

• Question No. 1

The tribal people of which Indian state celebrate Sarhul festival where a sal tree is worshipped for health and prosperity?

Options :

1. Gujarat
2. Rajasthan
3. Jharkhand
4. Meghalaya
- 5.

Answer : Jharkhand

• Question No. 2

Who was conferred with the Tansen Samman 2020 by Madhya Pradesh government in January 2021?

Options :

1. Vidyadhar Vyas
2. Dalchand Sharma
3. Satish Vyas
4. Manju Mehta
- 5.

Answer : Satish Vyas

• Question No. 3

On which day is Gudi Padwa celebrated in the month of Chaitra as per the Hindu calendar?

Options :

1. Second

2. First
3. Fifth
4. Fourth
- 5.

Answer : First

• Question No. 4

The statement that the upward buoyant force that is exerted on a body immersed in a fluid, whether fully or partially, is equal to the weight of the fluid that the body displaces is related to:

Options :

1. Beer Lambert Law
2. Pascal's Law
3. Archimedes' Principle
4. Bernoulli's Principle
- 5.

Answer : Archimedes' Principle

• Question No. 5

Which Indian-American player has won the Wimbledon junior men's title in July 2021?

Options :

1. Dhruv Sunish
2. Samir Banerjee
3. Adil Kalyanpur
4. Siddhant Banthia
- 5.

Answer : Samir Banerjee

- Question No. 6

The style of temple architecture that became popular in _____ is known as Nagara.

Options :

1. eastern India
2. northern India
3. southern India
4. western India
- 5.

Answer : northern India

- Question No. 7

Pandit Bhimsen Joshi who received Bharat Ratna in 2008 was popular for the khayal form of singing and belonged to the _____ Gharana.

Options :

1. Gwalior
2. Patiala
3. Kirana
4. Agra
- 5.

Answer : Kirana

- Question No. 8

The Kandariya Mahadeva temple dedicated to Lord Shiva was constructed in c.999 CE by king Dhangadeva of the _____.

Options :

1. Kalachuri dynasty

2. Chandela dynasty
3. Rashtrakuta dynasty
4. Chalukya dynasty
- 5.

Answer : Chandela dynasty

• Question No. 9

A major population of Israel is:

Options :

1. Jewish
2. Toda
3. Lurish
4. Beja
- 5.

Answer : Jewish

• Question No. 10

Which one of the following poverty alleviation program was launched before year 2000 in India?

Options :

1. Sampoorna Grameen Rozgar Yojana
2. Swarnajayanti Gram Swarozgar Yojana
3. National Food for Work Programme
4. Valmiki Ambedkar Awas Yojana
- 5.

Answer : Swarnajayanti Gram Swarozgar Yojana

• Question No. 11

What is the name of the new geospatial planning portal launched by the Union Minister of Rural Development and Panchayati Raj Sri Giriraj Singh in 2021?

Options :

1. Yuktdhara
2. Yojanadhara
3. Akashdhara
4. Muktidhara
- 5.

Answer : Yuktdhara

- Question No. 12

India falls in which of the following categories, according to the Human Development Index (as per HDI, 2020)?

Options :

1. Low human development
2. Very high human development
3. Medium human development
4. High human development
- 5.

Answer : Medium human development

- Question No. 13

Which of the following is NOT a coniferous tree?

Options :

1. Spruce
2. Cedar
3. Jatropha
4. Pine

5.

Answer : Jatropha

• Question No. 14

Who was the successor of Shahjehan Begum, the ruler of Bhopal, who provided money for the preservation of the ancient site Sanchi?

Options :

1. Chand Bibi
2. Razia Sultana
3. Mariam-uz-Zamani
4. Sultan Jehan Begum
- 5.

Answer : Sultan Jehan Begum

• Question No. 15

What is a Per unit Tax (or Unit Tax)?

Options :

1. A tax that the government imposes per unit purchase on imports.
2. A tax that the government imposes per unit sale of output.
3. A tax that the factory imposes per unit sale of output.
4. A tax that the factory imposes on total unit purchase on imports.
- 5.

Answer : A tax that the government imposes per unit sale of output.

• Question No. 16

Who among the following co-founded the Calcutta Unitarian Society and founded the Brahma Samaj?

Options :

1. Debendranath Tagore
2. Keshab Chandra Sen
3. Raja Ram Mohan Roy
4. Iswar Chandra Vidyasagar
- 5.

Answer : Raja Ram Mohan Roy

• Question No. 17

Which of the following regions is known for oil extraction in India?

