- Question No. 1

Which Article of the Indian Constitution is related with the oath or affirmation by judges of high courts?

Options :

1. 187

2. 256

3. 219

4. 231

5.

Answer : 219

- Question No. 2

The reproductive parts in animals produce male and female gametes that fuse to form a:

Options :

1. Ovum

2. Foetus

3. Embryo

4. Zygote

5.

Answer : Zygote

- Question No. 3

Indian men's hockey team won the bronze medal by defeating which country in Tokyo 2020 Summer Olympics in August 2021?

Options :

1. Australia

2. Germany

3. Netherland

4. Belgium

5.

Answer : Germany

- Question No. 4

The Sanskrit drama 'Ratnavali', about the love story of Princess Ratnavali is said to have been written by _____.

Options :

1. Kalidasa

2. Harsha

3. Bhavabhuti

4. Vishakhadutta

5.

Answer : Harsha

- Question No. 5

As of February 2022, how many elements are there in the Modern Periodic Table?

Options :

1. 148

2. 118

3. 108

4. 138

5.

Answer : 118

- Question No. 6

Valley of the Kings-one of the most important archaeological sites in the world is located in _____.

Options :

1. Egypt

2. Norway

3. Turkey

4. Thailand

5.

Answer : Egypt

- Question No. 7

In which of the following years was the Bengal State Prisoners Regulation (Bengal Regulation III) passed?

Options :

1. 1876

2. 1857

3. 1818

4. 1812

5.

Answer : 1818

- Question No. 8

Which of the following is NOT an example of rocks?

Options :

1. Granite

2. Asphalt

3. Schist

4. Basalt

5.

Answer : Asphalt

- Question No. 9

Alha singing is a prominent genre of folk songs of some parts of:

Options :

      1. Assam

      2. Punjab

      3. Uttar Pradesh

      4. Odisha

      5.

Answer : Uttar Pradesh

- Question No. 10

Who received the World Food Prize 2021, for unlocking the benefits of fish for diet, health and livelihood Across the Global South?

Options :

      1. Dr Shakuntala Haraksingh Thilsted

      2. Dr Rattan Lal

      3. Dr Sanjaya Rajaram

      4. Dr Modadugu Vijay Gupta

      5.

Answer : Dr Shakuntala Haraksingh Thilsted

- Question No. 11

The Valmiki Ambedkar Awas Yojana is aimed at providing:

Options :

1. infrastructure for all the citizens

2. housing and toilet facilities to slum dwellers living below poverty line

3. Foodgrains to slum dwellers living below poverty line

4. financial assistance to slum dwellers living below poverty line

5.

Answer : housing and toilet facilities to slum dwellers living below poverty line

- Question No. 12

Into how many books is the Akbar Nama divided?

Options :

1. 3 books

2. 4 books

3. 2 books

4. 5 books

5.

Answer : 3 books

- Question No. 13

Which of the following lakes is a brackish water lake?

Options :

1. Pulicat Lake

2. Dal Lake

3. Loktak Lake

4. Wular Lake

5.

Answer : Pulicat Lake

- Question No. 14

  Who among the following is the supreme commander of the Indian armed forces?

  Options :

    1. Prime Minister

    2. President

    3. Defence Minister

    4. Speaker of Lok Sabha

    5.

  Answer : President

- Question No. 15

  Which of the following is an example of a living fossil tree?

  Options :

    1. Ginkgo biloba

    2. Funaria

    3. Silver oak

    4. Dryopteris

    5.

  Answer : Ginkgo biloba

- Question No. 16

  The Sattriya dance form was introduced by _____ in 15th Century AD in Assam.

  Options :

    1. Mahapurusha Srimanta Sankaradeva

    2. Raja Bhag Chandra

    3. Guru Pankaj Charandas

4. Jayaprabha Menon

5.

Answer : Mahapurusha Srimanta Sankaradeva

- Question No. 17

In which Schedule of the Constitution of India were 22 languages mentioned?

Options :

1. 8th Schedule

2. 4th Schedule

3. 5th Schedule

4. 3rd Schedule

5.

Answer : 8th Schedule

- Question No. 18

Which of the following countries does NOT have direct access to any sea?

Options :

1. Myanmar

2. Bangladesh

3. Nepal

4. Pakistan

5.

Answer : Nepal

- Question No. 19

Who approved a policy on declassification of war histories in June 2021?

