- Question No. 1

  The IPCC is the United Nations body for assessing the science related to climate change. IPCC stands for:

  Options :

  1. Intergovernmental Provision on Climate Change
  2. International Panel on Climate Change
  3. International Provision on Climate Change
  4. Intergovernmental Panel on Climate Change
  5.

  Answer : Intergovernmental Panel on Climate Change

- Question No. 2

  Nile River was known as the backbone of which country?

  Options :

  1. Sudan
  2. Egypt
  3. Saudi Arabia
  4. Morocco
  5.

  Answer : Egypt

- Question No. 3

  Allarakha Qureshi who is popularly known as Alla Rakha, is an Indian _____ player.

  Options :

  1. Veena
  2. Dholak

3. Tabla

4. Sitar

5.

Answer : Tabla

- Question No. 4

The marginal propensity to consume (MPC) refers to the:

Options :

1. rate of change of consumption as income changes

2. savings per unit of income

3. consumption per unit of income

4. change in savings per unit change in income

5.

Answer : rate of change of consumption as income changes

- Question No. 5

Majuli, the largest riverine island in the world, is associated with which of the following rivers?

Options :

1. Brahmaputra

2. Ganga

3. Indus

4. Godavari

5.

Answer : Brahmaputra

- Question No. 6

Who appoints the Union Council of Ministers?

Options :

1. The Prime Minister of India
2. The Parliament
3. The President of India according to his own discretion
4. The President of India on the advice of the Prime Minister
5.

Answer : The President of India on the advice of the Prime Minister

- Question No. 7

When did the Maharashtra government launch the 'Jail Tourism' initiative?

Options :

1. November 2021
2. May 2021
3. August 2021
4. January 2021
5.

Answer : January 2021

- Question No. 8

For which novel did Valeria Luiselli win the International Dublin Literary Award 2021?

Options :

1. Lost Children Archive
2. The Story of My Teeth
3. Sidewalks
4. Faces in the Crowd
5.

Answer : Lost Children Archive

- Question No. 9

On _____, the Constituent Assembly set up a Drafting Committee under the Chairmanship of Dr. B.R. Ambedkar to prepare a Draft Constitution for India.

Options :

1. 29 August, 1947
2. 20 August, 1947
3. 18 August, 1947
4. 25 August, 1947
5.

Answer : 29 August, 1947

- Question No. 10

To increase fish consumption, which state inaugurated the 'Aqua Bazaar' and 'Aqua Hub' project on 21 November 2020?

Options :

1. Andhra Pradesh
2. Kerala
3. West Bengal
4. Goa
5.

Answer : Andhra Pradesh

- Question No. 11

Which of the following has four chambered heart?

Options :

1. Peacock

2. Sea horse

3. Frog

4. Fish

5.

Answer : Peacock

- Question No. 12

The first ever Industrial Policy Resolution of India was announced in the year _____.

Options :

1. 1952

2. 1955

3. 1948

4. 1960

5.

Answer : 1948

- Question No. 13

_____ is an order or order given by a superior court to a subordinate court or tribunal or public authority if it is not discharging its duty.

Options :

1. Habeas Corpus

2. Mandamus

3. Certiorari

4. Quo Warranto

5.

Answer : Mandamus

- Question No. 14

Which of the following can be defined as the process in which the government sells a majority stake to one or more companies while the government still owns it and remains as a minority stakeholder?

Options :

1. Divestment
2. Displacement
3. Delegation
4. Divergence
5.

Answer : Divestment

- Question No. 15

A consumer's optimal bundle is located at the point of tangency between the budget line and _____.

Options :

1. indifference curve
2. law of demand
3. income effect
4. monotonicity
5.

Answer : indifference curve

- Question No. 16

Which of the following is an element with atomic number 30 as per the modern periodic table?

Options :

1. Ni
2. Fe

3. Zn

4. Co

5.

Answer : Zn

- Question No. 17

  In Vaishnavism, how many avatars or incarnation of deity were recognised?

  Options :

  1. 5

  2. 7

  3. 9

  4. 10

  5.

  Answer : 10

- Question No. 18

  The Fundamental Duties were added to the Constitution of India in the year:

  Options :

  1. 1966

  2. 1986

  3. 1996

  4. 1976

  5.

