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AAI
Jr. Assistant
Previous Year Paper
(Fire Service)
15 Nov 2022 Shift 2



AAI SR 2022 15th November 2022

Participant ID	
Participant Name	
Test Center Name	
Test Date	15/11/2022
Test Time	12:30 PM - 2:30 PM
Subject	Junior Assistant (Fire Service) NE 4

Section : Domain section

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

Ans

1. $13\frac{1}{2}$

2. $15\frac{1}{2}$

3. $14\frac{1}{2}$

4. $20\frac{1}{2}$

Question ID : 75322920119

Status : Answered

Chosen Option : 4

Q.2 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 $(\sec^2\theta + \cosec^2\theta) \div (\sec^2\theta - \cosec^2\theta)$?

Ans

1. $1\frac{2}{3}$

2. $1\frac{1}{8}$

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

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

Question ID : 75322920118

Status : Answered

Chosen Option : 2

Q.3 In $\triangle ABC$, $\angle ABC = 135^\circ$, $AB = 8\sqrt{2}$ cm and $BC = 7$ cm. What is the length of side AC?

Ans

1. $15\sqrt{2}$ cm

2. 17 cm

3. $18\sqrt{2}$ cm

4. 18 cm

Question ID : 75322920126

Status : Answered

Chosen Option : 2

- Q.4** 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. 97
 2. 121
 3. 123
 4. 126

Question ID : 75322920113

Status : Answered

Chosen Option : 2

- 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 cm^3) of the remaining part of the cone? (Take $\pi = \frac{22}{7}$)

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

Question ID : 75322920124

Status : Answered

Chosen Option : 2

- Q.6** 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 (α, β) and (γ, δ) respectively, then the value of $(\alpha + 2\beta - 3\gamma - \delta)$ is:

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

Question ID : 75322920121

Status : Answered

Chosen Option : 2

- Q.7** 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. 1.5
 2. 1.8
 3. 1.6
 4. 2

Question ID : 75322920115

Status : Answered

Chosen Option : 2

- Q.8** From the top of a tower, two boats on the same side of the tower are observed at angles of depression of 30° and 60° , 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. $\frac{k}{2}$

3. $2k$

4. k

Question ID : 75322920120

Status : Answered

Chosen Option : 2

- Q.9** 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 $9\frac{1}{3}$ cm. What is curved surface area (in cm^2) of the cylinder?

Ans 1. $\frac{448}{3}\pi$

2. $\frac{896}{3}\pi$

3. 168π

4. 112π

Question ID : 75322920125

Status : Answered

Chosen Option : 2

- Q.10** 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. $\frac{10}{3}$

2. $\frac{12}{3}$

3. $\frac{11}{4}$

4. $\frac{3}{7}$

Question ID : 75322920117

Status : Answered

Chosen Option : 2

- Q.11** 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. $\frac{1}{18}$

✗ 2. $\frac{1}{9}$

✗ 3. $\frac{4}{9}$

✗ 4. $\frac{1}{6}$

Question ID : 75322920122

Status : Answered

Chosen Option : 1

- Q.12** In $\triangle ABC$, $\angle A = 2\angle B$. 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. $4\sqrt{5}$ cm

✓ 2. $2\sqrt{10}$ cm

✗ 3. $6\sqrt{5}$ cm

✗ 4. $\sqrt{10}$ cm

Question ID : 75322920127

Status : Answered

Chosen Option : 2

- Q.13** 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 : Answered

Chosen Option : 2

- Q.14** In an arithmetic progression, the sum of the 3rd, 4th and 5th terms is 12. What is the sum of the first 7 terms?

Ans

✗ 1. 32

✗ 2. 24

✗ 3. 26

✓ 4. 28

Question ID : 75322920116

Status : Answered

Chosen Option : 2



- Q.15** The cost of 5 notebooks and 4 pens is ₹142. The cost of 7 notebooks and 3 pens is ₹28 less than the cost of 9 notebooks and 1 pen. What is the cost of 4 notebooks and 5 pens?

- Ans 1. ₹150
 2. ₹136
 3. ₹144
 4. ₹128

Question ID : 75322920114

Status : Answered

Chosen Option : 2

- Q.16** 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. 18
 2. 20
 3. 16
 4. 15

Question ID : 75322920123

Status : Answered

Chosen Option : 2

- Q.17** 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. 1756
 2. 878
 3. 2195
 4. 2634

Question ID : 75322920112

Status : Answered

Chosen Option : 2

- Q.18** What mass of hydrogen gas would be required to completely react with 8 g of oxygen gas to form water?