Options :

1. Amit Shah

2. Jyotiraditya M Scindia

3. Rajnath Singh

4. Narendra Modi

5.

Answer : Rajnath Singh

- Question No. 20

What is the default alignment of numbers in an Excel worksheet?

Options :

1. Justify

2. Center

3. Right

4. Left

5.

Answer : Right

- Question No. 21

'Huli Vesha' is a popular folk dance in the coastal region of _____.

Options :

1. Kerala

2. Odisha

3. Gujarat

4. Karnataka

5.

Answer : Karnataka

- Question No. 22

In which type of chemical reaction do crystals of ferrous sulphate lose water on heating and the colour of the crystals changes from light green to white?

Options :

1. Decomposition reaction

2. Combination reaction

3. Displacement reaction

4. Double displacement reaction

5.

Answer : Decomposition reaction

- Question No. 23

As per UN (World Population Prospects 2019)_____ led the ranking for countries with the highest population density in 2019.

Options :

1. Netherlands

2. Sweden

3. Hong Kong

4. Monaco

5.

Answer : Monaco

- Question No. 24

Which of the following states has zero Scheduled Tribe population as per Census 2011?
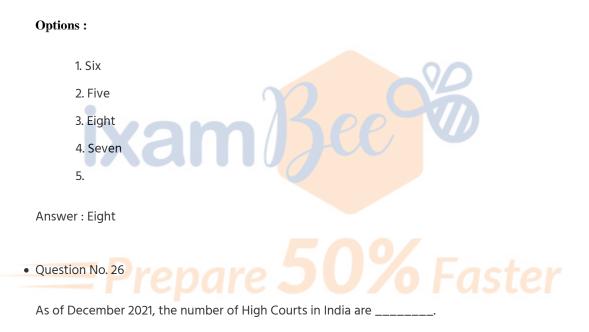
Options :

1. West Bengal

2. Maharashtra

3. Punjab

4. Assam

5.

Answer : Punjab

- Question No. 25

How many gold medals did India win in the Asian Junior Boxing Championship 2021 in Dubai?

Options :

1. Six

2. Five

3. Eight

4. Seven

5.

Answer : Eight

- Question No. 26

As of December 2021, the number of High Courts in India are _____.

Options :

1. 25

2. 30

3. 28

4. 20

5.

Answer : 25

- Question No. 27

When we divide NNP (Net national product) by the total population of a nation we get _____.

Options :

1. per capita income

2. resource growth

3. Gross National Product

4. external dividend

5.

Answer : per capita income

- Question No. 28

Where was the first 'Open Rock Museum' inaugurated by the Union Minister of State for Science & Technology and Earth Sciences, on January 6, 2021?

Options :

1. Hyderabad

2. Guwahati

3. Kochi

4. Bhubaneshwar

5.

Answer : Hyderabad

- Question No. 29

The first railway line in India was laid in the year 1853 from Bombay to _____.

Options :

1. Thane

2. Nagpur

3. Pune

4. Nasik

5.

Answer : Thane

- Question No. 30

Which of the following economic activities falls under the primary sector?

Options :

1. Mining

2. Education

3. Banking

4. Manufacturing

5.

Answer : Mining

- Question No. 31

With reference to the Green Revolution in India, what is the full form of HYVP?

Options :

1. High-Yielding Varieties Programme

2. High-Yielding Varieties Plants

3. High-Yielding Varieties Pattern

4. High-Yielding Varieties Patent

5.

Answer : High-Yielding Varieties Programme

- Question No. 32

Which of the following sites of Indus Valley Civilization is located in Punjab (India)?

Options :

1. Banawali

2. Balu

3. Kot Diji

4. Ropar

5.

Answer : Ropar

- Question No. 33

Which type of missile was the Python-5 test fired by DRDO in April 2021?

Options :

1. Air-to-Air Missile

2. Anti-radiation Missile

3. Air-to-Surface Missile

4. Surface-to-Surface Missile

5.

Answer : Air-to-Air Missile

- Question No. 34

The famous Sardar Sarovar dam has been built on which of the following rivers?

Options :

1. Narmada

2. Sutlej

3. Ganga

4. Godavari

5.

Answer : Narmada

- Question No. 35

  Who among the following was a British reformer, a campaigner for women's rights and a supporter of Indian nationalisın?

