Combined Higher Secondary Level (10+2) Examination-2018

Roll No.	WWW.QMATHS.IN
Registration No.	WWW.QMATHS.IN
Name	WWW.QMATHS.IN
Test Venue	iON Digital Zone iDZ Sector 34
Test Time	4:00 PM - 5:00 PM
Test Date	01/07/2019

Section : **General Intelligence**

Q.1 उस शब्द-युग्म का चयन करें जिसमें दो शब्द उसी तरह से संबंधित हैं जैसे निम्नलिखित शब्द-युग्म में दो शब्द संबंधित हैं।

तितलियाँ: लेपिडोप्टेरिस्ट

Ans ❌ 1. क्रोमोसोम : वनस्पतिशास्त्री

✅ 2. पोस्टकार्ड : डैलटीओलॉजिस्ट

❌ 3. गहने : जौहरी

❌ 4. मानचित्र : मानचित्रकार

Question ID : **98958015400**
Status : **Answered**
Chosen Option : **1**

Q.2 निम्नलिखित शब्दों को तार्किक और सार्थक क्रम में व्यवस्थित करें।

1. बंदर
2. हाथी
3. चूहा
4. मक्खी
5. शेर

Ans ❌ 1. 3, 4, 1, 5, 2

✅ 2. 4, 3, 1, 5, 2

❌ 3. 4, 1, 3, 2, 5

❌ 4. 3, 4, 1, 2, 5

Question ID : **98958015393**
Status : **Answered**
Chosen Option : **3**

Q.3 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.

GATE : HXYX :: SINK : _____

Ans ❌ 1. TGSE

❌ 2. TETD

❌ 3. TESD

✅ 4. TFSD

Question ID : **98958015396**
Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.4 निम्नलिखित चार शब्दों में से तीन शब्द एक निश्चित तरीके से एक जैसे हैं और एक अलग है। उस अलग शब्द को चुनिए।

Ans ✗ 1. हिनहिनाना

✗ 2. हूहू करना

✔ 3. टहलना

✗ 4. गर्जना

Question ID : **98958015402**

Status : **Answered**

Chosen Option : **3**

Q.5 In a code language, BLEND is written as ENHPG. How will WINNER be written in the same language ?

Ans ✔ 1. ZKQPHT

✗ 2. ZKQPHU

✗ 3. YKQPHT

✗ 4. ZKOPHT

Question ID : **98958015394**

Status : **Answered**

Chosen Option : **1**

Q.6 If V = 44 and FAT = 54, then how will you code LATE?

Ans ✔ 1. 76

✗ 2. 110

✗ 3. 54

✗ 4. 19

Question ID : **98958015395**

Status : **Answered**

Chosen Option : **3**

Q.7 In a family, B is the father of K. B has only two children. K is the brother of R. R is the daughter of P. A is the grand-daughter of P. S is the father of A. How is S related to K?

Ans ✗ 1. Son

✔ 2. Brother-in-law

✗ 3. Brother

✗ 4. Son-in-law

Question ID : **98958015399**

Status : **Answered**

Chosen Option : **2**

Q.8 A plastic toy costs ₹7. A plastic spoon costs ₹5. X spends ₹38 on these plastic items. Find the number of plastic toys he/she purchased?
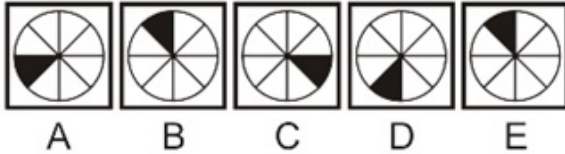
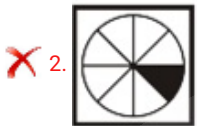Ans ✗ 1. 3

✔ 2. 4

✗ 3. 5

✗ 4. 2

Question ID : **98958015404**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.9 Select the figure that will come next in the following figure series.

