



KHADI AND VILLAGE INDUSTRIES COMMISSION



Ministry of Micro Small & Medium Enterprises, Government of India

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Test Date	28/02/2020
Test Time	9:00 AM - 11:00 AM
Subject	Assistant (Village Industries)

Section : General Intelligence and Reasoning

Q.1 Select the letter that can replace the question mark (?) in the following series.

(K) (N) (T) (C) (?)

- Ans
- ☒ A. L
 - ☒ B. O
 - ☒ C. V
 - ☒ D. T

Question ID : 378606806

Status : Answered

Chosen Option : 2

Q.2 The letters of the name of a vegetable are 'L, B, I, R, J, A, N'. If they are arranged correctly, then what is the last letter of the word so formed?

- Ans
- ☒ A. E
 - ☒ B. D
 - ☒ C. N
 - ☒ D. L

Question ID : 378606830

Status : Answered

Chosen Option : 4

Q.3 The letters of the word NUMKIPP are jumbled. If they are arranged in proper order, the name of a vegetable is formed. What is the last letter of the word so formed?

- Ans
- ☒ A. M
 - ☒ B. K
 - ☒ C. P
 - ☒ D. N

Question ID : 378606829

Status : Answered

Chosen Option : 4

Q.4 Study the given pattern carefully and select the number that can replace the question mark (?) in it.





47	11	65
53	8	?
25	7	29

- Ans  A. 34
-  B. 68
-  C. 45
-  D. 61

Question ID : 378606808
Status : Answered
Chosen Option : 1

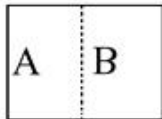
Q.5 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

BED : YVW :: KNM : ?

- Ans  A. OPM
-  B. LMN
-  C. MPN
-  D. PMN

Question ID : 378606801
Status : Answered
Chosen Option : 4

Q.6 Select the option that depicts how the given transparent piece of paper would appear if it is folded along the dotted line along the middle.

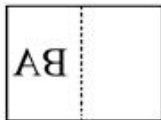


Ans

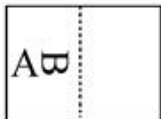
✓ A.



✗ B.



✗ C.



✗ D.



Question ID : 378606812

Status : Answered

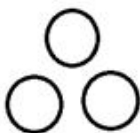
Chosen Option : 2

Q.7 Select the Venn diagram that best represents the relationship between the following classes.

Girl, Human, Duckling

Ans

✗ A.



✗ B.



✗ C.



✓ D.



Question ID : 378606822

Status : Answered

Chosen Option : 4

Q.8 Select the option that is related to the third term in the same way as the second term is related to the first term.

BULL : CALF :: HORSE : ?

- Ans
- ☒ A. FAWN
 - ☒ B. KITTEN
 - ☒ C. FOAL
 - ☒ D. CUB

Question ID : 378606798

Status : Answered

Chosen Option : 4

Q.9 If '+' means 'divided by', '-' means 'added to', 'x' means 'subtracted from' and '/' means 'multiplied by', then what will be the value of the following expression?

$$[(20 \times 12) - (14/3)] + (3 - 2)/2$$

- Ans
- ☒ A. 20
 - ☒ B. 1
 - ☒ C. 102
 - ☒ D. 5

Question ID : 378606802

Status : Answered

Chosen Option : 1

Q.10 At what time between 6 o'clock and 7 o'clock will the hands of a clock be at a right angle?

- Ans
- ☒ A. $\frac{220}{11}$ min past 6 and $\frac{600}{11}$ min past 6
 - ☒ B. $\frac{180}{11}$ min past 6 and $\frac{579}{11}$ min past 6
 - ☒ C. $\frac{180}{11}$ min past 6 and $\frac{540}{11}$ min past 6
 - ☒ D. $\frac{220}{11}$ min past 6 and $\frac{569}{11}$ min past 6

Question ID : 378606805

Status : Answered

Chosen Option : 1

Q.11 Each of the letters given below has been assigned a unique number. Select the combination of numbers such that the corresponding letters when arranged accordingly will form a meaningful word.



- Ans
- ☒ A. 2, 6, 3, 5, 4, 1
 - ☒ B. 4, 5, 2, 3, 1, 6
 - ☒ C. 3, 2, 4, 5, 6, 1
 - ☒ D. 2, 3, 4, 5, 6, 1

Question ID : 378606828

Status : Answered

Chosen Option : 2

Q.12 Ravish walked 80 m towards the North and reached a point X. He then took a right turn and walked 70 m. He then took a right turn again and walked 80 m to reach a point Y. Then he took a right turn and walked 70 m. He turned to his left and walked 80 m to reach a point Z. What is the shortest distance (approximately) between points X and Z via point Y?

- Ans
- ☒ A. 210 m
 - ☒ B. 160 m
 - ☒ C. 213 m
 - ☒ D. 106 m

Question ID : 378606826

Status : Answered

Chosen Option : 1

Q.13 Each of the letters given below has been assigned a unique number. Select the combination of numbers such that the corresponding letters when arranged accordingly will form a meaningful word.

O	P	T	I	O	N	A	L	P	U
1	2	3	4	5	6	7	8	9	10

- Ans
- ☒ A. 2, 5, 9, 10, 8, 7, 3, 4, 1, 6
 - ☒ B. 2, 5, 8, 10, 3, 1, 4, 6, 7, 9
 - ☒ C. 2, 10, 9, 7, 3, 4, 5, 6, 1, 8
 - ☒ D. 3, 4, 5, 6, 1, 8, 2, 10, 9, 7

Question ID : 378606827

Status : Answered

Chosen Option : 1

Q.14 Which of the following options is 12th to the right of the 8th letter from the left in a forward alphabet series?

- Ans
- ☒ A. H
 - ☒ B. G
 - ☒ C. T
 - ☒ D. S

Question ID : 378606807

Status : Answered

Chosen Option : 1

Q.15 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different from the rest.