  Options :

  1. Annie Besant

  2. Josephine Butler

  3. Florence Nightingale

  4. William Wilberforce

  5.

  Answer : Annie Besant

- Question No. 36

  Which of the following ports is located on the western coast of India?

  Options :

  1. Ennore

  2. Haldia

  3. Cochin

  4. Paradip

  5.

  Answer : Cochin

- Question No. 37

  The intervention by the monetary authority of a country in the money market to keep the money supply stable against external shocks is called _____.

  Options :

  1. sterilisation

2. reserve deposit

3. speculative demand

4. statutory liquidity

5.

Answer : sterilisation

- Question No. 38

Who laid the foundation stone of Shri Parvati Temple at Somnath in August 2021?

Options :

1. Narendra Modi

2. Amit Shah

3. Bhupendra Patel

4. Vijay Rupani

5.

Answer : Narendra Modi

- Question No. 39

Who became the first Indian female athlete to win two individual Olympic medals?

Options :

1. Mirabai Chanu

2. Dutee Chand

3. PV Sindhu

4. Ankita Raina

5.

Answer : PV Sindhu

- Question No. 40

The First Human Development Report was published by the United Nations Development Programme (UNDP) in the year _____.

Options :

1. 1905

2. 1945

3. 1990

4. 1980

5.

Answer : 1990

- Question No. 41

Which of the following is NOT a major factor affecting the population change in a region?

Options :

1. Occupational composition

2. Death rate

3. Birth rate

4. Migration

5.

Answer : Occupational composition

- Question No. 42

SPIC MACAY (Society for the Promotion of Indian Classical Music And Culture Amongst Youth) is a non-political, nationwide, voluntary movement founded in _____.

Options :

1. 1979

2. 1977

3. 1970

4. 1973

5.

Answer : 1977

- Question No. 43

During the Mauryan reign, which of the following provinces was considered as the gold mine hub in Karnataka?

Options :

1. Tosali

2. Ujjayini

3. Taxila

4. Suvarnagiri

5.

Answer : Suvarnagiri

- Question No. 44

Which of the following keyboard shortcuts is used to lock your Windows 10 PC?

Options :

1. Windows logo key + K

2. Ctrl + L

3. Ctrl + K

4. Windows logo key + L

5.

Answer : Windows logo key + L

- Question No. 45

The spring festival celebrated by the Konyak tribe of Nagaland is known as _____.

Options :

1. Mopin

2. Garia Pooja

3. Myoko

4. Aoleang Monyu

5.

Answer : Aoleang Monyu

- Question No. 46

Which Five-Year Plan aimed at accelerating food grain production, increasing employment opportunities and raising productivity with focus on 'food, work and productivity'?

Options :

1. Seventh

2. Sixth

3. First

4. Fourth

5.

Answer : Seventh

- Question No. 47

In 2019, archaeologists unearthed a rare treasure in the form of a life-sized stucco sculpture from _____. a Buddhist site which represents one of the Bhodhisattvas in Jathaka Chakra.

Options :

1. Udayagiri

2. Sarnath

3. Khandgiri

4. Phanigiri

5.

Answer : Phanigiri

- Question No. 48

How many technology innovation platforms have been launched by the Central Government for development of technologies for globally competitive manufacturing in India in July 2021?

Options :

1. Six

2. Five

3. Eight

4. Seven

5.

Answer : Six

- Question No. 49

The power of the Parliament to amend the Constitution of India is described in:

Options :

1. Article 360

2. Article 352

3. Article 368

4. Article 395

5.

Answer : Article 368

- Question No. 50

_____ is defined as the output per unit of variable input.

Options :

1. Capital products

2. Average product

3. Gross product

4. Net product

5.

Answer : Average product

- Question No. 51

An information is given, followed by two statements labelled I and II. Identify which of the statements is/are

possible reason(s) behind the given information.

Information:

This year, schools will have to operate on a hybrid model i.e. online as well physical school.

Statements:

I. Many parents are still not willing to send their children to places with large gatherings owing to a pandemic

II. In schools, seating capacity will not be adequate to accommodate all the enrolled students owing to the social

distancing norms.

Options :

1. Neither statement I nor II is a possible reason.

2. Both statements I and II are possible reasons.

3. Only statement I is a possible reason.

4. Only statement II is a possible reason.

5.

Answer : Both statements I and II are possible reasons.