Options :

1. Bokaro
2. Kolar
3. Jharia
4. Mumbai High
- 5.

Answer : Mumbai High

• Question No. 18

Neeraj Chopra ranked at which position in the World Athletics Men's Javelin rankings as of 10 August 2021?

Options :

1. Second
2. Seventh
3. Third
4. Fifth
- 5.

Answer : Second

- Question No. 19

The Annual Financial Statement, which is presented as a part of budget, is covered under which Article of the Constitution of India?

Options :

1. Article 115
2. Article 114
3. Article 112
4. Article 113
- 5.

Answer : Article 112

- Question No. 20

The actual or realised value of a variable as opposed to its planned value is called _____.

Options :

1. Ex barter
2. Ex flow
3. Ex post
4. Ex ante
- 5.

Answer : Ex post

- Question No. 21

Which award was conferred by the Indian Chamber of Commerce (ICC) to IREDA on 11 May 2021?

Options :

1. Global Energy Award
2. Green Urja Award

3. National Energy Conservation Award
4. India Power Award
- 5.

Answer : Green Urja Award

• Question No. 22

Article 315 of the Constitution of India is related to the:

Options :

1. establishment of NTA and SSC
2. establishment of NTA
3. establishment of SSC
4. establishment of UPSC and SPSC
- 5.

Answer : establishment of UPSC and SPSC

• Question No. 23

Rengma is primarily a folk dance of _____.

Options :

1. Bihar
2. West Bengal
3. Nagaland
4. Rajasthan
- 5.

Answer : Nagaland

• Question No. 24

Colossal statues of Kushana rulers have been found installed in a shrine at Mat. Which of the following is that state?

Options :

1. Bihar
2. Madhya Pradesh
3. Uttar Pradesh
4. Odisha
- 5.

Answer : Uttar Pradesh

• Question No. 25

Which of the following is the third-generation fire-and-forget anti-tank guided missile that was successfully flight tested by DRDO in July 2021?

Options :

1. HELINA
2. SANT
3. MPATGM
4. SAMHO
- 5.

Answer : MPATGM

• Question No. 26

Which is the Indian state with highest percentage of Scheduled Castes (SCs) in their population as per the Census of 2011?

Options :

1. Punjab
2. Himachal Pradesh
3. Uttar Pradesh
4. Haryana

5.

Answer : Punjab

• Question No. 27

How many sex chromosomes are there in a normal human being?

Options :

1. Two
2. Eight
3. One
4. Four
- 5.

Answer : Two

• Question No. 28

Embarked upon in 1965-66 as an integral part of the Green Revolution, the High Yielding Varieties Programme (HYVP) included which of the following crops?

Options :

1. Cotton, jute
2. Wheat, rice
3. Tea, coffee
4. Peas, gram
- 5.

Answer : Wheat, rice

• Question No. 29

Which Article of the Indian Constitution deals with the provision of protection of monuments and places and objects of national importance?

Options :

1. Article 49
2. Article 48
3. Article 48A
4. Article 43
- 5.

Answer : Article 49

• Question No. 30

Which of the following places is known for copper mines in India?

Options :

1. Khetri
2. Kudremukh
3. Kolar
4. Ratnagiri
- 5.

Answer : Khetri

• Question No. 31

What is the length of IPv4 address in terms of nibble?

Options :

1. 4 nibbles
2. 16 nibbles
3. 8 nibbles
4. 6 nibbles
- 5.

Answer : 8 nibbles

• Question No. 32

According to the Census of India 2011, _____ has the highest sex ratio of 1084 females per 1000 males.

Options :

1. Karnataka
2. Kerala
3. Punjab
4. Tamil Nadu
- 5.

Answer : Kerala

• Question No. 33

Which of the following services was NOT present in India for the common man at the time of Independence?

Options :

1. Call centres
2. Postal services
3. Telegraph services
4. Railways
- 5.

Answer : Call centres

• Question No. 34

'Natural Levees' are:

Options :

1. depositional landforms of river
2. depositional landforms of wind
3. erosional landforms of wind

4. erosional landforms of river

5.

Answer : depositional landforms of river

• Question No. 35

In 1851, who among the following described the kingdom of Awadh as 'a cherry that will drop into our mouth one day'?

Options :

1. Warren Hastings

2. William Bentinck

3. Lord Dalhousie

4. Robert Clive

5.

