Chosen Option : --

**Q.12** In  $\Delta ABC$ ,  $\angle A = 2\angle B$ . The bisector of  $\angle A$  meets BC at D such that CD = 4 cm and BD = 6 cm. The length of side AC is:

- Ans
- 1.  $6\sqrt{5}$  cm
  - 2.  $4\sqrt{5}$  cm
  - 3.  $2\sqrt{10}$  cm
  - 4.  $\sqrt{10}$  cm

Question ID : 75322920127  
 Status : Answered  
 Chosen Option : 4

**Q.13** In  $\Delta ABC$ ,  $\angle ABC = 135^\circ$ ,  $AB = 8\sqrt{2}$  cm and  $BC = 7$  cm. What is the length of side AC?

- Ans
- 1. 17 cm
  - 2. 18 cm
  - 3.  $18\sqrt{2}$  cm
  - 4.  $15\sqrt{2}$  cm

Question ID : 75322920126  
 Status : Answered  
 Chosen Option : 1

Q.14 In  $\Delta ABC$ ,  $\angle C = 90^\circ$ ,  $AC = 2\sqrt{3}$  cm and  $BC = 1$  cm. What is the value of  $(13 \sin^2 A + 6 \sec^2 A + \operatorname{cosec}^2 A)$ ?

- Ans
- 1.  $15\frac{1}{2}$
  - 2.  $13\frac{1}{2}$
  - 3.  $14\frac{1}{2}$
  - 4.  $20\frac{1}{2}$

Question ID : 75322920119

Status : Answered

Chosen Option : 3

Q.15 If  $\frac{\sin\theta - 2\sin^3\theta}{2\cos^3\theta - \cos\theta} = \frac{1}{\sqrt{7}}$ ,  $0^\circ < \theta < 90^\circ$ , then what is the value of  $(\sec^2\theta + \operatorname{cosec}^2\theta) \div (\sec^2\theta - \operatorname{cosec}^2\theta)$ ?

- Ans
- 1.  $1\frac{1}{8}$
  - 2.  $-1\frac{1}{4}$
  - 3.  $-1\frac{1}{3}$
  - 4.  $1\frac{2}{3}$

Question ID : 75322920118

Status : Answered

Chosen Option : 2

Q.16 The sum of the first  $k$  terms of the arithmetic progression  $-10, -7, -4, \dots$  is 104. What is the value of  $\frac{k+9}{k-5}$ ?

- Ans
- 1.  $\frac{3}{7}$
  - 2.  $\frac{12}{3}$
  - 3.  $\frac{11}{4}$
  - 4.  $\frac{10}{3}$

Question ID : 75322920117

Status : Answered

Chosen Option : 2

**Q.17** Let P and Q be the points of trisection of the line segment joining the points A (4, -1) and B (-2, -3), where P is nearest to A. If the coordinates of P and Q are ( $\alpha$ ,  $\beta$ ) and ( $\gamma$ ,  $\delta$ ) respectively, then the value of ( $\alpha + 2\beta - 3\gamma - \delta$ ) is:

- Ans
- 1.  $1\frac{1}{3}$
  - 2.  $\frac{2}{3}$
  - 3. 1
  - 4.  $\frac{1}{3}$

Question ID : 75322920121

Status : Answered

Chosen Option : 2

**Q.18** In a compound having molecular formula XY, element 'X' belongs to the 3<sup>rd</sup> period and the 2<sup>nd</sup> group, whereas, element 'Y' belongs to the 2<sup>nd</sup> period and the 16<sup>th</sup> group. What is the relative molecular mass of the compound XY?

- Ans
- 1. 50u
  - 2. 40u
  - 3. 64u
  - 4. 35u

Question ID : 75322920138

Status : Not Answered

Chosen Option : --

**Q.19** Which tissue in the respiratory system is most sensitive and destroyed to the greatest extent by tobacco smoke?

- Ans
- 1. Tiny capillaries where exchange of gases occurs.
  - 2. Mucosal epithelium in the nasal passage.
  - 3. Ciliated epithelium in the upper respiratory tract.
  - 4. Cartilage rings in the trachea.

Question ID : 75322920132

Status : Answered

Chosen Option : 2

**Q.20** Which molecules are believed to be absent in the atmosphere of the Earth before living cells were formed?

- Ans
- 1. Oxygen
  - 2. Ammonia
  - 3. Methane
  - 4. Hydrogen sulphide

Question ID : 75322920130

Status : Answered

Chosen Option : 1

Q.21 Which of the following is NOT a redox reaction?

Ans  1.  $\text{CaO}_{(s)} + \text{H}_2\text{O}_{(l)} \rightarrow \text{Ca}(\text{OH})_{2(aq)}$

2.