- Ans
- ☒ A. Jupiter
 - ☒ B. Earth
 - ☒ C. Mercury
 - ☒ D. Moon

Question ID : 378606815

Status : Answered

Chosen Option : 4

Q.16 Hena is the daughter of Luisa. Also, she has only one sibling, a brother named Kelvin. Saif is the husband of Luisa. Enes and Hena are married to each other. Parmod is the maternal uncle of Kelvin. How is Parmod related to Luisa?

- Ans
- ☒ A. Uncle
 - ☒ B. Brother-in-law
 - ☒ C. Father
 - ☒ D. Brother

Question ID : 378606800

Status : Answered

Chosen Option : 4

Q.17 Four words have been given, out of which three are alike in some manner and one is different. Select the word that is different from the rest.

- Ans
- ☒ A. Canberra
 - ☒ B. Dhaka
 - ☒ C. Maputo
 - ☒ D. Belarus

Question ID : 378606816

Status : Answered

Chosen Option : 2

Q.18 Anandi walked 48 m towards the North. She took a left turn and walked 49 m. She then took a right turn and walked 87 m. Then she took a right turn and walked 98 m. She then took a left turn and walked 20 m. Finally, she took a right turn and walked a few steps. Which direction is Anandi facing towards now?

- Ans
- ☒ A. South
 - ☒ B. West
 - ☒ C. North
 - ☒ D. East

Question ID : 378606824


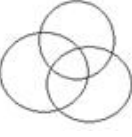

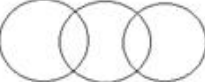
Status : Answered

Chosen Option : 4

Q.19 Select the Venn diagram that best represents the relationship between the following classes.

Albert Einstein, Marie Curie, Scientist

Ans

- ☒ A. 
- ☒ B. 
- ☒ C. 
- ☒ D. 

Question ID : 378606819

Status : Answered

Chosen Option : 1

Q.20 Mathur walked 80 m towards the North and reached a point X. He then took a right turn and walked 70 m. He then took a right turn again and walked 80 m. Then he took a left turn and walked 70 m. He turned to his left and walked 80 m to reach a point Y. How far and in which direction is point X from Y?

- Ans
- ☒ A. 140 m, West
 - ☒ B. 150 m, South
 - ☒ C. 140 m, East
 - ☒ D. 150 m, North

Question ID : 378606825

Status : Answered

Chosen Option : 3

Q.21 Which of the following option figures is the correct water-image of the given figure?

EDUCATION

Ans

- ☐ A. **EDUCATION**
- ☒ B. **EDUCATION**
- ☐ C. **EDUCATION**
- ☐ D. **EDUCATION**

Question ID : 378606814

Status : Answered

Chosen Option : 3

Q.22 In a certain code language, 'SOUND' is coded as '73'. How will 'NOISE' be coded as in that code language?

Ans

- ☒ A. 62
- ☐ B. 69
- ☐ C. 68
- ☐ D. 72

Question ID : 378606797

Status : Answered

Chosen Option : 1

Q.23 Meghna walked 38 m towards the South. She took a left turn and walked 39 m. She then took a right turn and walked 47 m. Then she took a right turn and walked 28 m. Which direction is Meghna facing towards now?

Ans

- ☐ A. East
- ☒ B. West
- ☐ C. South
- ☐ D. North

Question ID : 378606823

Status : Answered

Chosen Option : 1

Q.24 Four word-pairs have been given, out of which three are alike in some manner and one is different. Select the word-pair that is different from the rest.

Ans

- ☐ A. DONKEY : FOAL
- ☒ B. DUCK : DRAKE
- ☐ C. DEER : FAWN
- ☐ D. FROG : TADPOLE

Question ID : 378606817

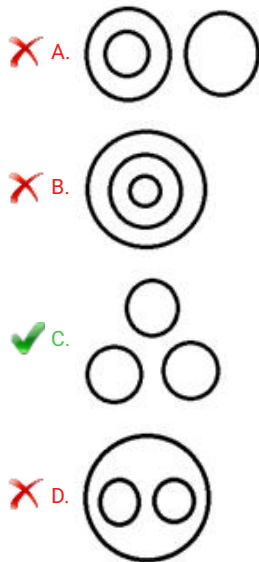
Status : Answered

Chosen Option : 3

Q.25 Select the Venn diagram that best represents the relationship between the following classes.

Cow, Cygnet, Doe

Ans



Question ID : 378606821

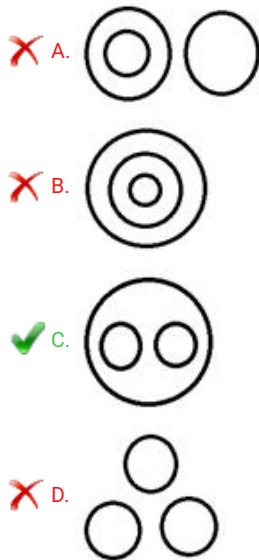
Status : Answered

Chosen Option : 4

Q.26 Select the Venn diagram that best represents the relationship between the following classes.

Plants, Herbs, Shrubs

Ans



Question ID : 378606820

Status : Answered

Chosen Option : 1

Q.27 What will be the angle between the hands of a clock at 9:40?

Ans

✓ A. 50°

✗ B. 105°

✗ C. 75°

✗ D. 85°

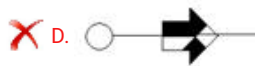
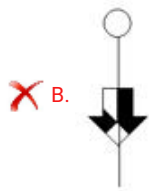
Question ID : 378606804

Status : Answered

Chosen Option : 1

Q.28 Select the option figure that is different from the rest in a certain manner.

Ans



Question ID : 378606810

Status : Answered

Chosen Option : 1

Q.29 Which of the following option figures is the correct water-image of the given figure?



Ans

✓ A.



✗ B.



✗ C.



✗ D.



Question ID : 378606811

Status : Answered

Chosen Option : 4

Q.30 Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

TOY : XSC :: MAT : ?