- Question No. 52

Read the given statements and conclusions carefully. Decide which of the given conclusion's follow based on the statements.

Statements:

P > Z, N N, Z > M

Conclusions:

I. P

II. N

Options :

1. Neither I nor II is true

2. Both I and II are true

3. Only II is true

4. Only I is true

5.

Answer : Only II is true

- Question No. 53

Rubi and Juhi are sisters. Krishna is Johi's father's father. Reshms in the mother of Arvind. Arvind is the father of Rohit,

who is the only brother of Rubi. How is Krishna related to Rohit?

Options :

1. Mother's brother

2. Father's father

3. Father

4. Mother's father

5.

Answer : Father's father

- Question No. 54

Six people A, B, C, D, E and F are sitting around a circular table facing the centre. C sits second to the left of B. E is an immediate neighbour of B. F sits third to the left of E.   D sits second to the left of A, who sits to the immediate right of A?

Options :

1. E
2. B
3. C
4. F
5.

Answer : C

- Question No. 55

There are 3 badminton players in each stream -Commerce, Science and Arts. A, B and C are from Commerce. P, Q and R are from Science. J, K and L are from Arts. A team of 4 badminton players are to be sent for a tournament with following conditions:

(i) There must be at least one student from each stream.

(ii) P will not go with Q or R.

(iii) A and C will always go together.

(iv) K and L will always go together.

Which of the following combinations of players is a possible combination for the tournament?

Options :

1. A, C, P and J
2. A, Q, R and J
3. B, Q. J and K

4. B, P, R and J

5.

Answer : A, C, P and J

- Question No. 56

The following question is based on the given words.

PLAN   FORE   RAMP   RANG   SAND

If in each word, the fourth letter is changed to the next letter in the English alphabetical order, how many letter clusters thus formed will have two vowels?

Options :

1. Two
2. Three
3. None
4. One
5.

Answer : Two

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

In a boat, people are sitting in two parallel rows, with five people each in a row, in such a way that there is equal distance between adjacent persons.

In the first row, Mani, Nani, Alex, Puri and Tuli are seated (not necessarily in the same order) and all of them are facing south.

In the second row, Sharma, Atkin, Putin. Neha and Priya are seated (not necessarily in the same order) and all of them are facing north.

Therefore, people in the opposite rows face each other in this arrangement. Priya sits third to the right of Atkin. Atkin sits at one of the extreme ends. Sharma sits second to the left of Priya. The person facing Sharma sits to the immediate right of Nani. Puri sits second to left of Nani. Mani is not an immediate neighbour of Nani. Only two

people sit between Mani and Alex. Neither Nani nor Mani faces Neha.

- Question No. 57

Who among the following is facing Tuli?

Options :

    1. Sharma

    2. Priya

    3. Neha

    4. Atkin

    5.

Answer : Sharma

- Question No. 58

In a certain code language, 'cip civ cin' is written as 'life is good', 'cip cin er' is written as 'love is life'. How will 'love' written as in that language?

Options :

    1. cin

    2. oob

    3. er

    4. cip

    5.

Answer : er

- Question No. 59

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

Statements:

A > Z ≥ P > M, P

Conclusions:

I. A > R

II. M

Options :

1. Only II is true

2. Only I is true

3. Neither I nor II is true

4. Both I and II are true

5.

Answer : Only II is true

- Question No. 60

In the data set given below, what is the difference between the Median and the Mode?

{2.1, 5, 6, 7, 8, 9.3,11,15, 17, 19.21, 27, 31, 31, 33, 16.5, 14, 10}

Options :

1. 19

2. 17

3. 10

4. 15

5.

Answer : 17

- Question No. 61

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

A_ _BD_CEB_ _ CEB_

Options :

1. CEADAD

2. CDADEA

3. CADADE

4. CDAEAD

5.

Answer : CEADAD

- Question No. 62

There are eight persons–Manoj, Nitya, Varun, Pranay, Kali, Reva, Sarayu and Teena. All of them are sitting in a straight row and are facing North but not necessarily in the same order. There are only two persons sitting between Reva and Pranay. The number of persons sitting between Kali and Manoj is the same as the Number of persons sitting between Pranay and Sarayu. Varun is not a neighbour of Sarayu. Sarayu is sitting to the immediate left of Nitya. Kali is sitting second to the left of Reva. Reva is fourth from the extreme right end. Manoj sits at one of the extreme ends of the row. Teena sits to the immediate right of Kali. How many persons are seated to the left of Nitya?