3.  $\text{CuO}_{(s)} + \text{H}_2_{(g)} \rightarrow \text{Cu}_{(s)} + \text{H}_2\text{O}_{(l)}$

4.  $3\text{Fe}_{(s)} + 4\text{H}_2\text{O}_{(g)} \rightarrow \text{Fe}_3\text{O}_{4(s)} + 4\text{H}_2_{(g)}$

Question ID : 75322920134

Status : Answered

Chosen Option : 2

Q.22 Which of the following represents a homologous series?

Ans  1.  $\text{HCOOH}, \text{CH}_3\text{CHO}, \text{CH}_3\text{CH}_2\text{CHO}$

2.  $\text{CH}_3\text{OH}, \text{CH}_3\text{CHO}, \text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$

3.  $\text{HCHO}, \text{CH}_3\text{CHO}, \text{CH}_3\text{CH}_2\text{CHO}$

4.  $\text{HCHO}, \text{CH}_3\text{CHO}, \text{CH}_3\text{COCH}_3$

Question ID : 75322920136

Status : Answered

Chosen Option : 1

Q.23 What mass of hydrogen gas would be required to completely react with 8 g of oxygen gas to form water?

Ans  1. 1 g

2. 4 g

3. 8 g

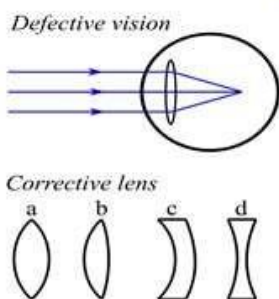
4. 2 g

Question ID : 75322920137

Status : Answered

Chosen Option : 2

Q.24 Which kind of lens can correct the defective vision in the given figure?



- Ans
- 1. Lens type b
  - 2. Lens type c
  - 3. Lens type a
  - 4. Lens type d

Question ID : 75322920129

Status : Answered

Chosen Option : 4

Q.25 What is the chemical formula of a salt formed by the reaction between aluminium hydroxide and acetic acid?

- Ans
- 1.  $\text{CH}_3\text{COOAl}$
  - 2.  $\text{Al}_2(\text{C}_2\text{O}_4)_3$
  - 3.  $(\text{CH}_3\text{COO})_3\text{Al}$
  - 4.  $\text{AlCl}_3$

Question ID : 75322920133

Status : Answered

Chosen Option : 3

Q.26 An object is placed on the principal axis of a lens of power  $-10.0\text{ D}$ , at a distance of  $30\text{ cm}$  from it. The image is formed at a distance of \_\_\_\_\_ from the lens and is \_\_\_\_\_.

- Ans
- 1.  $7.5\text{ cm}$ ; real
  - 2.  $15.0\text{ cm}$ ; virtual
  - 3.  $7.5\text{ cm}$ ; virtual
  - 4.  $15.0\text{ cm}$ ; real

Question ID : 75322920141

Status : Answered

Chosen Option : 4



**Q.27** A ray of light passes from a slab of glass (refractive index 1.50) to water (refractive index 1.33). The ratio ( $v_1/v_2$ ) of speed of light in glass ( $v_1$ ) to that in water ( $v_2$ ) is \_\_\_\_\_ and the ray bends \_\_\_\_\_ the normal after refraction.

- Ans
- 1. 0.89; away from
  - 2. 1.13; away from
  - 3. 0.89; towards
  - 4. 1.13; towards

Question ID : 75322920140  
Status : Answered  
Chosen Option : 2

**Q.28** A  $10\ \Omega$  resistor is connected across a battery. The heat produced in the resistor per second is 40 J. The potential difference across the resistor is:

- Ans
- 1. 5 V
  - 2. 20 V
  - 3. 15 V
  - 4. 10 V

Question ID : 75322920144  
Status : Answered  
Chosen Option : 2

**Q.29** The sun is visible to us about \_\_\_\_\_ before the actual sunrise and about \_\_\_\_\_ after the actual sunset because of atmospheric refraction.

- Ans
- 1. 1 minute; 1 minute
  - 2. 1 minute; 2 minutes
  - 3. 2 minutes; 2 minutes
  - 4. 2 minutes; 1 minute

Question ID : 75322920142  
Status : Answered  
Chosen Option : 4

**Q.30** An object is placed at 3.6 m in front of a convex mirror of focal length 1.2 m. Following New Cartesian Sign Convention, the image formed at  $v =$  \_\_\_\_\_.

- Ans
- 1.  $-0.9\ \text{m}$
  - 2.  $-1.8\ \text{m}$
  - 3.  $+1.8\ \text{m}$
  - 4.  $+0.9\ \text{m}$

Question ID : 75322920139  
Status : Answered  
Chosen Option : 2

Q.31 We honour the memory of Amrita Devi Bishnoi who dedicated her life to: \_\_\_\_\_.