- Ans 1. 8 g
 2. 2 g
 3. 1 g
 4. 4 g

Question ID : 75322920137

Status : Answered

Chosen Option : 4

- Q.19** 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. 1.13; towards
 - 2. 0.89; towards
 - 3. 1.13; away from
 - 4. 0.89; away from

Question ID : 75322920140

Status : Answered

Chosen Option : 2

- Q.20** We honour the memory of Amrita Devi Bishnoi who dedicated her life to: _____.

- Ans**
- 1. provide justice to people displaced by mega hydroelectric projects like Sardar Sarovar Dam
 - 2. protect a stand of trees from being chopped down to provide timber for construction of a palace
 - 3. bring awareness of water pollution of Ganga and motivated the Ganga Action Plan
 - 4. establish the rights of tribals living in forest areas to use tendu leaves to make bidis for a living

Question ID : 75322920128

Status : Answered

Chosen Option : 2

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

- Ans**
- 1. $3\text{Fe}_{(\text{s})} + 4\text{H}_2\text{O}_{(\text{g})} \rightarrow \text{Fe}_3\text{O}_{4(\text{s})} + 4\text{H}_2\text{g}$
 - 2. $\text{MnO}_{2(\text{s})} + 4\text{HCl}_{(\text{aq})} \rightarrow \text{MnCl}_{2(\text{aq})} + 2\text{H}_2\text{O}_{(\text{l})} + \text{Cl}_{2(\text{g})}$
 - 3. $\text{CuO}_{(\text{s})} + \text{H}_2\text{g} \rightarrow \text{Cu}_{(\text{s})} + \text{H}_2\text{O}_{(\text{l})}$
 - 4. $\text{CaO}_{(\text{s})} + \text{H}_2\text{O}_{(\text{l})} \rightarrow \text{Ca(OH)}_2\text{aq}$

Question ID : 75322920134

Status : Answered

Chosen Option : 2

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

- Ans**
- 1. HCHO , CH_3CHO , $\text{CH}_3\text{CH}_2\text{CHO}$
 - 2. CH_3OH , CH_3CHO , $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$
 - 3. HCOOH , CH_3CHO , $\text{CH}_3\text{CH}_2\text{CHO}$
 - 4. HCHO , CH_3CHO , CH_3COCH_3

Question ID : 75322920136

Status : Answered

Chosen Option : 2

Q.23 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 : 4

Q.24 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 $v = \underline{\hspace{2cm}}$.

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

Question ID : 75322920139

Status : Answered

Chosen Option : 2

Q.25 In a compound having molecular formula XY, element 'X' belongs to the 3rd period and the 2nd group, whereas, element 'Y' belongs to the 2nd period and the 16th group. What is the relative molecular mass of the compound XY?

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

Question ID : 75322920138

Status : Answered

Chosen Option : 2

Q.26 Two resistors, each of 30Ω are connected in parallel. The combination is connected in series to a third resistor of 30Ω .

The equivalent resistance of this arrangement is:

- Ans 1. 20Ω
2. 90Ω
3. 45Ω
4. 10Ω

Question ID : 75322920143

Status : Answered

Chosen Option : 2

Q.27 Which molecules are believed to be absent in the atmosphere of the Earth before living cells were formed?

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

Question ID : 75322920130

Status : Answered

Chosen Option : 4

Q.28 An object is placed on the principal axis of a lens of power -10.0 D , at a distance of 30 cm from it. The image is formed at a distance of _____ from the lens and is _____.

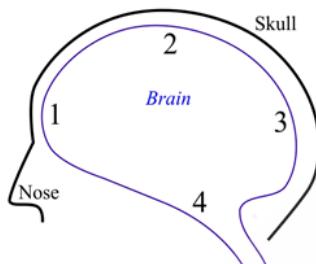
- Ans 1. 7.5 cm ; real
 2. 7.5 cm ; virtual
 3. 15.0 cm ; real
 4. 15.0 cm ; virtual

Question ID : 75322920141

Status : Answered

Chosen Option : 2

Q.29 Which of the following numbers marks the position of the cerebrum in the human brain?



- Ans 1. Position 1
 2. Position 3
 3. Position 4
 4. Position 2

Question ID : 75322920131

Status : Answered

Chosen Option : 2

Q.30 Which of the following will happen when an aqueous solution of ammonium chloride is tested with a litmus solution?