Options :

1. Three

2. Four

3. One

4. Six

5.

Answer : Six

- Question No. 63

Read the given statements and conclusions carefully. Decide which of the given conclusions is are true based on the statements.

Statements:

K = P Q : Q > L

Conclusions:

I. Q

II. K > L

Options :

1. Both conclusions I and II are true

2. Neither conclusion I nor II is true

3. Only conclusion II is true

4. Only conclusion I is true

5.

Answer : Both conclusions I and II are true

- Question No. 64

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 fellow(s) from the statements

Statements:

All men are robots

All robots are machines.

Conclusions:

I. All machines are men.

II. Some robots are men.

Options :

1. Only conclusion I follows

2. Neither conclusion I nor II

3. Both conclusions I and II follow follows

4. Only conclusion II follows

5.

Answer : Only conclusion II follows

- Question No. 65

Ramdin started from his office and walked 15 km in the south direction and reached the bus stop, and then turned to his left and walked 8 km straight on the road. From there, he turned to his left, walked 15 km and reached the Central Library. After this, he turned to his left again and walked 4 km to reach his hostel. How far and in which direction is the hostel with respect to his office?

Options :

1. 12 km towards North

2. 7 km towards South

3. 4 km towards West

4. 4 km towards East

5.

Answer : 4 km towards East

- Question No. 66

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. 21 : 420

2. 25 : 600

3. 17 : 272

4. 15 : 208

5.

Answer : 15 : 208

- Question No. 67

Ten people are sitting in two parallel rows 1 and 2. A, B, C, D and E are sitting in row 1 facing the North and V, W, X, Y and Z are sitting in row 2 facing the South, in such a way that each member in row 1 faces a member of row 2. Neither A nor B sit at any of the extreme ends of the row. A sits second to the right of B. The one who faces B is an immediate neighbour of Z. Y sits second to the left of Z. The one who faces Y sits second to the left of C. W sits second to the right of V. D is not an immediate neighbour of A.

Who faces E?

Options :

1. Y
2. W
3. V
4. X
5.

Answer : Y

- Question No. 68

In a class, four students ranked between Rahul and Sreeja. Sreeja ranked 14th from the top while Rahul ranked 7th from the bottom. How many students are there in the class?

Options :

1. 25
2. 26
3. 21
4. 20
5.

Answer : 25

- Question No. 69

BYTEW is related to YWTEB following a certain logic. Following the same logic, AMFQC is related to QMFCA. Which of the following is TILDW related to following the same logic?

Options :

1. LIIWD

2. WTLID

3. WILDT

4. WLITD

5.

Answer : WTLID

- Question No. 70

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

86, 89, 95, 104, ?, 131, 149

Options :

1. 122

2. 116

3. 114

4. 113

5.

Answer : 116

- Question No. 71

Read the given statements and conclusions carefully, Assuming that the information given in the statements is time, 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 dogs are donkeys

No donkey is a horse

Conclusions:

I. Some dogs are not horses

II. Some horses are dogs

Options :

1. Only conclusion II follows.

2. Both conclusions I and II follow.

3. Neither conclusion I nor II follows.

4. Only conclusion I follows.

5.

Answer : Only conclusion I follows.

- Question No. 72

In a certain code language. 'RICE' is coded as '5136', 'FUR' is coded as '327', and 'FIN' is coded as '785'. How will 'FUN'

probably be coded in that language?

Options :

1. 258

2. 182

3. 872

4. 718

5.

Answer : 872

- Question No. 73

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 three 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.

21, 9, 40 = 149

18, 7, 25 = 101

15, 11, 30 = ?

Options :

1. 110
2. 120
3. 125
4. 135
5.

Answer : 135

- Question No. 74

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

DI, GO, LU, OA, TG, ?

Options :

1. WM
2. WL
3. YM
4. UL
5.

Answer : WM

- Question No. 75

Study the following arrangement of letters, numbers, symbols and answer the question that follows.

(Left) € A 5 # 6 ☐ 5 D P A ¥ 8 R 2 Z * Q 9 B L 5 6 % S H 2 F # 6 (Right)

How many such letters are there in the above series, each of which is immediately preceded by a symbol and immediately followed by a number?

Options :

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

Answer : 2

- 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 :: DAJKO : WZQPL :: JEWAD : ?