  Answer : 1976

- Question No. 19

  Which of the following enzymes is used in the stabilisation of rice bran oil?

Options :

1. Hydrolase
2. Catalase
3. Lipase
4. Cellulase
5.

Answer : Lipase

- Question No. 20

In Contemporary Carnatic music, how many Melakarta ragas are there?

Options :

1. 72
2. 82
3. 62
4. 52
5.

Answer : 72

- Question No. 21

Who became the first official in India to be felicitated with United Nations Asia Environmental Enforcement Award in February 2021 under the Gender Leadership and Impact category?

Options :

1. Birendra Singh Johari
2. Sasmita Lenka
3. Sudarshan Panthee
4. Namita Gokhale
5.

Answer : Sasmita Lenka

- Question No. 22

The Central Pollution Control Board was set up by the government in the year _____.

Options :

1. 1974
2. 1956
3. 1947
4. 1965
5.

Answer : 1974

- Question No. 23

_____ defeated Mahmud Khilji and erected the tower of victory (Vijay Stambha) in Chittorgarh.

Options :

1. Prithviraj Chauhan
2. Jai Chand Gadhawak
3. Rana Sangram Singh
4. Rana Kumbha
5.

Answer : Rana Kumbha

- Question No. 24

Which of the following is the oldest production unit of the Indian Railways?

Options :

1. Rail Wheel Factory

2. Integral Coach Factory

3. Diesel Locomotive Works

4. Chittaranjan Locomotive Works

5.

Answer : Chittaranjan Locomotive Works

- Question No. 25

Article 239 deals with the:

Options :

1. administration of union territories by Lt. Governor

2. administration of union territories by President

3. administration of union territories by Prime Minister

4. administration of union territories by Cabinet Ministers

5.

Answer : administration of union territories by President

- Question No. 26

As per Renewable Fuel Association data, _____ was the world's largest producer of ethanol in the year 2020.

Options :

1. China

2. United States of America

3. Canada

4. Brazil

5.

Answer : United States of America

- Question No. 27

As per Organisation for Economic Co-operation and Development (OECD) data for the year 2020, which country has the highest per capita total spending on health?

Options :

1. USA
2. Canada
3. Russia
4. Germany
5.

Answer : USA

- Question No. 28

Which of the following tropical cyclones had hit the western coast of India in May 2021?

Options :

1. Vardah
2. Tauktae
3. Titli
4. Hudhud
5.

Answer : Tauktae

- Question No. 29

What is sublimation?

Options :

1. Change of a substance directly from a gas to a liquid state.
2. Change of a substance directly from a gas to a solid state
3. Change of a substance directly from liquid to gas state
4. Change of a substance from solid to straight gas state

5.

Answer : Change of a substance from solid to straight gas state

- Question No. 30

Which of the following persons was honoured with the highest award of the Central European University Open Society Award in June 2021?

Options :

1. Deepak Sawant
2. Satyendar Jain
3. Harsh Vardhan
4. KK Shailaja
5.

Answer : KK Shailaja

- Question No. 31

On 3 August 2021, _____ became India's 69th Grandmaster of Chess at the Biel Masters Open.

Options :

1. Harshit Raja
2. Nihal Sarin
3. Dommaraju Gukesh
4. Prithu Gupta
5.

Answer : Harshit Raja

- Question No. 32

Bodo language is spoken mainly in which of the following states of India?

Options :

1. Assam
2. Jharkhand
3. Himachal Pradesh
4. Karnataka
5.

Answer : Assam

- Question No. 33

Which of the following is the SI unit of electric charge and is equivalent to the charge contained in nearly 6×10^{18} electrons?

Options :

1. Coulomb
2. Siemens
3. Becquerel
4. Henry
5.

Answer : Coulomb

- Question No. 34

As of December 2021, the total number of nuclear power plants in India is _____ .

Options :

1. 7
2. 9
3. 6
4. 10
5.

Answer : 7

- Question No. 35

Which institute received the Africa Food Prize 2021, for the Tropical Legumes Project that has improved income and food production in sub-Saharan Africa?

Options :

1. National Rice Research Institute (NRRI)
2. Central Arid Zone Research Institute (CAZRI)
3. International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)
4. Indian Institute of Sugarcane Research (IISR)
5.