Answer : Lord Dalhousie

• Question No. 36

Which of the following rivers originates from Aravalli range and disappears into Rann of Kachchh?

Options :

1. Sabarmati

2. Chambal

3. Banas

4. Luni

5.

Answer : Luni

• Question No. 37

The Fundamental Duties in the Constitution of India were adopted from the:

Options :

1. USSR Constitution
2. Irish Constitution
3. Japanese Constitution
4. US Constitution
- 5.

Answer : USSR Constitution

• Question No. 38

Where is the world's highest waterfall, the 'Angel falls', located?

Options :

1. Belgium
2. Australia
3. China
4. Venezuela
- 5.

Answer : Venezuela

• Question No. 39

In MS-Word 2016, the 'Aa' feature within the Font group of the Home tab represents the _____ option.

Options :

1. Clear All Formatting
2. Text Effects and typography
3. Change Case
4. Strikethrough
- 5.

Answer : Change Case

- Question No. 40

The Sattriya dance form was introduced in the _____ by the great Vaishnava saint and reformer of Assam Mahapurusha Sankaradeva.

Options :

1. 19th century A.D
2. 11th century A.D
3. 15th century A.D
4. 17th century A.D
- 5.

Answer : 15th century A.D

- Question No. 41

The Jawaharlal Nehru Port is situated in which of the following cities?

Options :

1. Mormugao
2. Kochi
3. Navi Mumbai
4. Kandla
- 5.

Answer : Navi Mumbai

- Question No. 42

_____ is the world's second largest and second most populous continent as per UN World Population Prospects 2019.

Options :

1. Europe

2. Africa
3. North America
4. Asia
- 5.

Answer : Africa

• Question No. 43

The Prime Minister of Bangladesh, Sheikh Hasina was conferred with which of the following prestigious awards on 20 September 2021?

Options :

1. Swadhinata Puraskar
2. UN Environment Prize
3. SDG Progress Award
4. Indira Gandhi Prize
- 5.

Answer : SDG Progress Award

• Question No. 44

The difference between the value of exports and the value of imports of goods of a country in a given period of time is called _____.

Options :

1. Capital Trade
2. Marginalised Trade
3. Exchange of Trade
4. Balance of Trade
- 5.

Answer : Balance of Trade

- Question No. 45

Which of the following ports is NOT located in Asia?

Options :

1. Singapore
2. Osaka
3. Rotterdam
4. Shanghai
- 5.

Answer : Rotterdam

- Question No. 46

Gir forest, which is famous for the Asiatic lion, is located in:

Options :

1. Punjab
2. Gujarat
3. Andaman and Nicobar Islands
4. Odisha
- 5.

Answer : Gujarat

- Question No. 47

Which Article of the Indian Constitution is related with the High Courts for States?

Options :

1. 148
2. 214
3. 248

4. 188

5.

Answer : 214

• Question No. 48

Which technology was developed by the Defence Research and Development Organisation to protect naval ships against missile attacks in April 2021?

Options :

1. Advanced Chaff Technology
2. Man-portable Radar Technology
3. Baffle Range Technology
4. Imaging Infra-Red Technology
- 5.

Answer : Advanced Chaff Technology

• Question No. 49

In Natya Shastra, Bharat Muni has clubbed musical instruments into how many groups?

Options :

1. 7
2. 6
3. 4
4. 3
- 5.

Answer : 4

• Question No. 50

In which of the Five-Year Plans, was the main slogan towards Faster and more inclusive growth used?

Options :

1. 8th
2. 11th
3. 9th
4. 10th
- 5.

Answer : 11th

• Question No. 51

Seven people A, B, C, D, E, F and G live in a seven-floor building. The lowermost floor is numbered as 1, the floor above it is numbered 2, and so on till the topmost floor is numbered 7. Only four people live below the floor on which D lives. Only two people live below C. B lives on the lowermost floor. E lives immediately above B. A lives on one of the floors above F but on one of the floors below G. Who lives on the floor numbered 4?

Options :

1. C
2. D
3. F
4. A
- 5.

Answer : F

• Question No. 52

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

BRELF : CFGMS :: MJCLH : DIKLM :: EODET : ?

Options :

1. EFFBT

2. EFFPU
3. FFAYT
4. FFEPU
- 5.

Answer : EFFPU

• Question No. 53

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 computers are laptops.

Some laptops are mobiles.

Conclusions:

I. Some computers are mobiles.

II. Some mobiles are computers.

III. Some mobiles are laptops

Options :

1. Only conclusion III follows
2. Only conclusions I and II follow
3. All conclusions I, II and III follow
4. Only conclusion II follows
- 5.