Ans

✗ A. QDW

✗ B. REY

✓ C. QEX

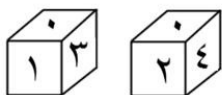
✗ D. PFY

Question ID : 378606799

Status : Answered

Chosen Option : 3

Q.31 Two positions of the same dice are shown. Select the pattern that will be on face opposite to the one having 5.



Ans

✗ A.



✗ B.



✗ C.



✓ D.

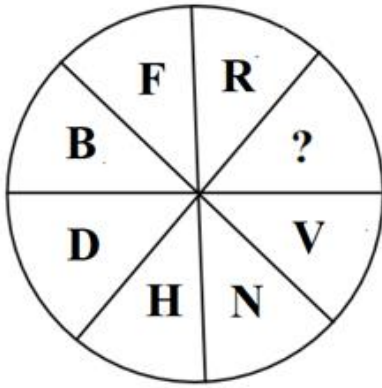


Question ID : 378606813

Status : Answered

Chosen Option : 2

Q.32 Study the given pattern carefully and select the letter that can replace the question mark (?) in it.



- Ans
- ☒ A. A
 - ☒ B. E
 - ☒ C. D
 - ☒ D. F

Question ID : 378606809

Status : Answered

Chosen Option : 4

Q.33 How many seven-lettered meaningful words can be formed using the letters of the given word only as many times as each letter appears in the word? (Exclude the word 'Friends' from your count.)

FRIENDS

- Ans
- ☒ A. 1
 - ☒ B. 3
 - ☒ C. 2
 - ☒ D. 4

Question ID : 378606831

Status : Answered

Chosen Option : 2

Q.34 Four options have been given, out of which three are alike in some manner and one is different. Select the option that is different from the rest.

- Ans
- ☒ A. Isaac Newton
 - ☒ B. Dalai Lama
 - ☒ C. Michael Faraday
 - ☒ D. Charles Darwin

Question ID : 378606818

Status : Answered

Chosen Option : 2

Q.35 In the given equations, the first three are solved on the basis of a certain system, where the function of \rightarrow remains the same. Find the correct answer for the unsolved fourth equation on the same basis.

$$\begin{array}{ll} 7 \rightarrow 6 = 22 & 3 \rightarrow 4 = 7 \\ \text{I.} & \text{II.} \\ 3 \rightarrow 8 = 13 & 4 \rightarrow 3 = ? \\ \text{III.} & \text{IV.} \end{array}$$

- Ans
- ☒ A. 12
 - ☒ B. 7
 - ☒ C. 14
 - ☒ D. 1

Question ID : 378606803

Status : Answered

Chosen Option : 2

Section : General Awareness

Q.1 Who among the following is Chief of Indian Army as on November 30, 2019?

- Ans
- ☒ A. Karambir Singh
 - ☒ B. Birender Singh Dhanoo
 - ☒ C. Bipin Rawat
 - ☒ D. Rakesh Kumar Singh Bhaduria

Question ID : 378606902

Status : Answered

Chosen Option : 3

Q.2 In which state is the 'Gaddi' tribal community – that has maintained a distinct identity in the Himalayan region – found?

- Ans
- ☒ A. Arunachal Pradesh
 - ☒ B. Assam
 - ☒ C. Himachal Pradesh
 - ☒ D. Sikkim

Question ID : 378606920

Status : Answered

Chosen Option : 1

Q.3 Which state government launched 'Nadu-Nedu' programme in 2019 that aimed to introduce English medium from classes 1 to 6 in state-run schools?

- Ans
- ☒ A. Odisha
 - ☒ B. Karnataka
 - ☒ C. Telangana
 - ☒ D. Andhra Pradesh

Question ID : 378606906

Status : Answered

Chosen Option : 1

Q.4 Which of the following rivers is known as the 'Sorrow of Bihar'?

- Ans
- ☒ A. Ghaghara River
 - ☒ B. Hugli River
 - ☒ C. Kosi River
 - ☒ D. Tista River

Question ID : 378606911

Status : Answered

Chosen Option : 1

Q.5 The Chandrayaan 2 was launched in 2019 from:

- Ans
- ☒ A. Satish Dhawan Space Center, Sriharikota
 - ☒ B. Kourou Launch Base, French Guiana
 - ☒ C. Vikram Sarabhai Space Centre, Thiruvananthapuram
 - ☒ D. ISRO Headquarter, Bangalore

Question ID : 378606903

Status : Answered

Chosen Option : 4

Q.6 Which scheme was launched in 2015 that aims to address the dipping child sex ratio and empower the girl child in the country?

- Ans
- ☒ A. Save Girl Save Nation
 - ☒ B. Save Girl Child Campaign
 - ☒ C. Beti Bachao Beti Padhao
 - ☒ D. Beti Bachao Bharat Bachao

Question ID : 378606926

Status : Answered

Chosen Option : 3

Q.7 Which of the following is NOT an example of renewable resource?

- Ans
- ☒ A. Wheat
 - ☒ B. Fossil Fuel
 - ☒ C. Trees
 - ☒ D. Fishes

Question ID : 378606929

Status : Answered

Chosen Option : 2

Q.8 In which state is the Bomdi la pass located?

- Ans
- ☒ A. Manipur
 - ☒ B. Himachal Pradesh
 - ☒ C. Uttarakhand
 - ☒ D. Arunachal Pradesh

Question ID : 378606912

Status : Answered

Chosen Option : 1

Q.9 Which of the following is NOT an extension of Peninsular Plateau?

- Ans  A. Cardamom Hills
 B. Morni Hills
 C. The Aravali Hills
 D. The Rajmahal Hills

Question ID : 378606914
Status : Answered
Chosen Option : 1

Q.10 Who among the following is revered as the 'father of ecology' in India?

- Ans  A. Ramdeo Misra
 B. M.C. Mehta
 C. S. Swaminathan
 D. Salim Ali


Question ID : 378606932
Status : Answered
Chosen Option : 1

Q.11 When was the first time when the Indian National Congress observed Independence Day on 26 January?