Answer : International Crops Research Institute for the Semi-Arid Tropics (ICRISAT)

- Question No. 36

As per Human Development Index Ranking (2020), which country has the highest life expectancy at birth(years)?

Options :

1. Norway
2. France
3. Hong Kong, China (SAR)
4. Denmark
5.

Answer : Hong Kong, China (SAR)

- Question No. 37

The Champaran Satyagraha took place in the year _____.

Options :

1. 1915
2. 1910
3. 1912
4. 1917
5.

Answer : 1917

- Question No. 38

In the year 2021, DRDO launched which satellite by PSLV-C51 to enhance India's surveillance capability in the Indian Ocean Region (JOR)?

Options :

1. Satish Dhawan Satellite
2. Sindhu Netra Satellite
3. Sindhu Durga Satellite
4. Sri Shakti Satellite
5.

Answer : Sindhu Netra Satellite

- Question No. 39

Which of the following internet protocols allows us to access the data over the World Wide Web?

Options :

1. DNS
2. SNMP
3. HTTP
4. FIP
5.

Answer : HTTP

- Question No. 40

  Which Indian shooter won two Paralympic medals in the single edition of Paralympic on 3 September 2021?

  Options :

  1. Naresh Sharma
  2. Avani Lekhara
  3. Singhraj Adhana
  4. Manish Narwal
  5.

  Answer : Avani Lekhara

- Question No. 41

  Which of the following is a non-conventional source of energy?

  Options :

  1. Wood
  2. Petrol
  3. Wind
  4. Coal
  5.

  Answer : Wind

- Question No. 42

  According to the Census of India 2011, how many "million-plus cities" were there in India?

  Options :

  1. 53
  2. 47
  3. 58

4. 40

5.

Answer : 53

- Question No. 43

In which of the following states of India is Padayani a ritual dance art form performed at Bhadrakali temple?

Options :

1. Karnataka
2. Maharashtra
3. Kerala
4. Tamil Nadu
5.

Answer : Kerala

- Question No. 44

The Sahitya Akademi was formally inaugurated by the Government of India on 12 March _____.

Options :

1. 1956
2. 1954
3. 1958
4. 1952
5.

Answer : 1954

- Question No. 45

Which ceremonial folk dance of Puducherry is related to the Hindu epic Ramayana, performed at the Villianur temple in Puducherry?

Options :

1. Garadi
2. Hulivesha
3. Dalkhai
4. Tippani
5.

Answer : Garadi

- Question No. 46

Which of the following characters is used to create an absolute address in MS-Excel?

Options :

1. Dollar ($)
2. Ampersand (&)
3. Percent (%)
4. Hash (#)
5.

Answer : Dollar ($)

- Question No. 47

The people of Sikkim celebrate Lhabab Dhnechen which is observed to mark the descent of _____ from heaven back to earth.

Options :

1. Lord Vishnu
2. Lord Buddha
3. Lord Shiva
4. Lord Mahaviira
5.

Answer : Lord Buddha

- Question No. 48

Padma Shri Minati Mishra was an Indian classical dancer and actress, known for her expertise in which of the following Indian classical dance forms?

Options :

1. Kathak
2. Kathakali
3. Bharatanatyam
4. Odissi
5.

Answer : Odissi

- Question No. 49

Bamabodhini Patrika', a journal for women, was edited by _____.

Options :

1. Umeshchandra Dutta
2. Swami Vivekananda
3. Debendranath Tagore
4. Raja Ram Mohan Roy
5.

Answer : Umeshchandra Dutta

- Question No. 50

Which of the following works of Kalidasa is based on the context of the birth of Kartikeya, the son of God Shiva and Goddess Parvati?

Options :

1. Meghaduta
2. Raghuvamsa
3. Kumarasambhava
4. Ritusamhara
5.

Answer : Kumarasambhava

- Question No. 51

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-chunter is related to the third letter-cluster.

CKO : FNL :: FLP : IOM :: DPQ : ?

Options :

1. HRN
2. HRT
3. GSN
4. GST
5.

Answer : GSN

- Question No. 52

Six people - C, D, E, X, Y, and Z, are of different ages. Only one person is younger than Y. X is older than E but younger than D. E is older than Y. Neither D nor C is the oldest.