Ans  1.

establish the rights of tribals living in forest areas to use tendu leaves to make bidis for a living

2.

bring awareness of water pollution of Ganga and motivated the Ganga Action Plan

3.

protect a stand of trees from being chopped down to provide timber for construction of a palace

4.

provide justice to people displaced by mega hydroelectric projects like Sardar Sarovar Dam

Question ID : 75322920128

Status : Answered

Chosen Option : 1

Q.32 Two resistors, each of  $30\ \Omega$  are connected in parallel. The combination is connected in series to a third resistor of  $30\ \Omega$ .  
The equivalent resistance of this arrangement is:

Ans  1.  $20\ \Omega$

2.  $10\ \Omega$

3.  $45\ \Omega$

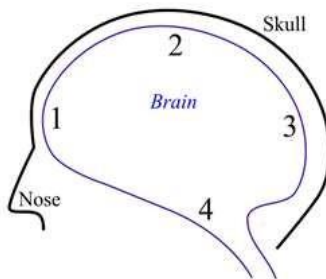
4.  $90\ \Omega$

Question ID : 75322920143

Status : Answered

Chosen Option : 4

Q.33 Which of the following numbers marks the position of the cerebrum in the human brain?



Ans  1. Position 3

2. Position 2

3. Position 1

4. Position 4

Question ID : 75322920131

Status : Answered

Chosen Option : 1

Q.34 Which of the following will happen when an aqueous solution of ammonium chloride is tested with a litmus solution?

- Ans  1. It will turn red litmus blue.  
 2. It will turn blue litmus red.  
 3. It will turn blue litmus into a darker shade of blue.  
 4. It will not affect the colour of litmus.

Question ID : 75322920135  
 Status : Answered  
 Chosen Option : 2

Q.35 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. When the first drops fell, they started dancing in joy.  
 B. Dark clouds could be seen approaching from the east  
 C. It seemed they had got a new lease of life.  
 D. The farmers had been waiting for the rain anxiously.

- Ans  1. BDAC  
 2. ABDC  
 3. CADB  
 4. DCBA

Question ID : 75322920157  
 Status : Not Answered  
 Chosen Option : --

Q.36 Select the most appropriate ANTONYM of the given word

Forbid

- Ans  1. Admit  
 2. Ban  
 3. Stop  
 4. Deny

Question ID : 75322920150  
 Status : Answered  
 Chosen Option : 2

Q.37 Select the most appropriate option to fill in the blank

There is a lot of \_\_\_\_\_ in his drawing room.

- Ans  1. furnishings  
 2. furnish  
 3. furniture  
 4. furnitures

Question ID : 75322920146  
 Status : Answered  
 Chosen Option : 1

**Q.38 Select the most appropriate article to fill in the blanks**

\_\_\_\_\_ water is \_\_\_\_\_ precious resource which must be saved.

- Ans  1. A; the  
 2. No article; No article  
 3. The; a  
 4. No article; a

Question ID : 75322920149  
 Status : Answered  
 Chosen Option : 3

**Q.39 Select the most appropriate synonym of the given word**

**Adverse**

- Ans  1. Advantageous  
 2. Helpful  
 3. Beneficial  
 4. Unfavourable

Question ID : 75322920151  
 Status : Answered  
 Chosen Option : 2

**Q.40 Select the most appropriate meaning of the given idiom**

**Fit as a fiddle**

- Ans  1. A well-fitting dress  
 2. In very good health  
 3. A musical quality  
 4. A very lean figure

Question ID : 75322920152  
 Status : Answered  
 Chosen Option : 1

**Q.41 Select the most appropriate meaning of the given proverb**

**A leopard can't change its spots**

- Ans  1. One's innate nature doesn't change  
 2. One can't deceive others easily  
 3. One should accept one's faults  
 4. One can't change one's looks

Question ID : 75322920153  
 Status : Answered  
 Chosen Option : 2

Q.42 Select the option that can be used as a one-word substitute for the given group of words.

Something which is impossible to read

- Ans  1. Illiterate  
 2. Illegal  
 3. Illegible  
 4. Illicit

Question ID : 75322920155

Status : Answered

Chosen Option : 1

Q.43 Select the option that can be used as a one-word substitute for the given group of words.

A five-sided polygon

- Ans  1. Pentagon  
 2. Hexagon  
 3. Rectangle  
 4. Rhombus

Question ID : 75322920156

Status : Answered

Chosen Option : 1

Q.44 Select the most appropriate article to fill in the blank

Lack of education is one of \_\_\_\_\_ most important reasons for poverty

- Ans  1. No article  
 2. a  
 3. the  
 4. an

Question ID : 75322920148

Status : Answered

Chosen Option : 3

Q.45 Select the most appropriate option to fill in the blank

She \_\_\_\_\_ quite tall in the past one year.