Options :

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

Answer : QVDZW

- Question No. 77

Swetha correctly remembers that Ajay's exam is before Friday but after Tuesday. Kavya correctly remembers that Ajay's exam is after Wednesday but before Saturday. On which of the following days does Ajay's exam correctly fall?

Options :

1. Tuesday

2. Wednesday

3. Monday

4. Thursday

5.

Answer : Thursday

- Question No. 78

A bank in to the east of a shop. A college is to the north-west of the Bank. A bus stop is to the north of the shop and to the west of the college. In which direction is the college with respect to the shop?

Options :

1. North-west

2. East

3. North-east

4. North

5.

Answer : North-east

- Question No. 79

D, E, L, M, R, S, Y and Z 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.

D sits in the middle of one of the sides of the table. Only one person sits between D and E. L sits to the immediate right of E. Only three people sit between L and M when counted from the right of L. R is an immediate neighbour of L. S sits to the immediate left of Y. Who sits third to the right of Z?

Options :

1. R

2. S

3. Y

4. D

5.

Answer : R

- Question No. 80

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

Question:

How is Damini related to Bhola?

Statements:

I. Tika has only one son. Bhola and only one daughter, Kamala.

II. Damini is Roma's son's wife. Kamala is the only daughter of Roma. Meghan is the daughter of Bhola.

Options :

1. Statement II alone is sufficient, while Statement I alone is not sufficient to answer the question.

2. Statement I alone is sufficient, while Statement II alone is not sufficient to answer the question.

3. Both Statements I and II together are sufficient to answer the question.

4. Statements I and II together are not sufficient to answer the question.

5.

Answer : Statement II alone is sufficient, while Statement I alone is not sufficient to answer the question.

- Question No. 81

It was Thursday on February 1, 2007. What was the day of the week on February 2, 2006?

Options :

1. Saturday

2. Thursday

3. Friday

4. Wednesday

5.

Answer : Thursday

- Question No. 82

111 In a certain code language, 'MISTAKE' is written as 'LHRUBLF' and 'PROBLEM' is written as 'OQNCMFN' How will 'STRANGE' be written in that language?

Options :

1. TUSAOHF

2. TUSBMFD

3. RSQBOHF

4. RSQBMFD

5.

Answer : RSQBOHF

- Question No. 83

In a certain code language, each word is given a number code. Accordingly, 1875 means 'wound the round watch', 6143 means 'a cake is round, and 7321 means 'watch a round wheel. Find the code for 'watch'.

Options :

1. 8

2. 1

3. 5

4. 7

5.

Answer : 7

- Question No. 84

If $6y^2 - 13y + 6 = 0$, then find the product of the two roots of the equation.

Options :

1. −1

2. 1

3. −13 /6

4. 13/6

5.

Answer : 1

- Question No. 85

The surface area of a sphere is 61600 sq. cm. Find the volume of the sphere (in cube m). [Use π = 22/7]

Options :

1. 4.312/3

2. 4.312

3. 43.12/3

4. 43.12

5.

Answer : 4.312/3

- Question No. 86

From the given options, which two numbers should be interchanged so that the value of Y becomes 29?

6 × 4 – 5 + 9 ÷ 3 = Y

Options :

1. 5 and 3

2. 4 and 5

3. 6 and 9

4. 9 and 3

5.

Answer : 4 and 5

- Question No. 87

If $\sqrt{3}\tan 2\theta - 3 = 0$, then find the value of $\tan\theta\sec\theta - \sin\theta$ where 0

Options :

1. 7/6

2. 5/6

3. 2/3

4. 1/6

5.

Answer : 1/6

- Question No. 88

$$\frac{9}{15} \times \frac{45}{18} \times \left\{\frac{49}{6} \times \left(\frac{16}{7} - 2\right)\right\} \times \frac{24}{5} \div \frac{16}{15} = ?$$

Options :

1. 5/9

2. 63/4

3. 2/7

4. 9/5

5.

Answer : 63/4

- Question No. 89

A circular racing track has been developed in a field. If the difference between the outer circumference and the inner circumference of the racing track is 33 m, then find the width of the track (in m).

(Use π = 22/7)

Options :

1. 5(1/4)

2. 5(3/4)

3. 5(1/4)

4. 4(3/4)

5.