How many people are older than Z ?

Options :

1. Two
2. Zero
3. Three

4. More than three

5.

Answer : Zero

- Question No. 53

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

86, 74, 62, 54, ?, 42, 38

Options :

1. 50

2. 43

3. 46

4. 44

5.

Answer : 46

- Question No. 54

In a certain code language, 'MUSIC' is written as 'LTTJD', and 'CONCEPT' is written as 'BNMDFQU'. How will 'SINGING' be written in that language?

Options :

1. RHMHJOH

2. RHOHJOF

3. TJOHHOF

4. RHMFHOJ

5.

Answer : RHMHJOH

- Question No. 55

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

AURT, BWSV, CYTX, ?

Options :

1. DZUY
2. DZUZ
3. DAUZ
4. DZUV
5.

Answer : DAUZ

- Question No. 56

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

MDT : PAW :: RFQ : UCT :: LSK : ?

Options :

1. JPH
2. HRN
3. OPN
4. ORH
5.

Answer : OPN

- Question No. 57

In a certain code language,

'see their dresses' is coded as 'ti ve su',

'dresses we see' is coded as 'nx ti ve',

'we see their party' is coded as 'fs ve nx su'.

(Note: All codes are two letter codes only)

What is the probable code for 'party dresses' in the given code language?

Options :

1. ti ve
2. na ti
3. ti fs
4. su na
5.

Answer : ti fs

- Question No. 58

If 1st January 2017 was a Thursday, then what day of the week was it on 31st March of that year?

Options :

1. Friday
2. Tuesday
3. Thursday
4. Wednesday
5.

Answer : Tuesday

- Question No. 59

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. 22, 34
2. 11, 12
3. 25, 42
4. 17, 24
5.

Answer : 25, 42

- 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:

All camels are donkeys.

Some cats are camels

All dolphins are cats.

Conclusions:

I. All dolphins are donkeys.

II. Some dolphins are donkeys.

III. Some donkeys are cats

IV. All cats are donkeys.

Options :

1. Only conclusion IV follows
2. Only conclusion III follows
3. Both conclusions I and III follow
4. Both conclusions II and III follow

5.

Answer : Only conclusion III follows

- Question No. 61

There are five girls in a group, each having a different height. H is shorter than E only. F is not as tall as P. P is shorter than G. Who is the shortest among them?

Options :

1. G
2. E
3. F
4. P
5.

Answer : F

- Question No. 62

There is a group of 6 people: A, B, C, D, E and F (not necessarily in the same order). D is taller than A and E. F is taller than B and C. E is taller than F. A is taller than F. Which of the following can be the shortest person?

Options :

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

Answer : B or C

- Question No. 63

Giridar was at a temple and was facing west. He turns 45° in the clockwise direction to collect a token, then another 180° in clockwise direction. He then turned 45° in the anti-clockwise direction. Which direction is he facing now?

Options :

1. South-west
2. West
3. North-west
4. East
5.

Answer : East

- Question No. 64

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

Options :

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

Answer : D

- Question No. 65

G, M, P, V, Z and D are six members of a family. Z is the son of V. M is the brother of V. D and V are a married couple. P is the daughter of D. D is the sister of G.

How is Z related to P?

Options :

1. Mother
2. Sister
3. Brother
4. Father
5.

Answer : Brother

- Question No. 66

In a class, each student scored a different rank. Aman's rank is 11th from the top and Nikhil's rank is 13th from the bottom. Only three students ranked between Aman and Nikhil. If the total number of students is an odd number divisible by 3, how many students are there in total in the class?

Options :

1. 21
2. 33
3. 15
4. 27
5.

Answer : 27

- Question No. 67

Ramesh ranked 16th from the top and 21 from the bottom in his class in an examination. If only 21 students passed the exam, how many students in his class failed?

Options :

1. 19
2. 17
3. 15
4. 21
5.

Answer : 15

- Question No. 68

Eight people E, H, M, P, S, T, Y and Z are sitting in a straight line. All of them are facing North. E sits fourth from one of the extreme ends of the line. H sits third to the right of E. As many people sit to the right of H as to the left of M. Only one person sits between M and P. S sits to the immediate right of Z. Only one person sits between Z and T.