Answer : Only conclusion III follows

• Question No. 54

In a certain code language. 'COCK' is written as 'EQEM', and 'DUCK' is written as 'FWEM'. How will 'SWAN' be written in that language?

Options :

1. UXDP
2. VXCQ
3. VYDP
4. UYCP
- 5.

Answer : UYCP

- Question No. 55

Refer to the given letter, number, symbol series and answer the question that follows.

(Left) K L % Y & 4 E 2 * 3 M & 7 S W # 8 2 H * L (Right)

If all the symbols are dropped from the series, which of the following will be seventh from the left?

Options :

1. 2
2. 3
3. 7
4. M
- 5.

Answer : 2

Direction:

Study the given information carefully and answer the question that follows.

Colleagues Karna, Michelli, Prabu, Vanaja, Mohan, Raghu, Jockey and Neelima are sitting around a square table in such way that four of them sit at corners and four of them at the middle of the sides. The ones who sit at the corners face outside (opposite to the centre) and the ones who sit at the middle of the sides face towards centre. Vanaja is seated third to the right of Jockey. Vanaja faces towards the centre. Mohan is third to the left of Prabhu.

Prabhu is not sitting at middle of any of the sides. Only one person sits between Mohan and Raghu. Raghu is not an immediate neighbour of Prabhu. Neelima faces towards the centre. Karna is not an immediate neighbour of Raghu

- Question No. 56

Who is an immediate neighbour of both Mohan and Raghu?

Options :

1. Prabhu
2. Vanaja
3. Michelli
4. Jockey
- 5.

Answer : Jockey

- Question No. 57

In each of the number-pairs, the second number is obtained by performing a certain mathematical operation on the first number. Three of the following pairs follow the same pattern and thus form a group. Select the number-pair that does NOT belong to that group.

Options :

1. 18 : 345
2. 14 : 207
3. 16 : 267
4. 12 : 155
- 5.

Answer : 18 : 345

- Question No. 58

What is the median of 5, 2, 7, 8, 1 and 4?

Options :

1. 4.5
2. 7
3. 8
4. 7.5
- 5.

Answer : 4.5

• Question No. 59

Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BOY, FMU, ?, NIM, RGI

Options :

1. ILR
2. IKR
3. JLQ
4. JKQ
- 5.

Answer : JKQ

• Question No. 60

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

Statements:

Some papers are tables.

Some ropes are tables

All tables are clothes.

Conclusions:

(I) Some papers are clothes.

(II) Some ropes are clothes.

(III) No cloth is a rope.

(IV) No paper is a rope.

Options :

1. Only conclusion I follows
2. Only conclusions I, II follow
3. Only conclusions III and IV follow
4. None of the conclusions follow
- 5.

Answer : Only conclusions I, II follow

• Question No. 61

A, B, C, D, E, F, G and H are sitting around a square table facing the centre of the table. Four of them are sitting at each of the corners, while the other four are sitting at the exact centre of each of the sides.

B sits at one of the corners of the table. Only two people sit between B and D. C sits second to the right of D. Only three people sit between C and A. E sits to the immediate left of A. F sits second to the right of G. Who sits second to the left of H?

Options :

1. A
2. C
3. G
4. E
- 5.

Answer : C

• Question No. 62

Ten people are sitting in two parallel rows 1 and 2. A, B, C, D and E are sitting in row 1 facing south, and V, W, X, Y and Z are sitting in row 2 facing north, in such a way that each member in row 1 faces a member of row 2. W sits second from the left end of the row. W faces an immediate neighbour of A. B sits second to the left of A. Only one person sits between C and the one who faces V. Neither C nor V sit at any of the extreme ends. V faces an immediate neighbour of D. The one who faces E sits to the immediate left of X. Only one person sits between Y and X. Who faces Z?

Options :

1. A
2. B
3. D
4. C
- 5.

Answer : A

• Question No. 63

A question is given, followed by three statements labelled I, II and III. Identify which of the statements is/are sufficient to answer the question.

Question:

What is Mala's age?

Statements:

I. The sum of Rohan's, Sheela's and Mala's age is 95.

II. Rohan is younger than Mala.

III. Mala is 10 years older than Sheela.

Options :

1. Statement II alone is sufficient, while Statement III alone is not sufficient.
2. Statement I alone is sufficient, while Statement II alone is not sufficient.
3. Statement I, II and III together are not sufficient.
4. Statements I, II and III together are sufficient.
- 5.