Answer : 5(1/4)

- Question No. 90

Two chords AB and CD of a circle intersect at a point F outside the circle.

If AF = 12 cm, BF = 4 cm, and CF = 16 cm, find the length of CD.

Options :

1. 13 cm

2. 12 cm

3. 11 cm

4. 10 cm

5.

Answer : 13 cm

- Question No. 91

Which of the following numbers is divisible by 30?

Options :

1. 34560

2. 45670

3. 23450

4. 12340

5.

Answer : 34560

- Question No. 92

What is the smallest cubic number, which is divisible by 72, 108, and 300?

Options :

1. 3375

2. 27000

3. 5400

4. 21600

5.

Answer : 27000

- Question No. 93

The length of each edge of a cube is 2.6 cm. What is the total surface area (in cm²) of the cube?

Options :

1. 39.96

2. 40.56

3. 40.76

4. 40.36

5.

Answer : 40.56

- Question No. 94

Ravi has to go from Hyderabad to Delhi. The distance between Hyderabad and Delhi is 1,200 km. He decides to travel 25% of the distance on foot, 30% of the distance by bus, 15% of the distance by train, and the remaining distance by an airplane. What is the distance traveled by Ravi by Airplane?

Options :

1. 300 km

2. 360 km

3. 580 km

4. 425 km

5.

Answer : 360 km

- Question No. 95

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

67.96 + 5.12 − 0.89 + 31.88 = ?

Options :

1. 73

2. 35

3. 48

4. 150

5.

Answer : 73

- Question No. 96

  A certain sum amounts to ₹22,494 in 7 years at x% per annum on simple interest. If the rate of simple interest per annum had been (x + 4) %, the amount payable after 7 years would have been ₹25,917. Find the sum invested.

  Options :

  1. ₹11,975
  2. ₹12,275
  3. ₹12,175
  4. ₹12,225
  5.

  Answer : ₹12,225

- Question No. 97

  In a mixture of 90 liters, the ratio of milk to water is 4 : 1. In another mixture of 90 liters, the ratio of milk to water is 3: 2. What is the positive difference between the quantities of milk in the two mixtures?

  Options :

  1. 23 liters
  2. 18 liters
  3. 16 liters
  4. 22 liters
  5.

  Answer : 18 liters

- Question No. 98

  Sudhir is 4.5 times as efficient as Aarav. If they work together, they can complete a piece of work in 8 days. How many days will Aarav take to do the same work alone?

  Options :

1. 36

2. 48

3. 44

4. 40

5.

Answer : 44

- Question No. 99

A solid metallic sphere of radius 3 cm is melted and drawn into a wire of thickness 4 mm. What is the length of the wire (in m)?

Options :

1. 9.25

2. 7.5

3. 9

4. 8

5.

Answer : 9

- Question No. 100

A sum of ₹9,800 was invested for a year at 10% interest per annum, compounded half-yearly. What would be the interest payable at the end of the year?

Options :

1. ₹1,003.50

2. ₹1,004.50

3. ₹1,005.60

4. ₹980

5.

Answer : ₹1,004.50

- Question No. 101

In the data set given below, what is the difference between the Median and the Mode?

{2.1, 5, 6, 7, 8, 9.3,11,15, 17, 19.21, 27, 31, 31, 33, 16.5, 14, 10}

Options :

1. 19
2. 17
3. 10
4. 15
5.

Answer : 17

- Question No. 102

A can complete 12% of the work in 15% of the allotted time. A and B worked for the entire period of the allotted time and the work was completed on time. What portion of the work was done by B?

Options :

1. 10%
2. 20%
3. 15%
4. 25%
5.

Answer : 20%

- Question No. 103

The average weight of 14 students of a class is 20 kg. If a student leaves the class, the average weight of the class drops by 2 kg. Find the weight of the student (in kg) who left the class.

Options :

1. 43

2. 45

3. 46

4. 49

5.

Answer : 46

- Question No. 104

The sum of two numbers is 17 while the sum of their squares is 157. Find the sum of the cubes of those two numbers.

Options :

1. 3791
2. 3094
3. 1491
4. 1547
5.

Answer : 1547

- Question No. 105

The area of a rectangle is 453.6 m². If its length is 27 m, then what is the perimeter of the rectangle?

Options :

1. 86.6 m

2. 87.6 m

3. 85.4 m

4. 89.8 m

5.