How many people sit to the left of Y?

Options :

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

Answer : One

- Question No. 69

Eight people M, N, P, S, T, V, X and Y are sitting in a straight line and all are facing north.

N sits second from one of the extreme ends of the line. Only three people sit between M and N. P sits second to the right of M. As many people sit to the right of P as to the left of S. Exactly three people sit between T and S. T does not sit at any of the extreme ends of the line. Y sits to the immediate right of X.

Who sits third to the left of V?

Options :

1. P
2. M
3. X
4. Y
5.

Answer : Y

- Question No. 70

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 athletes are businessmen

All businessmen are rich.

Conclusions:

I. Some athletes are rich.

II. No athlete is rich.

Options :

1. Neither conclusion I nor II follows.
2. Both conclusions I and II follow.
3. Only conclusion II follows.
4. Only conclusion I follows.
5.

Answer : Only conclusion I follows.

- Question No. 71

Eight persons P, Q, R, S, T, U, V and W are sitting around a square table for dinner in such a way that 4 persons are sitting at the four corners and 4 persons are sitting at the mid-positions on the four sides. All of them are facing the centre of the square. S sits to the immediate left of U. U sits to the immediate left of T. T sits at one of the mid-positions of the sides. R sits third to the right of U. P is an immediate neighbour of both V and R. W is not an immediate neighbour of T.

Who among the following is sitting at one of the corners?

Options :

1. V
2. R
3. Q
4. S
5.

Answer : Q

- Question No. 72

Eight colleagues K, L, M, N, O, P, Q and Rare seated in a circle facing the centre. N is an immediate neighbour of both L and Q. P is an immediate neighbour of both K and R. O is second to the right of K. Which of the following is definitely true about M's position?

Options :

1. Second to the left of L
2. Exactly between K and O
3. Exactly between Q and O
4. Exactly between O and P
5.

Answer : Exactly between K and O

- Question No. 73

In a certain code language,

'good deeds pay' is coded as 'ag bi tr',

'pay all bills' is coded as 'od ez ag',

'all your deeds count is coded as 'sn tr od um'.

(Note: All codes are two letter codes only)

What is the code for 'count' in the given code language?

Options :

1. ez
2. either 'od' or 'tr'
3. either 'sn' or 'um'
4. od
5.

Answer : either 'sn' or 'um'

- Question No. 74

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

Statement:

W = H ≥ G = C ≥ T ≤ L ≤ M

Conclusions:

I. T ≤ W

II. C ≥ M

Options :

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

Answer : Only conclusion I is true

- Question No. 75

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 four 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

11, 8, 5, 9 = 43

12, 9, 7, 6 = 66

14, 13, 9, 10 =?

Options :

1. 92
2. 80
3. 98
4. 89
5.

Answer : 92

- Question No. 76

There are five boxes K, L, M, N and O, arranged one above the other. Box M is placed above box N. Box O is placed below box K. Box N is placed above K. Box L is placed below O. Which among the following is the bottom most box?

Options :

1. O
2. L
3. K
4. M
5.

Answer : L

- Question No. 77

In a certain code language, 'CONSUME' is written as 'CEMNOSU' and 'COMPEL' is written as 'CELMOP'. How will "ENGLISH" be written in that language?

Options :

1. EGHILNS
2. EHGLNSI
3. EHGILNS
4. EGHNLSI
5.

Answer : EGHILNS

- Question No. 78

Shamita's birthday was on 15 March 2020, which was a Sunday. If her husband's birthday was on 31 May 2020, on which day would it fall?

Options :

1. Friday
2. Sunday
3. Wednesday
4. Tuesday
5.

Answer : Tuesday

- Question No. 79

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 salsa are jazz.

No jazz is kathak

Conclusions:

I. Some jazz is salsa.

II. No salsa is kathak.

Options :

1. Only conclusion II follows
2. Only conclusion I follows
3. None of the conclusions follow
4. Both the conclusions follow
5.

Answer : Both the conclusions follow

- Question No. 80

What is the time taken by a 450 m long train running at 54 km/h to cross a man standing on a platform?