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

Question ID : 75322920135

Status : Answered

Chosen Option : 2

Q.31 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; 2 minutes
 2. 2 minutes; 2 minutes
 3. 1 minute; 1 minute
 4. 2 minutes; 1 minute

Question ID : 75322920142

Status : Answered

Chosen Option : 2

Q.32 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. 15 V
 3. 10 V
 4. 20 V

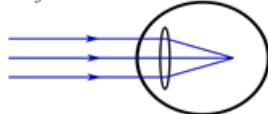
Question ID : 75322920144

Status : Answered

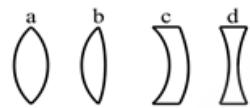
Chosen Option : 2

Q.33 Which kind of lens can correct the defective vision in the given figure?

Defective vision



Corrective lens



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

Question ID : 75322920129

Status : Answered

Chosen Option : 2

Q.34 What is the chemical formula of a salt formed by the reaction between aluminium hydroxide and acetic acid?

- Ans 1. $(\text{CH}_3\text{COO})_3\text{Al}$
 2. AlCl_3
 3. CH_3COOAl
 4. $\text{Al}_2(\text{C}_2\text{O}_4)_3$

Question ID : 75322920133

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. DCBA

3. CADB

4. ABDC

Question ID : 75322920157

Status : Answered

Chosen Option : 1

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

Lack of education is one of _____ most important reasons for poverty.

Ans 1. a

2. the

3. an

4. No article

Question ID : 75322920148

Status : Answered

Chosen Option : 2

Q.37 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. Illicit

2. Illiterate

3. Illegible

4. Illegal

Question ID : 75322920155

Status : Answered

Chosen Option : 3

Q.38 Select the most appropriate meaning of the given proverb.

A leopard can't change its spots

Ans 1. One can't change one's looks

2. One should accept one's faults

3. One can't deceive others easily

4. One's innate nature doesn't change

Question ID : 75322920153

Status : Answered

Chosen Option : 3

Q.39 Select the option that can be used as a one-word substitute for the given group of words.

A five-sided polygon

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

Question ID : 75322920156

Status : Answered

Chosen Option : 2

Q.40 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

Q.41 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. Gulf
 2. Canyon
 3. Island
 4. Plateau

Question ID : 75322920154

Status : Answered

Chosen Option : 2

Q.42 Select the most appropriate synonym of the given word.

Adverse

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

Question ID : 75322920151

Status : Answered

Chosen Option : 3

Q.43 Select the most appropriate meaning of the given idiom.**Fit as a fiddle**

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

Question ID : 75322920152

Status : Answered

Chosen Option : 1

Q.44 Select the most appropriate ANTONYM of the given word.**Forbid**

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

Question ID : 75322920150

Status : Answered

Chosen Option : 1

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

There is a lot of _____ in his drawing room.

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

Question ID : 75322920146

Status : Answered

Chosen Option : 1

Q.46 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. No article; a
 4. The; a

Question ID : 75322920149

Status : Answered

Chosen Option : 3

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

She _____ quite tall in the past one year.

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

Question ID : 75322920147

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 : 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 : 3



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 : 49

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

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

Question ID : 75322920160

Status : Answered

Chosen Option : 2

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

Question ID : 75322920159

Status : Answered

Chosen Option : 4

Section : General Knowledge & General intelligence & General Aptitude & English etc.

Q.1 What is the approximate total length of the coastline of India including that of Lakshadweep and Andaman and Nicobar Islands?

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

Question ID : 75322920173

Status : Answered

Chosen Option : 2

Q.2 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. 1991
 2. 1994
 3. 1993
 4. 1992

Question ID : 75322920178

Status : Answered

Chosen Option : 2

Q.3 Muhammad ibn Tughluq was the _____ sultan of the Tughluq dynasty.

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

Question ID : 75322920166

Status : Answered

Chosen Option : 2

Q.4 As per the OXFAM India data, (2011 census) the average literacy rate in India stands at _____.

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

Question ID : 75322920174

Status : Answered

Chosen Option : 2

Q.5 The Central Pollution Control Board (CPCB) statutory organisation was constituted in _____.

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

Question ID : 75322920163

Status : Answered

Chosen Option : 2

Q.6 Interpreted, object-oriented, and high-level programming language Python was developed by _____.

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

Question ID : 75322920162

Status : Answered

Chosen Option : 1

Q.7 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 30th Amendment to the Constitution
 2. The 32nd Amendment to the Constitution
 3. The 33rd Amendment to the Constitution
 4. The 31st Amendment to the Constitution

Question ID : 75322920177

Status : Answered

Chosen Option : 2

Q.8 Famous classical singer Gangubai Hangal belongs to which of the communities of performers who share a distinctive musical style?