- Ans  1. has grown  
 2. grow  
 3. grows  
 4. grew

Question ID : 75322920147

Status : Answered

Chosen Option : 1

**Q.46** Select the option that can be used as a one-word substitute for the given group of words.

A valley with steep sides of rock

- Ans  1. Canyon  
 2. Plateau  
 3. Island  
 4. Gulf

Question ID : 75322920154  
 Status : Answered  
 Chosen Option : 2

**Q.47** Select the most appropriate option to fill in the blank

The sky grew dark \_\_\_\_\_ and it started pouring

- Ans  1. suddenly  
 2. seriously  
 3. simply  
 4. severely

Question ID : 75322920145  
 Status : Answered  
 Chosen Option : 1

**Comprehension:**

Read the given passage and answer the questions that follow

Each day is a chance to invest in life; a chance to renew yourself, to shed yesterday's skin, to unburden yourself to get rid of yesterday's hurt. Be glad of life each day as it gives you a chance to work, love and play, and to look at the sun. And then when the sun sets, don't cry- the tears will make you miss the beauty of the stars.

Life moves on and if you don't stop and look at the wonders already present in your life, you will miss life altogether.

Think of big thoughts but relish the small joys life offers you each day. Maybe it's as simple as smiling at someone. For, that could be the last day of life – for you or for the other person.

A small genuine act from you will cost you nothing but it could mean everything to somebody that day. Life is a succession of moments. Live each moment. Life has no romance without risk. All actions carry some amount of risk, may be less or more, but the element of risk is always present.

If there is no wind, row. Make things happen rather than let things happen. One can give nothing whatsoever without giving oneself, risking oneself. The most important thing in life is not what you get but what you give.

**SubQuestion No : 48**

**Q.48** What is meant by 'a small genuine act'?

- Ans  1. A selfish act  
 2. An act of heroism  
 3. An act of kindness  
 4. A romantic act

Question ID : 75322920161  
 Status : Answered  
 Chosen Option : 1

**Comprehension:**

Read the given passage and answer the questions that follow.

Each day is a chance to invest in life; a chance to renew yourself, to shed yesterday's skin, to unburden yourself to get rid of yesterday's hurt. Be glad of life each day as it gives you a chance to work, love and play, and to look at the sun. And then when the sun sets, don't cry- the tears will make you miss the beauty of the stars.

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**SubQuestion No : 49**

**Q.49 Which of the following statements is NOT true?**

- Ans  1. It is more important to get than to give.
2. Risk is a part of life.
3. We must enjoy small joys in life.
4. There is beauty in both, the day and the night.

Question ID : 75322920160

Status : Answered

Chosen Option : 4

**Comprehension:**

Read the given passage and answer the questions that follow .

Each day is a chance to invest in life; a chance to renew yourself, to shed yesterday's skin, to unburden yourself to get rid of yesterday's hurt. Be glad of life each day as it gives you a chance to work, love and play, and to look at the sun. And then when the sun sets, don't cry- the tears will make you miss the beauty of the stars.

Life moves on and if you don't stop and look at the wonders already present in your life, you will miss life altogether.

Think of big thoughts but relish the small joys life offers you each day. Maybe it's as simple as smiling at someone. For, that could be the last day of life – for you or for the other person.

A small genuine act from you will cost you nothing but it could mean everything to somebody that day. Life is a succession of moments. Live each moment. Life has no romance without risk. All actions carry some amount of risk, may be less or more, but the element of risk is always present.

If there is no wind, row. Make things happen rather than let things happen. One can give nothing whatsoever without giving oneself, risking oneself. The most important thing in life is not what you get but what you give.

**SubQuestion No : 50**

**Q.50 Why should we be grateful for each day?**

- Ans  1. It gives us a chance to live, love and work each day.
2. Each day gives us more energy.
3. We grow wiser with each passing day.
4. We can take new risks.

Question ID : 75322920159

Status : Answered

Chosen Option : 1

Q.1 Which of the following dynasties is known to be the first Deccanese dynasty to build an empire in Dakshinapatha—i.e., the southern region?

- Ans  1. Pandyan Dynasty  
 2. Chola Dynasty  
 3. Pallava Dynasty  
 4. Satavahana dynasty

Question ID : 75322920165  
Status : Answered  
Chosen Option : 2

Q.2 Muhammad ibn Tughluq was the \_\_\_\_\_ sultan of the Tughluq dynasty.

- Ans  1. third  
 2. second  
 3. fourth  
 4. first

Question ID : 75322920166  
Status : Answered  
Chosen Option : 2

Q.3 The Lalit Kala Akademi was inaugurated in New Delhi in the year \_\_\_\_\_.

- Ans  1. 1954  
 2. 1961  
 3. 1966  
 4. 1978

Question ID : 75322920169  
Status : Answered  
Chosen Option : 1

Q.4 The Veligallu Dam Reservoir Project is an irrigation project across \_\_\_\_\_.