Options :

1. 25 seconds
2. 32 seconds
3. 28 seconds
4. 30 seconds
5.

Answer : 30 seconds

- Question No. 81

A certain sum on compound interest becomes ₹56,180 when compounded annually after 2 years and ₹59,550.80 after 3 years Find the sum (in ₹).

Options :

1. 48,700
2. 50.000
3. 52,500
4. 45,000
5.

Answer : 50.000

- Question No. 82

A sum increases by 75% in 10 years at a certain rate of simple interest per annum. By what percentage will the same sum increase in 6 years at the same rate of simple interest per annum?

Options :

1. 42%
2. 45%
3. 38%
4. 48%
5.

Answer : 45%

- Question No. 83

$$\text{If } \frac{1}{1+\tan\theta} + \frac{1}{1-\tan\theta} = 4,\ 0^\circ < \theta < 90^\circ, \text{then}$$

what is the value of (cosec^2 + sec)

Options :

1. 9/2
2. 4/3
3. 8/3

4. 5/2

5.

Answer : 9/2

- Question No. 84

Simplify:

72 – 4(40 + 24 ÷ 8 × 6 – 4 × 4) + 20

Options :

1. –36

2. 52

3. –76

4. –6

5.

Answer : –76

- Question No. 85

Find the HCF of 245, 175 and 385.

Options :

1. 35

2. 7

3. 25

4. 5

5.

Answer : 35

- Question No. 86

A person covers a certain distance at a certain speed. If he increases his speed by 30%, then he takes 15 minutes less to cover the same distance. Find the time taken by him to cover the distance when traveling at his original speed.

Options :

1. 1 hour 12 minutes
2. 1 hour
3. 1 hour 05 minutes
4. 1 hour 10 minutes
5.

Answer : 1 hour 05 minutes

- Question No. 87

One-seventh of a 2-digit number is 15 less than half of the number. What is the sum of the digits of the 2-digit number?

Options :

1. 9
2. 5
3. 7
4. 6
5.

Answer : 6

- Question No. 88

If $56 \div 14 \times 2^2 - 12 \times 6 \div 3 + 10 = z$, then find the value of z.

Options :

1. 3
2. 4

3. 6

4. 2

5.

Answer : 2

- Question No. 89

A man can do a work in 20 days and a woman can do the same work in 30 days. In how many days will 2 men and 3 women do the work?

Options :

1. 5(1/2)

2. 5

3. 6

4. 4

5.

Answer : 5

- Question No. 90

If 0.17y = 10.2, find the value of y.

Options :

1. 0.6

2. 60

3. 600

4. 6

5.

Answer : 60

- Question No. 91

What is the difference between the mode and the meaning of the observations?

4, 5, 6, 7, 8, 12, 9, 12, 5, 12

Options :

1. 4
2. 4.2
3. 5.1
4. 4.6
5.

Answer : 4

- Question No. 92

The circumference of a circle is given as 308 m. What is the area of the circle?

[Use π = 22/7]

Options :

1. 7646 m^2
2. 7546 m^2
3. 7556 m^2
4. 7446 m^2
5.

Answer : 7546 m^2

- Question No. 93

Ram gave a discount of 10% on the marked price of an item and still gained 12.5%. How much would have Ram gained, if he sold the item at the marked price?

Options :

1. 27.5%

2. 25%

3. 20%

4. 22.5%

5.

Answer : 25%

- Question No. 94

The average of 30 numbers is 55. The average of the first 15 numbers is 51 and the average of the last 12 numbers is 56. What is the average of 68, 74 and the remaining 3 numbers?

Options :

1. 71

2. 70

3. 72.2

4. 72

5.

Answer : 71

- Question No. 95

The ratio between the marked price and the cost price of an article is 5: 3. If the selling price of the article is ₹3,024 and the shopkeeper gave two successive discounts of 16% and 20%, then how much is the profit or loss (in ₹)?

Options :

1. Profit, ₹324

2. Loss, ₹112

3. Loss, ₹216

4. Profit. ₹225

5.

Answer : Profit, ₹324

- Question No. 96

ABCD is a rectangle with AB = 10 cm and BC = 8 cm. O is the centre of a circle touching the three sides AB, BC, and CD of the rectangle ABCD. Find the area (in cm^2) of ? OBC.