- Ans  A. 1947
 B. 1920
 C. 1950
 D. 1930





Question ID : 378606909
Status : Answered
Chosen Option : 1

Q.12 From which country the idea of 'residual powers' has been adopted into the Indian Constitution?

- Ans  A. South Africa
 B. United States of America
 C. England
 D. Canada

Question ID : 378606924
Status : Answered
Chosen Option : 1

Q.13 The Bedouins — a nomadic pastoral tribe that primarily depends on camel breeding — is found in:

- Ans  A. Arabia
 B. South America
 C. Western China
 D. Western India

Question ID : 378606915
Status : Answered
Chosen Option : 1

Q.14 Launched in 2014, which yojana envisages integrated development of the selected village across multiple areas such as agriculture, health, education, sanitation, environment, livelihoods, etc.?

- Ans ☒ A. Pradhan Mantri Shram Yogi Maan-dhan
☒ B. Saansad Adarsh Gram Yojana
☒ C. Prime Minister Ujjwala Plan
☒ D. Pradhan Mantri Sankalp Gram Smridhi Yojana

Question ID : 378606935
Status : Answered
Chosen Option : 1

Q.15 When did the government of India set up the Central Pollution Control Board?

- Ans ☒ A. 1974
☒ B. 1981
☒ C. 1967
☒ D. 1992

Question ID : 378606936
Status : Answered
Chosen Option : 1

Q.16 The Seshachalam Biosphere Reserve is located in:

- Ans ☒ A. Maharashtra
☒ B. Andhra Pradesh
☒ C. Tamil Nadu
☒ D. Kerala

Question ID : 378606933
Status : Answered
Chosen Option : 1

Q.17 Which of the following is NOT an example of cereal crop?

- Ans ☒ A. Millet
☒ B. Mesta
☒ C. Sorghum
☒ D. Oats

Question ID : 378606918
Status : Answered
Chosen Option : 1

Q.18 If a state government dissolves a Panchayat before the end of its five-year term, fresh elections must be held within _____ of such dissolution.

- Ans ☒ A. two months
☒ B. six months
☒ C. three months
☒ D. one year

Question ID : 378606922
Status : Answered
Chosen Option : 1

Q.19 Which of the following missions toured the country for three months and recommended a loose three-tier confederation?

- Ans
- ☐ A. The Simon Commission
 - ☐ B. The Cripps Mission
 - ☐ C. The Wavell Mission
 - ☒ D. The Cabinet Mission

Question ID : 378606910

Status : Answered

Chosen Option : 1

Q.20 Which of the following is the only country in the world to officially proclaim the Gross National Happiness (GNH) as the measure of the country's progress?

- Ans
- ☐ A. Maldives
 - ☐ B. Nepal
 - ☐ C. Singapore
 - ☒ D. Bhutan

Question ID : 378606919

Status : Answered

Chosen Option : 1

Q.21 The members of the Rajya Sabha are elected for a term of ____.

- Ans
- ☐ A. four years
 - ☒ B. six years
 - ☐ C. seven years
 - ☐ D. five years

Question ID : 378606927

Status : Answered

Chosen Option : 1

Q.22 Which of the following is the longest river in Asia?

- Ans
- ☐ A. Indus River
 - ☐ B. Mekong River
 - ☐ C. Yellow River
 - ☒ D. Yangtze River

Question ID : 378606917

Status : Answered

Chosen Option : 1

Q.23 Who among the following was the author of famous book 'Hind Swaraj'?

- Ans
- ☐ A. Bipin Chandra Pal
 - ☒ B. Mahatma Gandhi
 - ☐ C. Madan Mohan Malaviya
 - ☐ D. Veer Savarkar

Question ID : 378606907

Status : Answered

Chosen Option : 2

Q.24 When did the Central Government of India launch the Smart Cities Mission?

- Ans ☒ A. 2014
☒ B. 2015
☒ C. 2018
☒ D. 2016

Question ID : 378606928
Status : Answered
Chosen Option : 1

Q.25 Which of the following years is set as a target year by Government of India to provide piped water connection to every rural Indian household?

- Ans ☒ A. 2029
☒ B. 2024
☒ C. 2022
☒ D. 2026

Question ID : 378606905
Status : Answered
Chosen Option : 1

Q.26 Which of the following is identified as the biodiversity hotspot in India?

- Ans ☒ A. Thar Desert
☒ B. Rajmahal Hills
☒ C. Deccan Plateau
☒ D. Himalayas

Question ID : 378606934
Status : Answered
Chosen Option : 1

Q.27 Which of the following committees/commissions was set up in 2005 on methodology for the estimation of poverty in India?

- Ans ☒ A. Suresh Tendulkar Committee
☒ B. Bimal Jalan Committee
☒ C. Athreya Committee
☒ D. Sarkariya Commission

Question ID : 378606930
Status : Answered
Chosen Option : 1

Q.28 Which of the following subjects is included exclusively in the State List of the Indian Constitution?

- Ans ☒ A. Public health
☒ B. Post and telegraph
☒ C. Education
☒ D. Forests

Question ID : 378606925
Status : Answered
Chosen Option : 1

Q.29 Which of the following is NOT an example of terrestrial ecosystems?

- Ans ☒ A. Grassland
☒ B. Forest
☒ C. Desert
☒ D. Estuary

Question ID : 378606931

Status : Answered

Chosen Option : 3

Q.30 Which one out of the following is the largest of all the duns with an approximate length of 35-45 km and a width of 22-25 km?

- Ans ☒ A. Kota Dun
☒ B. Nalagarh Dun
☒ C. Dehra Dun
☒ D. Harike Dun

Question ID : 378606913

Status : Answered

Chosen Option : 1

Q.31 _____ is the process by which the share of the older population becomes proportionally larger.

- Ans ☒ A. Population middle ageing
☒ B. Population de-ageing
☒ C. Population increasing
☒ D. Population ageing

Question ID : 378606916

Status : Answered

Chosen Option : 1

Q.32 Which article of the Indian Constitution empowers the high courts to issue writs for the enforcement of any of the rights conferred by Part III of the Indian Constitution?