- Ans  1. Godavari River  
 2. Papagni River  
 3. Tammileru River  
 4. Cheyyeru River

Question ID : 75322920172  
Status : Answered  
Chosen Option : 1



Q.5 National Commission for Backward Classes (NCBC) was initially constituted by the Central Government through the National Commission for Backward Classes Act in the year \_\_\_\_\_.

- Ans
- 1. 1992
  - 2. 1991
  - 3. 1993
  - 4. 1994

Question ID : 75322920178  
Status : Answered  
Chosen Option : 3

Q.6 Famous classical singer Gangubai Hangal belongs to which of the communities of performers who share a distinctive musical style?

- Ans
- 1. Kirana gharana
  - 2. Bhendibazaar gharana
  - 3. Rampur-Sahaswan gharana
  - 4. Mewati gharana

Question ID : 75322920170  
Status : Answered  
Chosen Option : 2

Q.7 Who among the following cricket players is associated with the book called "The Test of My Life From Cricket to Cancer and Back"?

- Ans
- 1. Brian Lara
  - 2. Yuvraj Singh
  - 3. Ricky Ponting
  - 4. Kapil Dev

Question ID : 75322920164  
Status : Answered  
Chosen Option : 2

Q.8 Barabar Caves are in which of the following states?

- Ans
- 1. Karnataka
  - 2. Telangana
  - 3. Odisha
  - 4. Bihar

Question ID : 75322920168  
Status : Answered  
Chosen Option : 3

Q.9 Interpreted, object-oriented, and high-level programming language Python was developed by \_\_\_\_\_.

- Ans  1. Bjarne Stroustrup  
 2. Guido van Rossum  
 3. Larry Wall  
 4. James Gosling

Question ID : 75322920162  
Status : Answered  
Chosen Option : 4

Q.10 The Central Pollution Control Board (CPCB) statutory organisation was constituted in \_\_\_\_\_.

- Ans  1. 1974  
 2. 1976  
 3. 1973  
 4. 1975

Question ID : 75322920163  
Status : Answered  
Chosen Option : 2

Q.11 What is the approximate total length of the coastline of India including that of Lakshadweep and Andaman and Nicobar Islands?

- Ans  1. 7,517 km  
 2. 9,517 km  
 3. 8,517 km  
 4. 6,517 km

Question ID : 75322920173  
Status : Answered  
Chosen Option : 2

Q.12 In which of the following years Mother Teresa died?

- Ans  1. 1997  
 2. 1996  
 3. 1998  
 4. 1995

Question ID : 75322920167  
Status : Answered  
Chosen Option : 3

Q.13 Defence allocation in the budget has been increased to \_\_\_\_\_ crores for the Financial Year 2021-22.

- Ans
- 1. ₹7,78,195.62
  - 2. ₹6,78,195.62
  - 3. ₹5,78,195.62
  - 4. ₹4,78,195.62

Question ID : 75322920171  
Status : Answered  
Chosen Option : 2

Q.14 As per the OXFAM India data, (2011 census) the average literacy rate in India stands at \_\_\_\_\_.

- Ans
- 1. 54.04%
  - 2. 64.04%
  - 3. 44.04%
  - 4. 74.04%

Question ID : 75322920174  
Status : Answered  
Chosen Option : 2

Q.15 As per the Annual Report 2020-21 published by the Ministry of Micro, Small and Medium Enterprises, which of the following states had the largest number of estimated MSMEs with a share of 14.20% of MSMEs in the country?

- Ans
- 1. Chhattisgarh
  - 2. Karnataka
  - 3. Uttar Pradesh
  - 4. Maharashtra

Question ID : 75322920175  
Status : Answered  
Chosen Option : 3

Q.16 By which of the following amendment of the Constitution in 1973, the seats in Lok Sabha were increased from 500 to 525?

- Ans
- 1. The 31st Amendment to the Constitution
  - 2. The 30th Amendment to the Constitution
  - 3. The 32nd Amendment to the Constitution
  - 4. The 33rd Amendment to the Constitution

Question ID : 75322920177  
Status : Answered  
Chosen Option : 2

**Q.17** Which of the following articles of the Indian Constitution deals with Equality of opportunity in matters of public employment?

- Ans  1. 16  
 2. 17  
 3. 18  
 4. 15

Question ID : 75322920176  
 Status : Answered  
 Chosen Option : 1

**Q.18** What approximate value should come in place of the question mark (?) in the following expression?

$$4.999^{2.99} + 23.988 - 19.002 = ?$$

- Ans  1. 139  
 2. 90  
 3. 29  
 4. 130

Question ID : 75322920194  
 Status : Answered  
 Chosen Option : 1

**Q.19** Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

VK \_ P KT \_ V TNP

- Ans  1. TNVKPK  
 2. TNVNPk  
 3. KNTVPK  
 4. TNNVPK

Question ID : 75322920183  
 Status : Answered  
 Chosen Option : 2

**Q.20** 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 pears are apples.  
All apples are grapes.  
All grapes are fruits.