Options :

1. 24
2. 16
3. 22
4. 20
5.

Answer : 16

- Question No. 97

The outer radius of a spherical shell is 9 cm, and the thickness of the shell is 1 cm. Find the volume of the metal used for the shell (in cubic cm).

(Use π = 22/7)

Options :

1. 912(2/3)
2. 915(1/3)
3. 909(1/3)
4. 909(3/5)
5.

Answer : 909(1/3)

- Question No. 98

Five years ago, the ages of the father and his son were in the ratio 7:2. Five years hence, the ages of the father and his son will be in the ratio 9:4. After how many years will the father's age be twice the age of his son?

Options :

1. 8
2. 12
3. 9
4. 10
5.

Answer : 10

- Question No. 99

Simplify the following expression. $\frac{12-6\div2+4}{3^2\times3-7+6}$

Options :

1. 1/2
2. 11/26
3. 13/18
4. 11/18
5.

Answer : 1/2

- Question No. 100

If $y = \sqrt[3]{6} - 4$, then what is the value of $y^3 + 12y^2 + 48y + 100$?

Options :

1. 42
2. 0
3. 106
4. 6
5.

Answer : 42

- Question No. 101

Find the value $\sqrt{2k+11}$, where k is the average of 16, 25, 13, 26, and 15.

Options :

1. 10
2. 8
3. 7
4. 9
5.

Answer : 7

- Question No. 102

K is the product of the greatest and the smallest of the numbers

$\frac{1}{4}, \frac{2}{3}, \frac{4}{5}, \frac{5}{8}, \frac{3}{4}$, Find the value of $\left(\frac{1}{k}+4\right)\left(\frac{1}{k}-2\right)$

Options :

1. 189/25
2. 27
3. 171/25
4. 7
5.

Answer : 27

- Question No. 103

If 2/3 of y = 8/15 of z, then find y : z.

Options :

1. 4 : 5
2. 21 : 25
3. 16 : 45
4. 3 : 5
5.

Answer : 4 : 5

- Question No. 104

Out of a total sum of ₹5,000, Danish invested one part at 12% simple interest per annum and the remaining part at 10% simple interest per annum. If the total interest that accrued to Danish in two years equals ₹, 1072, what was the sum Danish invested at 12% simple interest per annum?

Options :

1. ₹2,150
2. ₹1,750
3. ₹1,800
4. ₹2,000
5.

Answer : ₹1,800

- Question No. 105

Find the value of the expression:

$$1-\left(\frac{4\div5-1\times3+2)\times8}{3^2\times8-4\times2}\right)$$

Options :

1. 39/40
2. 41/40

3. 0

4. 5/8

5.

Answer : 41/40

- Question No. 106

AB and CD are parallel tangents to a circle with center O. Points P and Q are on AB and CD, respectively, such that PQ touches the circle at R. Find the measure of ∠POQ.

Options :

1. 85°
2. 90°
3. 80°
4. 100°
5.

Answer : 90°

- Question No. 107

The radius of the base of a conical tent is 9 m and its height is 12 m, find the cost of the material needed to make it if it costs ₹100 per π m^2.

Options :

1. ₹14,500
2. ₹13,000
3. ₹15,000
4. ₹13,500
5.

Answer : ₹13,500

- Question No. 108

  If $3x + 2y = 13$ and $y^2 - 4y + 4 = 0$, then find (x, y)

  Options :

  1. (4, 2)
  2. (5,–1)
  3. (2, 3)
  4. (3, 2)
  5.

  Answer : (3, 2)

- Question No. 109

  If $2\sin y + \cos y = \sqrt{5} \sin y$, then find the value of tan y.

  Options :

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

  Answer : $\sqrt{5} + 2$

- Question No. 110

  The difference between the interest payable on a sum invested for three years at 20% compound interest per annum compounded annually and 20% simple interest per annum for the same period is ₹448. What is the value of the sum invested?

  Options :

  1. ₹3,750

2. ₹4,000

3. ₹3,500

4. ₹3,000

5.

Answer : ₹3,500

- Question No. 111

If 23.5% of a number is 11.75, then what is the number?