- Ans ☒ A. 224
☒ B. 232
☒ C. 226
☒ D. 246

Question ID : 378606923

Status : Answered

Chosen Option : 1

Q.33 Who among the following was appointed Chief Minister of Goa after Manohar Parrikar in 2019?

- Ans ☒ A. Jayesh Salgaonkar
☒ B. Manohar Ajgaonkar
☒ C. Dr. Pramod Sawant
☒ D. Dayanand Sopte

Question ID : 378606904

Status : Answered

Chosen Option : 1

Q.34 Which of the following Governor Generals of East India Company introduced the policy of the paramountcy?

- Ans ☒ A. Lord Hastings
☐ B. Lord William Bentinck
☐ C. John Adam
☐ D. Lord Minto

Question ID : 378606908

Status : Answered

Chosen Option : 1

Q.35 Which anniversary of the adoption of the Indian Constitution was celebrated in 2019?

- Ans ☐ A. 71th
☐ B. 69th
☒ C. 70th
☐ D. 68th

Question ID : 378606921

Status : Answered

Chosen Option : 1

Section : Quantitative Aptitude

Q.1 ABC is a right triangle, right angled at B. AD and CE are the medians drawn from A and C respectively. If AC = 15 cm and $AD = \frac{9\sqrt{5}}{2}$ cm, then find CE .

- Ans ☐ A. $\sqrt{20}$ cm
☐ B. $5\sqrt{20}$ cm
☐ C. $7\sqrt{20}$ cm
☒ D. $3\sqrt{20}$ cm

Question ID : 3786061015

Status : Answered

Chosen Option : 1

Q.2 Simplify : $\left[\left(\frac{9}{25} \right)^{\frac{-3}{2}} \div \left(\frac{2}{5} \right)^{-3} \right] \times \left(\frac{16}{81} \right)^{\frac{-3}{4}} + (25)^{\frac{-1}{2}}$

- Ans ☐ A. $\frac{3}{5}$
☐ B. $\frac{4}{5}$
☒ C. $\frac{6}{5}$
☐ D. $\frac{7}{5}$

Question ID : 3786061034

Status : Answered

Chosen Option : 3

Q.3 Two numbers are in the ratio $\frac{1}{2} : \frac{1}{3}$. If 10 is added to the first number and 5 is subtracted from the second number, then the ratio becomes 8 : 3. Find the sum of the two numbers.

- Ans
- ☒ A. 60
 - ☒ B. 40
 - ☒ C. 50
 - ☒ D. 70

Question ID : 3786061030

Status : Answered

Chosen Option : 3

Q.4 Mr. Japjot Singh invested $\frac{3}{8}$ of a certain sum at 6% pa for three years, $\frac{2}{5}$ of the sum at 8% pa for three years and the remaining at 10% pa for three years. If the total interest received is ₹ 3,696, then find the total sum invested.

- Ans
- ☒ A. ₹ 18,000
 - ☒ B. ₹ 16,500
 - ☒ C. ₹ 17,000
 - ☒ D. ₹ 16,000

Question ID : 3786061018

Status : Answered

Chosen Option : 4

Q.5 The sum of the present ages of Manish and Gautam is 65. After 15 years, the ratio of their ages will be 9 : 10. Find the difference between their present ages.

- Ans
- ☒ A. 4 years
 - ☒ B. 7 years
 - ☒ C. 5 years
 - ☒ D. 6 years

Question ID : 3786061028

Status : Answered

Chosen Option : 3

Q.6 Rishabh can do a piece of work in 7 days of 8 hours each and Surya can do it in 6 days of 7 hours each. How long will they take to do it, working together 6 hours a day?

- Ans
- ☒ A. 4 days
 - ☒ B. 6 days
 - ☒ C. 5 days
 - ☒ D. 3 days

Question ID : 3786061037

Status : Answered

Chosen Option : 2

Q.7 In an election between two candidates, 80% of the voters cast their votes, out of which 3% of the votes were declared invalid. A candidate got 10,864 votes which was 70% of the total valid votes. Find the total number of votes enrolled in that election.

- Ans**
- ☐ A. 24,000
 - ☐ B. 22,000
 - ☐ C. 25,000
 - ☒ D. 20,000

Question ID : **3786061025**
Status : **Answered**
Chosen Option : **1**

Q.8 What is the remainder when 19^{36} is divided by 36?

- Ans**
- ☐ A. 2
 - ☐ B. 4
 - ☒ C. 1
 - ☐ D. 3

Question ID : **3786061021**
Status : **Answered**
Chosen Option : **3**

Q.9 Two tanks are of the same capacity. The dimensions of the first tank are 32 cm, 18 cm and 7 cm. The second tank has a square base with a depth of 7 cm. Find the side of the square base.

- Ans**
- ☐ A. 25 cm
 - ☐ B. 22 cm
 - ☐ C. 26 cm
 - ☒ D. 24 cm

Question ID : **3786061019**
Status : **Answered**
Chosen Option : **4**

Q.10 42966 is divided between Arun and Sampath in the ratio 4 : 7. What is the difference between four times the share of Arun and twice the share of Sampath?

- Ans**
- ☐ A. 7832
 - ☒ B. 7812
 - ☐ C. 7128
 - ☐ D. 7218

Question ID : **3786061031**
Status : **Answered**
Chosen Option : **2**

Q.11 If $\sqrt{x} + \frac{1}{\sqrt{x}} = 3$, then find the value of $x^3 + \frac{1}{x^3}$.

- Ans
- ☒ A. 332
 - ☒ B. 232
 - ☒ C. 324
 - ☒ D. 322

Question ID : 3786061007

Status : Answered

Chosen Option : 4

Q.12 15 years hence Rohit will be 7 times as old as he was 15 years ago. Find his present age?