Answer : 87.6 m

- Question No. 106

Find the product of the greatest among the numbers 0.82, 0.802, 0.85, 0.085 with the smallest among the numbers 0.3, 0.03, 0.203, 2.03 is 0.0255.

Options :

1. 0.246

2. 0.0255

3. 0.0225

4. 0.2406

5.

Answer : 0.0255

- Question No. 107

The amount payable on maturity of a certain sum which is invested for 5 years at a certain rate percent p. a. is ₹9,800 and the amount payable on the same sum invested for 10 years at the same rate is ₹12,600. If simple interest is offered in both cases, the rate of interest p. a. is:

Options :

1. 10%

2. 7.8%

3. 8.5%

4. 8%

5.

Answer : 8%

- Question No. 108

Sunita won 3/5 of the marbles that were there at the beginning of the game. Ravi won 2/3 of the remaining marbles while Sunny won the remaining 60 marbles. How many marbles did Sunita win?

Options :

1. 240

2. 285

3. 270

4. 255

5.

Answer : 270

- Question No. 109

A family spends ₹4,600, ₹5,600, ₹4,800, ₹3,800, and ₹6,000 on groceries in the first 5 months of a year. How much should the family spend in the 6th month to make the 6-month average spending of the family on groceries to ₹4,500?

Options :

1. ₹2,200

2. ₹3,650

3. ₹4,500

4. ₹3,500

5.

Answer : ₹2,200

- Question No. 110

Arushi was to multiply a number by 2.4, but instead multiplied by 4.2. If the product she obtained was 65.1, then what is the correct product that she should have got?

Options :

1. 36.50

2. 46.88

3. 37.20

4. 113.93

5.

Answer : 37.20

- Question No. 111

The LCM of two numbers is 20 times their HCF, and the sum of the LCM and the HCF is 504. If the difference of the numbers is 24, then find the sum of the numbers.

Options :

1. 210

2. 180

3. 225

4. 216

5.

Answer : 216

- Question No. 112

The present average age of X, Y, and Z is 44 years. 8 years ago the average age of X and Y was 38 years. What is the present age of Z?

Options :

1. 39 years

2. 38 years

3. 41 years

4. 40 years

5.

Answer : 40 years

- Question No. 113

A sum of money at certain rate of interest when compounded annually becomes ₹625 in 3 years and ₹675 in 4 years. What is the rate of Interest per annum?

Options :

1. 8%

2. 4%

3. 7%

4. 6%

5.

Answer : 8%

- Question No. 114

If 32% of $22.5 - \frac{2}{3} \times \sqrt[3]{512} \times \sqrt{81}$ = y, then the value of y is:

Options :

1. −40.2

2. −41.2

3. −40.8

4. −41.8

5.

Answer : −40.8

- Question No. 115

Evaluate $\dfrac{\cos^2(45° + \theta) + \cos^2(45° - \theta)}{\text{cosec}^2\,30°\,\sin^2\,45° - \sec^2\,60°}$

Options :

1. −1/2

2. −1/6

3. 1/6

4. ½

5.

Answer : –1/2

- Question No. 116

A train covers 57.6 km in 48 minutes. What is its speed in m/s?

Options :

1. 20

2. 24

3. 21

4. 18

5.

Answer : 20

- Question No. 117

A train running at 90 km/h crosses an electric pole in 18 seconds and a platform in 65 seconds. What is the length of the platform?

Options :

1. 1175 m

2. 1250 m

3. 1050 m

4. 1020 m

5.

Answer : 1175 m

- Question No. 118

A shopkeeper mixes 30 kg of rice which he purchased at ₹30/kg and 40 kg of rice which he purchased at ₹28/kg and he sells the entire mixture at ₹28/kg. What is the profit or loss percentage (approximated to the nearest integer)?

Options :

1. 5% loss

2. 5% profit

3. 6% loss

4. 7% profit

5.

Answer : 5% loss

- Question No. 119

2 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. 9 : 4

2. 5 : 6

3. 12 : 13

4. 1 : 1

5.

Answer : 12 : 13

- Question No. 120

The ratio of the length, width, and height of a cuboid is 4: 3 : 5 and the sum of the lengths of all its edges is 144 cm. Find the total surface area of the cuboid.

Options :

1. 1620 cm^2

2. 1026 cm^2

3. 756 cm^2

4. 846 cm^2

5.

Answer : 846 cm^2

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