Options :

1. 50

2. 60

3. 40

4. 48

5.

Answer : 50

- Question No. 112

The mean of the observations 29, 36, 21, 18, 7, 19, k, k is 21. 25 and the mode of the observations 29, 22, 15, 22, 18, 21. p. p is 29. Find the value of (p – k).

Options :

1. 12

2. 11

3. 10

4. 9

5.

Answer : 9

- Question No. 113

A right circular cone is surmounted by a hemisphere. The base radius of the cone is equal to the radius of the hemisphere. The diameter of the hemisphere is 12 cm while the height of the cone is 8 cm. Find the cost of painting the compound object if it costs ₹25 to paint a cm^2.

Options :

1. ₹10,371
2. ₹3,300
3. ₹6,930
4. ₹4,500
5.

Answer : ₹3,300

- Question No. 114

P, Q, R can do a piece of work in 40 days, 90 days, and 36 days, respectively. P started the work. Q joined him after 7 days. If R joined them after 8 days from the beginning, then for how many days did R work?

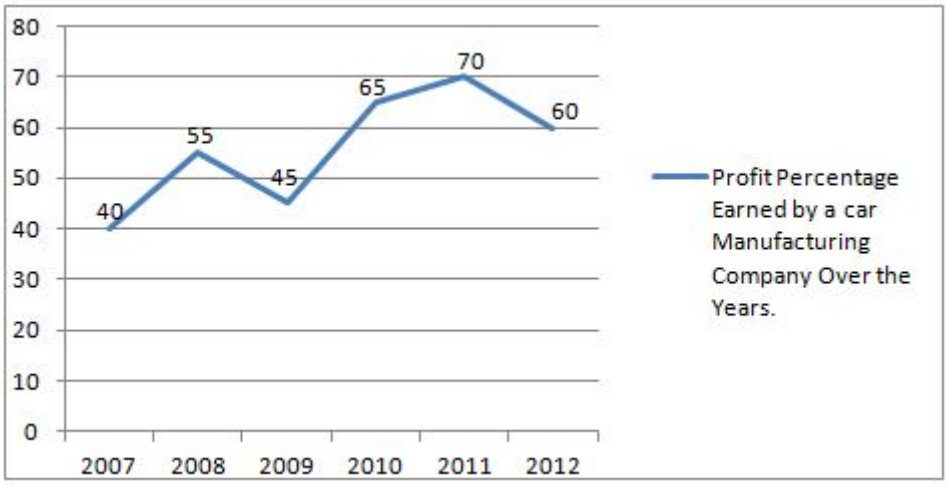
Options :

1. 11(8/23)
2. 12(8/23)
3. 15(8/23)
4. 13(8/23)
5.

Answer : 12(8/23)

Direction:

The following line graph shows the annual profit percentage earned by a car manufacturing company during the period 2007-2012.



- Question No. 115

  In which of the following years was the annual profit percentage closest to the average of the annual profit percentage in all the years given in the graph?

  Options :

  1. 2008
  2. 2009
  3. 2007
  4. 2011
  5.

  Answer : 2008

- Question No. 116

  In a certain code language, 'RELATIONS is written as 'TSRONLIEA', and 'NUMBER' is written as 'URNMEB'.

  How will 'SPECULATION' be written in that language?

  Options :

  1. UTSPONLIECA
  2. UINLIESPOCA
  3. OCAAINLIESP

4. UOCAINLIESP

5.

Answer : UTSPONLIECA

- Question No. 117

Refer to the given letter, member, 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 numbers are dropped from the series, which of the following will be eighth from the right?

Options :

1. M
2. &
3. *
4. E
5.

Answer : M

- Question No. 118

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

QHD, MNV, ITN, EZF, AFX, ?

Options :

1. WJP
2. XJQ
3. WLP
4. XLQ
5.

Answer : WLP

- Question No. 119

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

4 ÷ 8 + 5 – 6 × 2 = 34

Options :

1. +, –
2. ÷, ×
3. ÷, +
4. ×, +
5.

Answer : ÷, ×

- Question No. 120

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

499.37+1.95 × 4.79 – 2.87÷19.70 = ?

Options :

1. 510
2. 365
3. 290
4. 750
5.

Answer : 510