Answer : Statements I, II and III together are sufficient.

• Question No. 64

If in a code language, 'chef' is coded as 'glass', 'glass' is coded as 'cup', 'cup' is coded as 'cool', and 'cool' is coded as 'rich', then who cooks the food?

Options :

1. cook
2. glass
3. cup
4. rich
- 5.

Answer : glass

• Question No. 65

Read the given statement and conclusions carefully. Assuming that the information given in the statement is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions is are true based on the given statements.

Statement:

$\text{£} \square \square \geq \square = \square$

Conclusions:

I. $\text{£} \leq \square$

II. \square

Options :

1. Neither I nor II is true
2. Only II is true
3. Only I is true
4. Both I and II are true
- 5.

Answer : Neither I nor II is true

• Question No. 66

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

WINTER : EINRTW :: TRAY :: ARTY :: LADIES : ?

Options :

1. ADEILS
2. DAIELS
3. DAEILS
4. ADIELS
- 5.

Answer : ADEILS

• Question No. 67

If each of the letters of the word 'STADIUM' are re-arranged in the English alphabetical order, then the position of which letter will remain unchanged?

Options :

1. D
2. All letters change their position
3. U

4. T

5.

Answer : All letters change their position

• Question No. 68

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

Statements:

Some bats are balls

All balls are caps

All caps are players.

No player is a hat.

Conclusions:

I. No bat is a cap.

II. All caps are balls.

III. Some hats are caps

IV. No hat is a ball

Options :

1. Both conclusions I and III follow.

2. Only conclusion II follows.

3. Only conclusion I follows.

4. Only conclusion IV follows.

5.

Answer : Only conclusion IV follows.

• Question No. 69

Eight people F, H, K, N, P, S, V, X are sitting in a straight line and all are facing north.

Neither F nor H sit at any of the extreme ends of the line. F sits fourth to the right of H. Only two people sit between F and K. More than two people sit between P and K. P does not sit at an extreme end. S sits to the immediate right of V. X sits at one of the positions to the left of V.

What is the position of N from the right end of the line?

Options :

1. Second
2. First
3. Fourth
4. Sixth
- 5.

Answer : First

• Question No. 70

Six students, P, Q, R, S, T and U have been instructed to keep their books on six different shelves of a bookshelf having only six shelves one over the other. Books of S are kept on the topmost shelf. Books of P and U are kept on third shelves from the extreme top and extreme bottom, respectively. Only books of R are kept between the shelves containing books of U and Q. Books of student T are kept on which shelf from the extreme top?

Options :

1. 4th
2. 2nd
3. 1st
4. 3rd
- 5.

Answer : 2nd

• Question No. 71

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

TUP _ _ _ PKT _ _ KTUP_

Options :

1. TTUUPK
2. KTUUPK
3. TUUUPK
4. UTTP □□
- 5.

Answer : KTUUPK

• Question No. 72

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

1, 64, 343, 1000, ?, 4096

Options :

1. 2245
2. 2098
3. 2197
4. 3065
- 5.

Answer : 2197

• Question No. 73

In a certain code language, 'TEACHER' is written as 'CAHEETR', and 'STUDENT' is written as 'DUETNST'. How will 'SUCCESS' be written in that language?

Options :

1. CECSUSS
2. CCEUSSS
3. SCUSCES
4. UCSECSS
- 5.

Answer : CCEUSSS

• Question No. 74

B's mother is the daughter of F. C is the son of F and D. G is the son of C and E. D is the mother of R. How is F related to G?

Options :

1. Father's mother
2. Brother
3. Mother's father
4. Father's father
- 5.

Answer : Father's father

• Question No. 75

In a certain code language,

'Space Thee Bliss' is written as 'is jk th',

'Bliss Youth Last' is written as 'th cu wn',

'River Last God' is written as 'cu gd ap'.

'Bliss Thee Bad' is written as 'jk th if'.

How will "Bliss Thee Youth be written in that language?

Options :

1. jk cu wn
2. th jk wn
3. th jk gd
4. th cu wn
- 5.

Answer : th jk wn

• Question No. 76

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

EYBRD : VBYIW :: AJKBC : ZQPYX :: JEWAD : ?