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **98958015412**
Status : **Answered**
Chosen Option : **1**

Q.10 Three of the following four letter-clusters are alike in a certain way and one is **different**. Pick the odd one out.

Ans ✔ 1. HSKPM

✗ 2. PKSHV

✗ 3. DWGTJ

✗ 4. JQMNP

Question ID : **98958015401**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(4, 14, 44)

Ans ✔ 1. (11, 35, 107)

✗ 2. (5, 15, 30)

✗ 3. (7, 23, 69)

✗ 4. (9, 30, 57)

Question ID : **98958015407**

Status : **Not Attempted and Marked For Review**

Chosen Option : **--**

Q.12 Which two signs should be interchanged in the following equation to make it correct?

132×11+8-3÷12=-16

Ans ✗ 1. + and −

✔ 2. × and ÷

✗ 3. + and ×

✗ 4. − and ×

Question ID : **98958015405**

Status : **Answered**

Chosen Option : **2**

Q.13 Four different positions of the same dice are shown. Find the number on the face opposite to the one having 3.

Ans ✗ 1. 6

✗ 2. 4

✔ 3. 2

✗ 4. 1

Question ID : **98958015411**

Status : **Answered**

Chosen Option : **3**

Q.14 Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest .

Ans ✗ 1. 5138

✔ 2. 3128

✗ 3. 9178

✗ 4. 7158

Question ID : **98958015410**

Status : **Answered**

Chosen Option : **2**

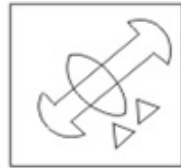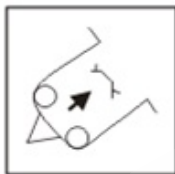**Q.15** Select the option in which the given figure is embedded.

Ans

1.

2.

3.

4.

Question ID : **98958015414**
Status : **Answered**
Chosen Option : **1**

Q.16 Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

Ans

1.

2.

3.

4.

Question ID : **98958015416**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(4, 152, 6)

Ans   1. (5, 287, 8)

✘ 2. (4, 179, 7)

✘ 3. (3, 55, 4)

✔ 4. (2, 208, 6)

Question ID : **98958015408**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.18 Three statements are given, followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
All rocks are oceans.
All oceans are balloons.
Some watches are balloons.

Conclusions:
I. Some balloons are rocks.
II. Some watches are oceans.
III. All oceans are rocks.

Ans ✘ 1. Only conclusion II follows.

✘ 2. Only conclusions I and III follow.

✘ 3. Only conclusions I and II follow.

✔ 4. Only conclusion I follows.

Question ID : **98958015403**
Status : **Answered**
Chosen Option : **2**

Q.19 Which number will replace the **question mark (?) in the following series?**

5, 8, 20, 34, 76, 142, ?

Ans ✘ 1. 284

✘ 2. 302

✔ 3. 296

✘ 4. 272

Question ID : **98958015409**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Select the number-pair in which the two numbers are related in the same way as are the two numbers of the following number-pair.
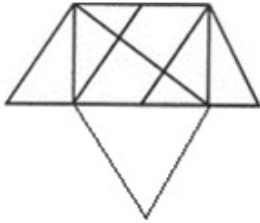
7 : 85

Ans ✘ 1. 3 : 31

✘ 2. 2 : 9

✘ 3. 5 : 43

✔ 4. 8 : 113

Question ID : **98958015406**
Status : **Answered**
Chosen Option : **2**

Q.21 How many triangles are present in the following figure?

Ans

✗ 1. 14

✔ 2. 15

✗ 3. 16

✗ 4. 13

Question ID : **98958015413**
Status : **Answered**
Chosen Option : **2**

Q.22 'Chickenpox' is related to 'Virus' in the same way as 'Ringworm' is related to '_____'.