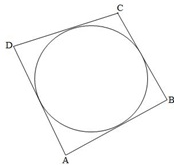
- Ans
- ☒ A. 22
 - ☒ B. 24
 - ☒ C. 25
 - ☒ D. 20

Question ID : 3786061027

Status : Answered

Chosen Option : 2

Q.13 All the sides of a quadrilateral ABCD touch a circle. If $AB = 8.5$ cm, $BC = 7.2$ cm and $CD = 4.3$ cm, then find DA.



- Ans
- ☒ A. 4.6 cm
 - ☒ B. 5.8 cm
 - ☒ C. 5.2 cm
 - ☒ D. 5.6 cm

Question ID : 3786061014

Status : Answered

Chosen Option : 2

Q.14 Metal spheres each of radius 2 cm are packed in to a rectangular box of internal dimensions $10 \text{ cm} \times 9 \text{ cm} \times 9 \text{ cm}$. When 15 spheres are packed, the box is filled with preservative liquid. Find the volume of the liquid. ($\pi = 3.14$)

- Ans
- ☒ A. 306.6 cm^3
 - ☒ B. 308.6 cm^3
 - ☒ C. 307.6 cm^3
 - ☒ D. 370.6 cm^3

Question ID : 3786061020

Status : Answered

Chosen Option : 1

Q.15 If $7 \sin^2 \theta + 3 \cos^2 \theta = 4$, then find $\cot \theta$.

Ans

☒ A. $\frac{1}{\sqrt{3}}$

☒ B. 1

☒ C. $\frac{1}{3}$

☒ D. $\sqrt{3}$

Question ID : 3786061041

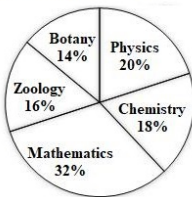
Status : Answered

Chosen Option : 1

Q.16 Observe the pie-chart and the table given below it carefully to answer the question that follows:

Percentage-wise distribution of lecturers in five different subjects in a university.

Total number of lecturers = 1200



The ratio of male to female lecturers:

Lecturers	Males : Females
Mathematics	5 : 3
Physics	1 : 3
Chemistry	5 : 1
Botany	2 : 5
Zoology	3 : 5

The total number of female lecturers in Mathematics is what per cent of the total number of lecturers in Mathematics?

Ans

☒ A. 35%

☒ B. 40%

☒ C. 37.5%

☒ D. 37%

Question ID : 3786061012

Status : Answered

Chosen Option : 2

Q.17 If $x^4 + \frac{1}{x^4} = 1154$, then find the value of $x^3 + \frac{1}{x^3}$.

Ans

☒ A. 198

☒ B. 178

☒ C. 190





☒ D. 188

Question ID : 3786061009

Status : Answered

Chosen Option : 2

Q.18 ₹ 44,000 is divided between A, B and C in the ratio $1\frac{1}{4} : 2\frac{1}{2} : 1\frac{3}{4}$. After dividing, they decided to contribute 20%, 30% and 40% respectively to the PM's Relief Fund. Find the ratio of the amounts left with them.





- Ans  A. 25 : 20 : 30
 B. 20 : 35 : 21
 C. 20 : 25 : 30
 D. 25 : 35 : 40

Question ID : 3786061032

Status : Answered

Chosen Option : 1

Q.19 35 men can complete a work in 14 days. Eight days after they start working, 25 more men join them. How many days will they now take to complete the remaining work?





- Ans  A. $3\frac{1}{2}$ days
 B. 4 days
 C. 3 days
 D. 5 days

Question ID : 3786061038

Status : Answered

Chosen Option : 2

Q.20 The length of the shadow of a person is 140 cm when the sun's altitude is 45° . If the length of the shadow increases by $(\sqrt{3} - 1)140$ cm, then find the angle of elevation of the sun.





- Ans  A. 60°
 B. 45°
 C. 75°
 D. 30°

Question ID : 3786061040

Status : Answered

Chosen Option : 1

Q.21 Twice the father's present age is eight times his son's age. After twenty years, the father's age will be twice his son's age. Find the difference between the present ages of father and son.

- Ans  A. 40 years
 B. 35 years
 C. 32 years
 D. 30 years

Question ID : 3786061029

Status : Answered

Chosen Option : 4

Q.22 Arjun alone can complete a piece of work worth ₹ 2,400 in 12 days, but by engaging an assistant, the work is completed in 8 days. Find the assistant's share of the money.

- Ans
- ☒ A. ₹ 850
 - ☒ B. ₹ 750
 - ☒ C. ₹ 700
 - ☒ D. ₹ 800

Question ID : 3786061036

Status : Answered

Chosen Option : 1

Q.23 $\frac{3}{5}$ of Anubhav's marks in English exceeds $\frac{2}{7}$ of his marks in Science by 25. If he got 176 marks in the two subjects together, then how many marks did he get in Science?

- Ans
- ☒ A. 93
 - ☒ B. 88
 - ☒ C. 85
 - ☒ D. 91

Question ID : 3786061035

Status : Answered

Chosen Option : 4

Q.24 If two times the larger of the two numbers is divided by the smaller one, we get 3 as quotient and 4 as remainder. Also, if 8 times the smaller number is divided by the larger one, we get 5 as quotient and 11 as remainder. Find the numbers.

- Ans
- ☒ A. 65 and 42
 - ☒ B. 56 and 36
 - ☒ C. 53 and 34
 - ☒ D. 68 and 44

Question ID : 3786061023

Status : Answered

Chosen Option : 1

Q.25 If $\tan 5x = \sin 45^\circ \cos 45^\circ + \sin 30^\circ$, then find x .

- Ans
- ☒ A. 5
 - ☒ B. 9
 - ☒ C. $\frac{3}{4}$
 - ☒ D. $\frac{1}{2}$

Question ID : 3786061039

Status : Answered

Chosen Option : 2

Q.26 Nancy loses ₹ 270 yearly when the rate of interest falls from $12\frac{1}{3}\%$ to $9\frac{1}{3}\%$. Find the amount invested by Nancy.