Options :

1. VRTYU
2. KRESD
3. MHREA
4. QVDZW
- 5.

Answer : QVDZW

• Question No. 77

Shilpa and Radhika started walking from two different points, 'A' and 'B', respectively. Shilpa walks 4 km North, turns to the East and walks 6 km, again turns to the North and walks 8 km, and finally turns to the East and walks 10 km to reach point 'C'. Similarly, Radhika walks 4 km North, and turns to the West and walks 6 km, and finally turns to the North and walks 8 km and meets Shilpa at point 'C'. What is the shortest distance between Shilpa's and Radhika's starting points?

Options :

1. 26 km
2. 10 km
3. 22 km
4. 16 km
- 5.

Answer : 22 km

• Question No. 78

Shilpa and Radhika started walking from two different points, 'A' and 'B', respectively. Shilpa walks 4 km North, turns to the East and walks 6 km, again turns to the North and walks 8 km, and finally turns to the East and walks 10 km to reach point 'C'. Similarly, Radhika walks 4 km North, and turns to the West and walks 6 km, and finally turns to the North and walks 8 km and meets Shilpa at point 'C'. What is the shortest distance between Shilpa's and Radhika's starting points?

Options :

1. 26 km
2. 10 km
3. 22 km
4. 16 km
- 5.

Answer : 22 km

• Question No. 79

Read the given statement and conclusions carefully. Decide which of the given conclusion/s is/are true based on the given statement.

Statement:

$K \cong L > M$

Conclusions:

I. $X > M$

II. $X > L$

III. M

IV. $L > K$

Options :

1. Only conclusion I is true
2. Only conclusions I and III are true
3. Only conclusions I and IV are true
4. Only conclusion II is true
- 5.

Answer : Only conclusions I and III are true

• Question No. 80

In each of the given number-clusters, the number on the right side of = (the equal to sign) is calculated by performing certain mathematical operations on the two numbers on the left of = (the equal to sign). All three number-clusters follow the same pattern. Select the number from among the given options that can replace the question mark (?) in the third number-cluster

69, 87 = 39

93, 95 = 47

52, 64 = ?

Options :

1. 29
2. 37
3. 45
4. 53
- 5.

Answer : 29

- Question No. 81

Data was gathered from a survey as to what sport was liked by the people surveyed. The data was represented by a pie chart, and the sector representing people who liked soccer had a central angle of 54° . What percentage of the people surveyed liked soccer?

Options :

1. 10%
2. 12.5%
3. 20%
4. 15%
- 5.

Answer : 15%

- Question No. 82

Simplify:

$$\sqrt[6]{4096} + \sqrt[4]{4096} + \sqrt[3]{4096} + \sqrt{4096}$$

Options :

1. 92
2. $\sqrt{2}/2$
3. 90
4. $\sqrt{2}$
- 5.

Answer : 92

- Question No. 83

What is the measure of each interior angle of a regular octagon?

Options :

1. 140°
2. 130°
3. 135°
4. 125°
- 5.

Answer : 135°

• Question No. 84

The difference between the external and internal curved surface areas of a 7 cm long cylindrical metallic pipe is 110 cm^2 . If the pipe is made of 302.5 cm^3 metal, then find the inner radius of the pipe.

(Use $\pi = 22/7$)

Options :

1. 2.2 cm
2. 1.8 cm
3. 1.5 cm
4. 1.6 cm
- 5.

Answer : 1.5 cm

• Question No. 85

In a school, the number of students in Grades 6, 7 and 8 was 184, 276 and 322, respectively. Students in each grade were divided into different sections, but every section across grades had the same number of students. For each section, a class teacher was appointed. What was the minimum number of class teachers required for the purpose?

Options :

1. 18
2. 46
3. 23

4. 17

5.

Answer : 17

• Question No. 86

105 people could complete a work in 36 days. But after they worked together for 8 days their employer wanted that the work should be completed in a total of 29 days. How many more workers need to be employed to meet the deadline?

Options :

1. 40

2. 35

3. 28

4. 42

5.

Answer : 35

• Question No. 87

A can do a job alone in 66 days, B can do it alone in 55 days, while A, B and C working together can complete the job in 22 days. In how many days can C do the job alone?

Options :

1. 82.5

2. 85

3. 81.5

4. 84

5.

Answer : 82.5

- Question No. 88

Which of the following fractions is the greatest?

Options :

1. $\frac{8}{9}$
2. $\frac{17}{20}$
3. $\frac{37}{40}$
4. $\frac{22}{25}$
- 5.

Answer : $\frac{37}{40}$

- Question No. 89

The perimeters of two squares differ by 48 cm. If the side of one square is four times the side of the other square, then find the area of the larger square (in cm^2).