**Conclusions:**

I. All pears are fruits.  
II. Some fruits are apples.

- Ans**
- 1. Only conclusion I follows.
  - 2. Both conclusions I and II follow.
  - 3. Neither conclusion I nor II follows.
  - 4. Only conclusion II follows.

Question ID : 75322920181

Status : Answered

Chosen Option : 1

**Q.21** Which two signs should be interchanged to make the following equation correct?

$$169 \div 13 - 18 \times 4 + 5 = 15$$

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

Question ID : 75322920195

Status : Not Attempted and Marked For Review

Chosen Option : --

**Q.22** Read the given statements and conclusions carefully. Find out which of the given conclusions is/are true based on the statements.

**Statements:**

$P = Q \geq R > M$   
 $R < T \leq L$

**Conclusions:**

I.  $L \geq M$   
II.  $T > Q$

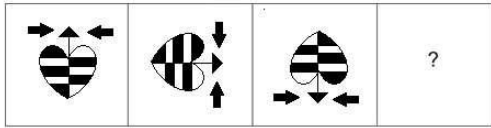
- Ans**
- 1. Neither conclusion I nor II is true.
  - 2. Only conclusion I is true.
  - 3. Both conclusions I and II are true.
  - 4. Only conclusion II is true.

Question ID : 75322920182

Status : Answered

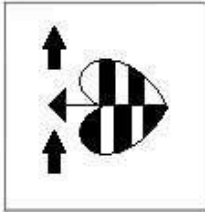
Chosen Option : 4

**Q.23** Select the figure from among the given options that can replace the question mark (?) in the following series.

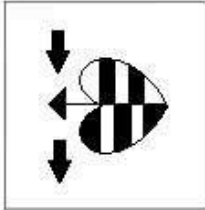


Ans

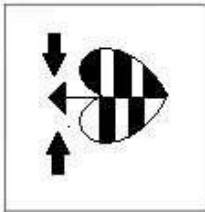
✗ 1.



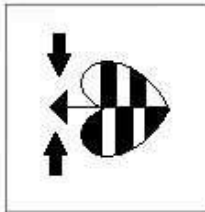
✗ 2.



✗ 3.



✓ 4.



Question ID : 75322920190

Status : Answered

Chosen Option : 4

**Q.24** Select the option that is related to the fifth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

PDLG : SFOI :: FTMN : IVPP :: NKVH : ?

Ans ✗ 1. PNXK

✓ 2. QMYJ

✗ 3. QNYK

✗ 4. PMXJ

Question ID : 75322920189

Status : Not Answered

Chosen Option : --

**Q.25** Six girls K, G, N, P, U and T are sitting around a circular table facing towards the center. G is sitting to the immediate right of T and second to the left of U. N and U are immediate neighbours of K. Who is sitting second to the right of T?

- Ans**
- 1. P
  - 2. K
  - 3. U
  - 4. N

Question ID : 75322920179

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.26** In a certain code language, 'LOTUS' is written as MRUXT, and 'TULIP' is written as UXMLQ. How will 'DAISY' be written in that language?

- Ans**
- 1. GBLTB
  - 2. EDJUZ
  - 3. FDKVZ
  - 4. EDJVZ

Question ID : 75322920185

Status : **Answered**

Chosen Option : 4

**Q.27** Select the option that is related to the fifth letter-cluster in the same way as the first letter-cluster is related to the second letter-cluster and the third letter-cluster is related to the fourth letter-cluster.

NKD : EMQ :: GWP : QYJ :: SLN : ?

- Ans**
- 1. PMV
  - 2. OMU
  - 3. ONW
  - 4. ONV

Question ID : 75322920188

Status : **Answered**

Chosen Option : 4

**Q.28** In a certain code language, 'RED' is written as 6, and 'PINK' is written as 8. How will 'YELLOW' be written in that language?

- Ans**
- 1. 12
  - 2. 14
  - 3. 10
  - 4. 11

Question ID : 75322920184

Status : **Answered**

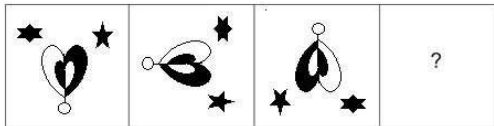
Chosen Option : 1

**Q.29** Six boxes M, N, O, P, Q and R are placed one above the other. The lowermost box is numbered 1, the box above it is numbered 2, and so on. Only three boxes are kept below box M. Box N is kept just above box Q. Box P is kept just below box R, which is box number 3.  
Which box is kept at the bottom?