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

Question ID : 75322920170

Status : Answered

Chosen Option : 2

Q.9 The Lalit Kala Akademi was inaugurated in New Delhi in the year _____.

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

Question ID : 75322920169

Status : Answered

Chosen Option : 2

Q.10 The Veligallu Dam Reservoir Project is an irrigation project across _____.

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

Question ID : 75322920172

Status : Answered

Chosen Option : 2

Q.11 Barabar Caves are in which of the following states?

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

Question ID : 75322920168

Status : Answered

Chosen Option : 2

Q.12 Which of the following dynasties is known to be the first Deccanese dynasty to build an empire in Daksinapatha—i.e., the southern region?

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

Question ID : 75322920165

Status : Answered

Chosen Option : 2

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

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

Question ID : 75322920171

Status : Answered

Chosen Option : 2

Q.14 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. Karnataka
 2. Maharashtra
 3. Chhattisgarh
 4. Uttar Pradesh

Question ID : 75322920175

Status : Answered

Chosen Option : 2

Q.15 In which of the following years Mother Teresa died?

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

Question ID : 75322920167

Status : Answered

Chosen Option : 2

Q.16 Which of the following articles of the Indian Constitution deals with Equality of opportunity in matters of public employment?

Ans 1. 18

2. 16

3. 15

4. 17

Question ID : 75322920176

Status : Answered

Chosen Option : 2

Q.17 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. Kapil Dev

3. Ricky Ponting

4. Yuvraj Singh

Question ID : 75322920164

Status : Answered

Chosen Option : 4

Q.18 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. Both conclusions I and II follow.

2. Neither conclusion I nor II follows.

3. Only conclusion I follows.

4. Only conclusion II follows.

Question ID : 75322920181

Status : Answered

Chosen Option : 3

Q.19 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. U

2. K

3. P

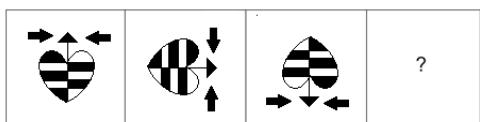
4. N

Question ID : 75322920179

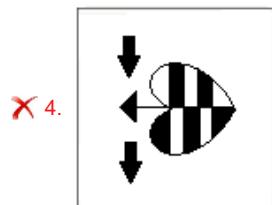
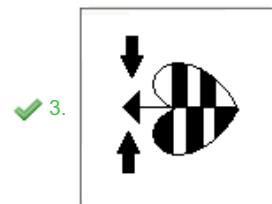
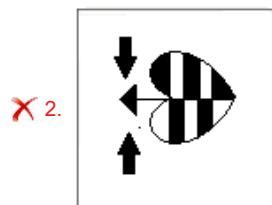
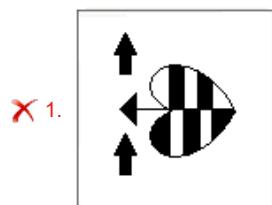
Status : Answered

Chosen Option : 3

Q.20 Select the figure from among the given options that can replace the question mark (?) in the following series.



Ans



Question ID : 75322920190

Status : Answered

Chosen Option : 3

Q.21 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 O
X 2. Box Q
X 3. Box P
X 4. Box N

Question ID : 75322920180

Status : Answered

Chosen Option : 1

Q.22 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. PMXJ
 2. QMYJ
 3. PNXK
 4. QNYK

Question ID : 75322920189

Status : Answered

Chosen Option : 2

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

35, 43, 55, 71, ?

- Ans 1. 83
 2. 79
 3. 87
 4. 91

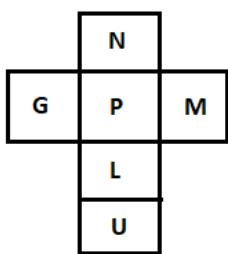
Question ID : 75322920193

Status : Answered

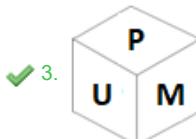
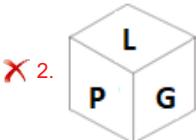
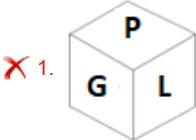
Chosen Option : 4



Q.24 Select the cube that CANNOT be formed by folding the given sheet along the lines.



Ans



Question ID : 75322920192

Status : Answered

Chosen Option : 3

Q.25 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. 10

✓ 2. 12

✗ 3. 11

✗ 4. 14

Question ID : 75322920184

Status : Answered

Chosen Option : 2

Q.26 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:

$$\text{I. } L \geq M$$

$$\text{II. } T > Q$$

Ans 1. Only conclusion II is true.