- Ans ☒ A. ₹ 9,000
☒ B. ₹ 9,500
☒ C. ₹ 8,000
☒ D. ₹ 8,500

Question ID : 3786061017
Status : Answered
Chosen Option : 1

Q.27 The difference of two positive numbers is 1,944. If 8.5 % of one number is 14.5% of the other number, find the sum of the two numbers.

- Ans ☒ A. 7,542
☒ B. 7,254
☒ C. 7,352
☒ D. 7,452

Question ID : 3786061026
Status : Answered
Chosen Option : 3

Q.28 Observe the table and answer the question that follows.

The table shows the classification of 100 students on the basis of marks obtained by them in Physics and Mathematics in an examination.

Subjects	Out of 50				
	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	16	36	66	88	100
Mathematics	8	28	58	85	100
Aggregate	12	32	62	86	100

What is the number of students with less than 40% marks in total?

- Ans ☒ A. 12
☒ B. 62
☒ C. 38
☒ D. 36

Question ID : 3786061013
Status : Answered
Chosen Option : 1

Q.29 The average of five numbers is 72. If the first number is two third the sum of the last four numbers, then the first number is:

- Ans ☒ A. 142
☒ B. 134
☒ C. 144
☒ D. 132

Question ID : 3786061010
Status : Answered
Chosen Option : 3

Q.30 The average marks of a student in four subjects is 72. If the student obtained 77 marks and 85 marks in the 5th and 6th subjects respectively, then the new average marks of all six subjects is:

- Ans
- ☒ A. 74
 - ☒ B. 78
 - ☒ C. 75
 - ☒ D. 65

Question ID : **3786061011**
Status : **Answered**
Chosen Option : **1**

Q.31 Find the value of x if $[(\sqrt{729} \times 25) \div 75]x = 10908$.

- Ans
- ☒ A. 1202
 - ☒ B. 1312
 - ☒ C. 1212
 - ☒ D. 1232

Question ID : **3786061033**
Status : **Answered**
Chosen Option : **3**

Q.32 The sum of the squares of two consecutive even positive integers is 15140. Find the integers.

- Ans
- ☒ A. 84 and 86
 - ☒ B. 86 and 88
 - ☒ C. 76 and 78
 - ☒ D. 82 and 84





Question ID : **3786061022**
Status : **Answered**
Chosen Option : **2**

Q.33 The present population of a village is 8,300. If the number of males increases by 12% and the number of females increases by 18%, then the population will become 9,524. What is the present population of females in the village?

- Ans
- ☒ A. 3,800
 - ☒ B. 3,600
 - ☒ C. 4,800
 - ☒ D. 3,500

Question ID : **3786061024**
Status : **Answered**
Chosen Option : **2**

Q.34 A sum of ₹ 7,200 amounts to ₹ 9,504 in four years at simple interest. If the interest rate is increased by 3 %, then it would amount to:

- Ans  **A. ₹ 10,368**
-  **B. ₹ 10,836**
-  **C. ₹ 10,638**
-  **D. ₹ 10,268**

Question ID : **3786061016**
Status : **Answered**
Chosen Option : **1**

Q.35 If $x = 14$, then find the value of $x^5 - 15x^4 + 15x^3 - 15x^2 + 15x - 1$.





- Ans  **A. 13**
-  **B. -1**
-  **C. 0**
-  **D. 14**

Question ID : **3786061008**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

Q.1 Parts of the following sentence are given as options. Identify the part that has an error.





He sat down in the sun and started to reading an old newspaper.

- Ans  **A. He sat down**
-  **B. an old newspaper**
-  **C. and started to reading**
-  **D. in the sun**

Question ID : **3786061064**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the most appropriate option to fill in the blank.

He _____ all his books to his juniors when he passed out of college.

- Ans  **A. gave in**
-  **B. gave off**
-  **C. gave away**
-  **D. gave up**

Question ID : **3786061067**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.

As he was waiting there, someone bumps into him.

- Ans
- ☒ A. No improvement
 - ☒ B. has bumped
 - ☒ C. bumped
 - ☒ D. is bumping

Question ID : 3786061069

Status : Answered

Chosen Option : 3

Q.4 Select the option that can be used as a one-word substitute for the given group of words/phrase.

Something that is no longer in use

- Ans
- ☒ A. Invisible
 - ☒ B. Current
 - ☒ C. Obsolete
 - ☒ D. Contemporary

Question ID : 3786061066

Status : Answered

Chosen Option : 3

Q.5 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.

No opinion poll can predict the overview of this election.

- Ans
- ☒ A. outcome
 - ☒ B. No improvement
 - ☒ C. estimation
 - ☒ D. inclination

Question ID : 3786061065

Status : Answered

Chosen Option : 3

Q.6 Parts of the following sentence are given as options. Identify the part that has an error.

The world seem to become more and more complicated each year.

- Ans
- ☒ A. complicated each year
 - ☒ B. The world
 - ☒ C. more and more
 - ☒ D. seem to become

Question ID : 3786061063

Status : Answered

Chosen Option : 1

Q.7 Parts of the following sentence are given as options. Identify the part that has an error.

Do you went for a walk early in the morning before sun rise?

- Ans ☒ A. Do you went
☐ B. for a walk
☐ C. before sun rise
☐ D. early in the morning

Question ID : 3786061062

Status : Answered

Chosen Option : 1

Q.8 Select the most appropriate meaning of the following idiom.

Up to the mark

- Ans ☐ A. Regular
☒ B. Satisfactory
☐ C. Remarkable
☐ D. Efficient

Question ID : 3786061068

Status : Answered

Chosen Option : 4

Q.9 Select the INCORRECTLY spelt word.

- Ans ☐ A. Incomparable
☒ B. Incompitent
☐ C. Incomplete
☐ D. Inconsistent

Question ID : 3786061071

Status : Answered

Chosen Option : 3

Q.10 Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement'.

He went all the way to the school on foot, did he?

- Ans ☐ A. hasn't he
☒ B. didn't he
☐ C. No improvement
☐ D. is it

Question ID : 3786061070

Status : Answered

Chosen Option : 4

Comprehension:

Read the given passage and answer the following questions.