- Ans**
- 1. Box N
  - 2. Box P
  - 3. Box Q
  - 4. Box O

Question ID : 75322920180  
 Status : Answered  
 Chosen Option : 4

**Q.30** Select the figure from among the given options that can replace the question mark (?) in the following series.



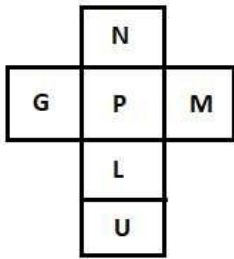
**Ans**

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

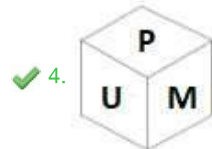
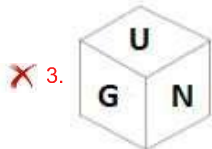
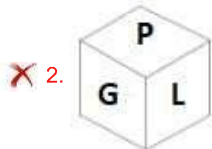
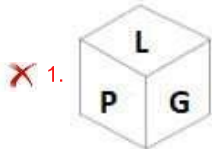
Question ID : 75322920191  
 Status : Answered  
 Chosen Option : 1



Q.31 Select the cube that CANNOT be formed by folding the given sheet along the lines.



Ans



Question ID : 75322920192

Status : Answered

Chosen Option : 4

Q.32 Select the number from among the given options that can replace the question mark (?) in the following series.

35, 43, 55, 71, ?

Ans ✗ 1. 79

✗ 2. 87

✗ 3. 83

✓ 4. 91

Question ID : 75322920193

Status : Answered

Chosen Option : 4

Q.33 C is the son of D's brother K. L is the wife of P, who is the father of D. N is the son of V and D.

How is C related to P?

- Ans
- 1. Daughter's son
  - 2. Son's son
  - 3. Son
  - 4. Brother

Question ID : 75322920187

Status : Answered

Chosen Option : 2

Q.34 In a certain code language,

'A + B' means 'A is the brother of B',

'A - B' means 'A is the father of B',

'A × B' means 'A is the mother of B',

'A & B' means 'A is the son of B'.

Based on the above, how is P related to K if 'P - Q - N & M × T + K'?

- Ans
- 1. Mother's father
  - 2. Father
  - 3. Brother
  - 4. Father's father

Question ID : 75322920186

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.35 Select the most appropriate option to fill in the blank

This weekend I \_\_\_\_\_ so don't make any plans

- Ans
- 1. will have worked
  - 2. will be working
  - 3. work
  - 4. worked

Question ID : 75322920199

Status : Answered

Chosen Option : 2

Q.36 Select the most appropriate option to fill in the blank

She kept running \_\_\_\_\_ her lines to memorise them.

- Ans  1. across  
 2. about  
 3. down  
 4. over

Question ID : 75322920197  
 Status : Answered  
 Chosen Option : 4

Q.37 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. For instance, they can solve the most complex mathematical problems.  
 B. They can also put large unrelated data in order.  
 C. These machines can be put to varied uses.  
 D. Computers are capable of doing extremely complicated work in all branches of learning.

- Ans  1. CBDA  
 2. CABD  
 3. DBAC  
 4. DCAB

Question ID : 75322920206  
 Status : Answered  
 Chosen Option : 4

Q.38 Select the most appropriate synonym of the given word

Beguile

- Ans  1. Resume  
 2. Decline  
 3. Revert  
 4. Delude

Question ID : 75322920201  
 Status : Answered  
 Chosen Option : 1

Q.39 Select the most appropriate meaning of the given idiom

Smell a rat

- Ans  1. Have an unpleasant experience  
 2. Live in unhygienic conditions  
 3. Look for clues to solve a mystery  
 4. Suspect something is wrong

Question ID : 75322920203  
 Status : Answered  
 Chosen Option : 2

Q.40 Select the most appropriate meaning of the given idiom

Butterflies in the stomach

- Ans  1. To be nervous  
 2. To be happy  
 3. To be unwell  
 4. To be jealous

Question ID : 75322920202  
Status : Answered  
Chosen Option : 2

Q.41 Select the most appropriate ANTONYM of the given word

Grandeur

- Ans  1. Dignity  
 2. Simplicity  
 3. Gravity  
 4. Greatness

Question ID : 75322920200  
Status : Answered  
Chosen Option : 2

Q.42 Select the most appropriate option to fill in the blank

I \_\_\_\_\_ that you would like the movie I had recommended.

- Ans  1. was knowing  
 2. know  
 3. had known  
 4. knew

Question ID : 75322920198  
Status : Answered  
Chosen Option : 3

Q.43 Select the option that can be used as a one-word substitute for the given group of words.