2. Only conclusion I is true.

3. Neither conclusion I nor II is true.

4. Both conclusions I and II are true.

Question ID : 75322920182

Status : Answered

Chosen Option : 4

Q.27 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. TNVNPK

2. TNVKPK

3. TNNVPK

4. KNTVPK

Question ID : 75322920183

Status : Answered

Chosen Option : 1

Q.28 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. 90

2. 29

3. 130

4. 139

Question ID : 75322920194

Status : Answered

Chosen Option : 3

Q.29 Which two signs should be interchanged to make the following equation correct?

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

Ans 1. - and +

2. + and \times

3. \div and +

4. \div and \times

Question ID : 75322920195

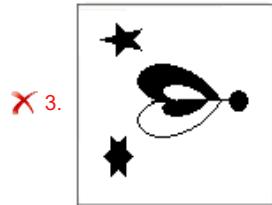
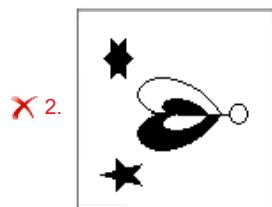
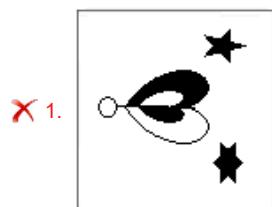
Status : Answered

Chosen Option : 2

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



Ans



Question ID : 75322920191

Status : Answered

Chosen Option : 4

Q.31 In a certain code language,

'A + B' means 'A is the brother of B',
 'A - B' means 'A is the father of B',
 'A \times 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 \times T + K'?

Ans

- X 1.** Father
- X 2.** Brother
- ✓ 3.** Father's father
- X 4.** Mother's father

Question ID : 75322920186

Status : Answered

Chosen Option : 3

Q.32 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. Brother
 4. Son

Question ID : 75322920187

Status : Answered

Chosen Option : 2

Q.33 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. OMU
 2. ONW
 3. PMV
 4. ONV

Question ID : 75322920188

Status : Answered

Chosen Option : 2

Q.34 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. EDJVZ
 2. GBLTB
 3. EDJUZ
 4. FDKVZ

Question ID : 75322920185

Status : Answered

Chosen Option : 1

Q.35 Select the most appropriate meaning of the given idiom.

Butterflies in the stomach

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

Question ID : 75322920202

Status : Answered

Chosen Option : 4

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

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

Question ID : 75322920200

Status : Answered

Chosen Option : 1

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

She kept running _____ her lines to memorise them.

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

Question ID : 75322920197

Status : Answered

Chosen Option : 3

Q.38 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. Astronaut
 2. Scientist
 3. Analyst
 4. Hypnotist

Question ID : 75322920205

Status : Answered

Chosen Option : 1

Q.39 Select the most appropriate option to fill in the blank.

She was lucky to have her _____ support all along.

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

Question ID : 75322920196

Status : Answered

Chosen Option : 3

Q.40 Select the most appropriate synonym of the given word.**Beguile**

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

Question ID : 75322920201

Status : Answered

Chosen Option : 2

Q.41 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. DCAB
 2. CABD
 3. CBDA
 4. DBAC

Question ID : 75322920206

Status : Answered

Chosen Option : 1

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

This weekend I _____ so don't make any plans.

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

Question ID : 75322920199

Status : Answered

Chosen Option : 3

Q.43 Select the most appropriate option to fill in the blank.

I _____ that you would like the movie I had recommended.

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

Question ID : 75322920198

Status : Answered

Chosen Option : 2

Q.44 Select the most appropriate meaning of the given idiom.**Smell a rat**Ans 1. Suspect something is wrong 2. Live in unhygienic conditions 3. Look for clues to solve a mystery 4. Have an unpleasant experience

Question ID : 75322920203

Status : Answered

Chosen Option : 1

Q.45 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. Sinecure 2. Honorary 3. Freelance 4. Executive

Question ID : 75322920204

Status : Answered

Chosen Option : 2

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 extract in the passage is taken from Kalam's:**Ans 1. India 2020 2. Wings of Fire 3. Ignited Minds 4. Mission India

Question ID : 75322920208

Status : Answered

Chosen Option : 2

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

Question ID : 75322920210

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 : 48

Q.48 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



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

Question ID : 75322920211

Status : **Answered**

Chosen Option : 1



Comprehension:

Read the given passage and answer the questions that follow.

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SubQuestion No : 50

Q.50 The water in which Kalam's father dipped his fingers was believed:

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

Question ID : 75322920209

Status : Answered

Chosen Option : 3