Options :

1. 256
2. 289
3. 196
4. 225
- 5.

Answer : 256

- Question No. 90

A certain quantity of a 35% sugar solution is mixed with 8 liters of a 48% sugar solution to obtain a 40% sugar solution. How many liters of the 35% sugar solution was there in the mixture?

Options :

1. 12.8

2. 13.6
3. 13.2
4. 12.5
- 5.

Answer : 12.8

• Question No. 91

Manyata rowed a certain distance downstream in 2 hours while it took her 30 minutes more to row the same distance upstream. How much time will she take to make the two-way journey in still water?

Options :

1. 4:15:10 hours
2. 4:10 hours
3. 4:26:40 hours
4. 4:02:20 hours
- 5.

Answer : 4:26:40 hours

• Question No. 92

Which of the following numbers is divisible by 8?

Options :

1. 12312
2. 12316
3. 12318
4. 12314
- 5.

Answer : 12312

• Question No. 93

In a bag full of pencils, $\frac{3}{4}$ of the pencils were colored pencils, and $\frac{8}{15}$ of the colored pencils were red. If there were 40 red pencils in the bag, what was the total number of pencils in the bag?

Options :

1. 100
2. 120
3. 150
4. 180
- 5.

Answer : 100

• Question No. 94

The area of a trapezium is 140 cm^2 and the perpendicular distance between its parallel sides is 7 cm. If the length of one of the parallel sides is 28 cm, what is the length of the other parallel side?

Options :

1. 12 cm
2. 16 cm
3. 14 cm
4. 10 cm
- 5.

Answer : 12 cm

• Question No. 95

Rohan had a cuboidal box having dimensions of $36 \text{ cm} \times 25 \text{ cm} \times 20 \text{ cm}$. He packed into it as many cubes as possible, each of which has edges 4 cm long. How much space will be still left in the box?

Options :

1. 680 cm^3
2. 780 cm^3
3. 820 cm^3
4. 720 cm^3
- 5.

Answer : 720 cm^3

• Question No. 96

What is the median of 5, 2, 7, 8, 1 and 4?

Options :

1. 4.5
2. 7
3. 8
4. 7.5
- 5.

Answer : 4.5

• Question No. 97

The average of five consecutive natural numbers is 12. What will be the average of the seven numbers if the next two natural numbers are also included?

Options :

1. 14
2. 13
3. 15
4. 13.5
- 5.

Answer : 13

- Question No. 98

If $\tan\theta = \frac{\sqrt{5}}{2}$ and θ is an acute angle, find the value of $\sec\theta$.

Options :

1. $3/2$
2. $\sqrt{6}/2$
3. 2
4. 1
- 5.

Answer : $3/2$

- Question No. 99

If 15% of A: 25% of B:: 8 : 11, then A : B is equal to:

Options :

1. 4: 3
2. 33: 32
3. 5: 4
4. 40: 33
- 5.

Answer : 40: 33

- Question No. 100

If $\cos A = \frac{\sqrt{3}}{2}$, A is an acute angle, then find the value of $\frac{\tan A - \cot A}{\sqrt{3} - \sec A}$.

Options :

1. -2.5

2. -2
3. -3.5
4. 2.5
- 5.

Answer : -2

• Question No. 101

The ratio of the speeds of a bus and a car is 7 : 11. If the car covers a distance of 396 km in 6 hours, what is the speed of the bus in km/h?

Options :

1. 42
2. 35
3. 38.5
4. 45.5
- 5.

Answer : 42

• Question No. 102

A sum of ₹22,100 was divided between Timir and Monali in such a way that if both invested their shares at 10% compound interest per annum, the amount payable on maturity to Monali after 18 years would be the same as the amount payable on maturity to Timir after 20 years. What was the share of Monali in the initial sum?

Options :

1. ₹12,050
2. ₹12,180
3. ₹12,150
4. ₹12,100
- 5.

Answer : ₹12,100

- Question No. 103

The selling price of 32 items is equal to the cost price of 38 items. Find the profit percentage.

Options :

1. 16.25%
2. 15.79%
3. 18.75%
4. 19.25%
- 5.

Answer : 18.75%

- Question No. 104

What will be the amount payable on Maturity of ₹2,000 invested for a period of three years.30% p.a. interest compounded yearly?

Options :

1. ₹4,394
2. ₹4,388
3. ₹4,398
4. ₹4,384
- 5.