Holding an office without receiving a salary

- Ans  1. Freelance  
 2. Sinecure  
 3. Honorary  
 4. Executive

Question ID : 75322920204  
Status : Answered  
Chosen Option : 3

Q.44 Select the most appropriate option to fill in the blank

She was lucky to have her \_\_\_\_\_ support all along.

- Ans  1. parent  
 2. parent's  
 3. parents'  
 4. parents

Question ID : 75322920196  
Status : Answered  
Chosen Option : 2

Q.45 Select the option that can be used as a one-word substitute for the given group of words.

A person who is trained for travelling into space

- Ans  1. Hypnotist  
 2. Scientist  
 3. Astronaut  
 4. Analyst

Question ID : 75322920205  
Status : Answered  
Chosen Option : 3

**Comprehension:**

Read the given passage and answer the questions that follow.

Dr. APJ Abdul Kalam, the Eleventh President of India, was a great scientist, teacher and writer. He had written many books like 'Ignited Minds,' 'India 2020,' 'Mission India' and 'Wings of Fire'. He was a source of inspiration for the young and old alike. Here is an extract from 'Wings of Fire' which depicts his early life in his own words.

My parents, Jainulabdeen and Ashiamma were widely regarded as an ideal couple. My mother's lineage was the more distinguished, one of her forebears having been bestowed the title of 'BAHUDUR' by the British. I normally ate with my mother, sitting on the floor of the kitchen. She would place a banana leaf before me, on which she had ladled rice and aromatic sambhar, a variety of sharp home-made pickles and a dollop of fresh coconut chutney.

The famous Shiva temple, which made Rameswaram so sacred to pilgrims was about a ten-minute walk from our house. Our locality was predominantly Muslim, but there were quite a few Hindu families too, living amicably with their Muslim neighbours. There was a very old mosque in our locality where my father would take me for evening prayers. I had not the faintest idea of the meaning of the Arabic prayers chanted, but I was totally convinced that they reached God. When my father came out of the mosque after the prayers, people of different religions would be sitting outside, waiting for him. Many of them offered bowls of water to my father who would dip his fingers in them and say a prayer. This water was then carried home for invalids. I also remember people visiting our home to offer thanks after being cured. My father always smiled and asked them to thank Allah, the benevolent and merciful. The high priest of Rameswaram Temple, Pakshi Lakshmana, was a very 'close friend of my father'. One of the most vivid memories of my childhood is of the two men, each in his traditional attire, discussing spiritual matters.

When I was old enough to ask questions I asked my father about the relevance of prayer.

"When you pray" he said, "you transcend your body and become a part of the cosmos which knows no division of wealth, age, caste or creed."

**SubQuestion No : 46**

**Q.46 The water in which Kalam's father dipped his fingers was believed:**

- Ans  1. to bless couples
2. to atone for sins
3. to bring prosperity
4. to cure the sick

Question ID : 75322920209

Status : Answered

Chosen Option : 4

**Comprehension:**

Read the given passage and answer the questions that follow.

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**SubQuestion No : 47**

**Q.47 Which of the following statements is NOT true?**

- Ans  1. Kalam's father was a devout Muslim.
2. Hindu and Muslims lived amicably together.
3. There was an old mosque in Kalam's locality.
4. Rameswaram is a famous temple dedicated to Lord Ram.

Question ID : 75322920210

Status : Answered

Chosen Option : 4

**Comprehension:**

Read the given passage and answer the questions that follow.

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"When you pray" he said, "you transcend your body and become a part of the cosmos which knows no division of wealth, age, caste or creed."

**SubQuestion No : 48**

**Q.48** The extract in the passage is taken from Kalam's:

- Ans  1. Ignited Minds  
 2. India 2020  
 3. Wings of Fire  
 4. Mission India

Question ID : 75322920208

Status : Answered

Chosen Option : 3



**Comprehension:**

Read the given passage and answer the questions that follow.

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When I was old enough to ask questions I asked my father about the relevance of prayer. "When you pray" he said, "you transcend your body and become a part of the cosmos which knows no division of wealth, age, caste or creed."

**SubQuestion No : 49**

**Q.49 Kalam's mother usually served him meals:**

- Ans  1. in a metal bowl
2. on a banana leaf
3. in a coconut kernel
4. on a paper plate

Question ID : 75322920211

Status : Answered

Chosen Option : 2

**Comprehension:**

Read the given passage and answer the questions that follow.

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"When you pray" he said, "you transcend your body and become a part of the cosmos which knows no division of wealth, age, caste or creed."

**SubQuestion No : 50**

**Q.50** Who discussed spiritual matters with Pakshi Lakshmana?

- Ans
- 1. Abdul Kalam
  - 2. Jainulabdeen
  - 3. Ashiamma
  - 4. The high priest of Rameswaram temple

Question ID : 75322920212

Status : Answered

Chosen Option : 2