A farmers' club in Idukki district is the only farmers' group in Kerala which runs a library exclusively for farmers. Started in 2017, the library has over 1,000 members and 600-odd books related to agriculture, animal husbandry and other farm ventures.

"When the younger generation wants to enter farming, they should not be left in the dark for want of information on farming practices and techniques. The books in the library would offer them knowledge on farming, animal husbandry and all allied areas. Its membership is open for all farmers. Quality seeds are also sold at the club," says Tom Cheriyan, club secretary. The reading room is open to all, but books can be taken home only after paying a one-time membership fee of Rs. 500.

The club has also brought out four books on farming, which deal with good practices and stories of successful farmers. The write-ups in these books are by farmers, many of whom have scripted success stories with innovative farming techniques.

For instance, one book published by the club, on "Modern farming and farming practices", includes an article on mango cultivation by Mathew Madathikkandam, a farmer from Kerala's mango hub of Muthalamada. Another article in the book, on pepper cultivation, has been authored by George Puliymmakkal, a winner of the National Innovation Foundation award. The club has opened a shop too, where pesticide-free vegetables and certified organic products are sold without a chain of middlemen.

To tap the online market, the club has also developed a mobile app suitable for farmers, as most of them use smart phones with net connectivity.

Within a year, 15,000 people from across the country have already downloaded the app, 'farmers' e-market'. It offers a platform for buyers and sellers from across India. Farmers can display their products, quote prices and strike a direct deal with buyers. Besides, there are options for trading poultry products, dairy animals and farm machinery. The app has turned useful for scores of farmers, who can now directly interact with potential buyers.

Anwar Sadath, a dairy farm enthusiast in Idukki, says he sold three Gir cow calves within a year through the app. "I had posted photos of the calves along with the prices. Within a few days, they were sold. After I got the money credited in my account, I took the calves by truck to Thrissur district. Otherwise, I would have to go to a cattle market and bargain with the help of middlemen," he says.

At Mannarakkadu in Palakkad, honeybee keeper K Joy is waiting for buyers for forest honey. "At the wholesale market, we would get less than Rs. 200 per kg of honey. But when we sell directly, we can get Rs. 300-320 per kg," he says.

SubQuestion No : 11

Q.11 What is NOT sold at the club shop?

- Ans
- ☒ A. Pesticide free vegetables
 - ☒ B. Good quality seeds
 - ☒ C. Certified organic products
 - ☒ D. Farm machinery

Question ID : **3786061087**

Status : **Answered**

Chosen Option : **1**

Comprehension:

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SubQuestion No : 12

Q.12 What is the purpose of the farmers' library?

Ans

- ☒ A. To lend all kinds of books to farmers .
- ☒ B. To provide reading facilities to farmers in the reading room .
- ☒ C. To provide the younger generation with information about farming .
- ☒ D. To publish books on farming .

Question ID : **3786061086**

Status : **Answered**

Chosen Option : **4**

Comprehension:

Read the given passage and answer the following questions.

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SubQuestion No : 13

Q.13 What was Anwar Sadath able to sell through the mobile app?

- Ans
- ☒ A. Books on farming
 - ☒ B. Cow calves
 - ☒ C. Forest honey
 - ☒ D. Quality seeds

Question ID : **3786061088**

Status : **Answered**

Chosen Option : **1**

Comprehension:

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Anwar Sadath, a dairy farm enthusiast in Idukki, says he sold three Gir cow calves within a year through the app. "I had posted photos of the calves along with the prices. Within a few days, they were sold. After I got the money credited in my account, I took the calves by truck to Thrissur district. Otherwise, I would have to go to a cattle market and bargain with the help of middlemen," he says.

At Mannarakkadu in Palakkad, honeybee keeper K Joy is waiting for buyers for forest honey. "At the wholesale market, we would get less than Rs. 200 per kg of honey. But when we sell directly, we can get Rs. 300-320 per kg," he says.

SubQuestion No : 14

Q.14 Which of the following statements is NOT true according to the passage?

Ans

- ☒ A. Things in the shop and the app are sold without middlemen.
- ☒ B. The app has, options for trading poultry products, dairy animals and farm machinery.
- ☒ C. The farmers' club library has over 1,000 members.
- ☒ D. Honeybee keeper K Joy has sold his honey at Rs. 200 per kg.

Question ID : **3786061089**

Status : **Answered**

Chosen Option : **1**

Comprehension:

Read the given passage and answer the following questions.

A farmers' club in Idukki district is the only farmers' group in Kerala which runs a library exclusively for farmers. Started in 2017, the library has over 1,000 members and 600-odd books related to agriculture, animal husbandry and other farm ventures.

"When the younger generation wants to enter farming, they should not be left in the dark for want of information on farming practices and techniques. The books in the library would offer them knowledge on farming, animal husbandry and all allied areas. Its membership is open for all farmers. Quality seeds are also sold at the club," says Tom Cheriyan, club secretary. The reading room is open to all, but books can be taken home only after paying a one-time membership fee of Rs. 500.

The club has also brought out four books on farming, which deal with good practices and stories of successful farmers. The write-ups in these books are by farmers, many of whom have scripted success stories with innovative farming techniques.

For instance, one book published by the club, on "Modern farming and farming practices", includes an article on mango cultivation by Mathew Madathikkandam, a farmer from Kerala's mango hub of Muthalamada. Another article in the book, on pepper cultivation, has been authored by George Puliymakkal, a winner of the National Innovation Foundation award. The club has opened a shop too, where pesticide-free vegetables and certified organic products are sold without a chain of middlemen.

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SubQuestion No : 15

Q.15 The passage is about:

- Ans
- ☒ A. a library for farmers
 - ☒ B. a mobile app for farmers
 - ☒ C. the benefits of a mobile app
 - ☒ D. the activities of a farmer's club

Question ID : **3786061085**

Status : **Answered**

Chosen Option : **1**