Answer : ₹4,394

- Question No. 105

3 liters of a liquid having milk and water in the ratio 3: 2 is mixed with 3 liters of a liquid having milk and water in the ratio 2: 3. Find the ratio of milk to water in the new mixture.

Options :

1. 11:12

2. 12:13

3. 13:14

4. 14:11

5.

Answer : 12:13

• Question No. 106

A batsman scored 84 runs in his 12th innings, thereby improving his average score per innings by 4 runs. What is the average score per innings of the batsman after the 12th innings?

Options :

1. 44

2. 40

3. 42

4. 36

5.

Answer : 40

• Question No. 107

Two cylinders have the same volume, but the radius of the base of the second cylinder is 20% less than the radius of the base of the first. How much greater should the height of the second cylinder be in comparison to the height of the first?

Options :

1. 55.25%

2. 56.25%

3. 56.75%

4. 55.75%

5.

Answer : 56.25%

- Question No. 108

The LCM of two numbers is 28 times their HCF, and the difference in the LCM and HCF is 405. If the numbers are in the ratio 4 : 7, then find the positive difference between the numbers.

Options :

1. 49
2. 45
3. 52
4. 42
- 5.

Answer : 45

- Question No. 109

Evaluate:

$$\frac{2.91^2 - 1.09^2}{1.82}$$

Options :

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

Answer : 4

- Question No. 110

Which of the following options is the closest approximate value which will come in place of question mark (?) in the following equation?

$$3 \times 16.13 + 15.03 - 7.86 \div \sqrt{15} = ?$$

Options :

1. 98
2. 61
3. 47
4. 121
- 5.

Answer : 61

- Question No. 111

Four years ago, the age of the mother was 13 times the age of her daughter. Two years hence, the mother's age will be 4 times the daughter's age. After how many years will the mother's age be 3 times that of her daughter?

Options :

1. 6
2. 4
3. 5
4. 7
- 5.

Answer : 6

- Question No. 112

Evaluate the following:

$$\sin 60^\circ + \tan 30^\circ + \cos 45^\circ$$

1. $\frac{5\sqrt{2}+3\sqrt{3}}{4}$

2. $\frac{3\sqrt{2}+5\sqrt{3}}{4}$

3. $\frac{5\sqrt{2}+3\sqrt{3}}{6}$

4. $\frac{3\sqrt{2}+5\sqrt{3}}{6}$

Options :

1.1

2.2

3.3

4.4

5.

Answer : 4

• Question No. 113

A sum of ₹7,500 amounts to ₹11,700 in 8 years at a certain rate of simple interest. Find the rate of interest per annum.

Options :

1. 7%

2. 7.5%

3. 8%

4. 6%

5.

Answer : 7%

- Question No. 114

Simplify: $65 - [40 - (60 \div 5 - (18 - 24 \div 4) \div 6)]$

Options :

1. 30
2. 40
3. 37
4. 35
- 5.

Answer : 35

- Question No. 115

A sum of money invested at a certain rate of compound interest per annum amounts to ₹96,800 in 2 years and to ₹1,06,480 in 3 years. Find the rate of compound interest per annum.

Options :

1. 10.5%
2. 10%
3. 12%
4. 11%
- 5.

Answer : 10%

- Question No. 116

Find the radius of a sphere having a surface area of $900\pi \text{ cm}^2$.

Options :

1. 18 cm
2. 20 cm

3. 15 cm

4. 12 cm

5.

Answer : 15 cm

• Question No. 117

Find the value of k, if 18% of 450 = 30% of k.

Options :

1. 320

2. 750

3. 270

4. 250

5.

Answer : 270

Direction:

The following table depicts the number of people in 4 different villages (A, B, C and D), and the ratio of literate to illiterate people in those villages.

• Question No. 118

What is the percentage of literate people in all the four villages together?

Options :

1. 67%

2. 65%

3. 72%

4. 70%

5.

Answer : 70%

- Question No. 119

If 10th May of a given year is Monday, what day of the week will be 11th July of the same year?

Options :

1. Sunday
2. Thursday
3. Monday
4. Tuesday
- 5.

Answer : Sunday

- Question No. 120

In a queue of commanders, Andry is 17th from the extreme front-end and Brooke is 32nd from the extreme back-end. If the two exchange their positions, Andry becomes 37th from the front end. What is the total number of commanders?

Options :

1. 68
2. 67
3. 69
4. 70
- 5.

Answer : 68

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