Ans

✗ 1. Protozoan

✗ 2. Bacterium

✗ 3. Nematodes

✔ 4. Fungus

Question ID : **98958015397**
Status : **Answered**
Chosen Option : **4**

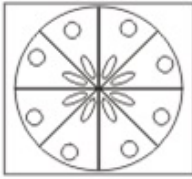**Q.23** A paper is folded and cut as shown in the following figures. How will it appear when unfolded?

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **98958015415**
Status : **Answered**
Chosen Option : **3**

Q.24 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

abc_dab_ _d_b_cdab_c_

Ans

✗ 1. cacacdc

✗ 2. acacdcc

✗ 3. ccaacdc

✔ 4. cccaccd

Question ID : **98958015398**
Status : **Answered**
Chosen Option : **4**

Q.25 उस वेन आरेख का चयन करें जो निम्नलिखित वर्गों के बीच के संबंध को सबसे अच्छा दर्शाता है।

आलस्य, चिंता, शक्ति

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Question ID : **98958015417**
Status : **Answered**
Chosen Option : **3**

Section : **General Awareness**

Q.1 In which of the following locations was the Global Venture Capital Summit 2018 held?

Ans

✗ 1. Mumbai

✗ 2. Pune

✗ 3. Ahmedabad

✔ 4. Goa

Question ID : **98958015038**
Status : **Not Answered**
Chosen Option : **--**

Q.2 In May 2019, Prem Singh Tamang was sworn in as the Chief Minister of:

Ans ✗ 1. Arunachal Pradesh

✗ 2. Odisha

✔ 3. Sikkim

✗ 4. Assam

Question ID : **98958015032**
Status : **Answered**
Chosen Option : **3**

Q.3 AIX is the operating system of which company?

Ans ✗ 1. Apple

✗ 2. Unisys

✔ 3. IBM

✗ 4. Microsoft

Question ID : **98958015022**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Which state has proposed to set up the first 'Blockchain District' in India?

Ans ✗ 1. Gujarat

✗ 2. Maharashtra

✔ 3. Telangana

✗ 4. Tamil Nadu

Question ID : **98958015031**
Status : **Answered**
Chosen Option : **3**

Q.5 The Sunauli border is a famous transit point between India and _____.

Ans ✗ 1. Myanmar

✔ 2. Nepal

✗ 3. Pakistan

✗ 4. Bhutan

Question ID : **98958015023**
Status : **Answered**
Chosen Option : **1**

Q.6 Which of the following art forms of Kerala is in UNESCO's list of the Intangible Cultural Heritage of Humanity?

Ans   ✗ 1. Theyyam

     ✓ 2. Kutiyattam

     ✗ 3. Chakyar Koothu

     ✗ 4. Thiruvathirakali

Question ID : **98958015014**
Status : **Answered**
Chosen Option : **2**

Q.7 _____ जीव विज्ञान की वह शाखा है जो जीव की संरचना और उनके अंगों के अध्ययन से संबंधित है।

Ans   ✗ 1. परिस्थिति-विज्ञान

     ✓ 2. शरीर रचना विज्ञान

     ✗ 3. क्रोनोबायोलॉजी

     ✗ 4. कवक विज्ञान

Question ID : **98958015019**
Status : **Answered**
Chosen Option : **2**

Q.8 The Walayar Dam is in which district of Kerala?

Ans   ✗ 1. Kasaragod

     ✓ 2. Palakkad

     ✗ 3. Thrissur

     ✗ 4. Idukki

Question ID : **98958015024**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Veteran journalist and TV anchor Karan Thapar is the author of which of the following books?

Ans   ✗ 1. Happyness

     ✗ 2. Rebel Sultans

     ✓ 3. Devil's Advocate: The Untold Story

     ✗ 4. Why I Am a Hindu

Question ID : **98958015030**
Status : **Answered**
Chosen Option : **4**

Q.10 In May 2019, Suresh Kumar was appointed as the Chief Technology Officer of:

Ans   ✗ 1. Amazon

     ✓ 2. Walmart

     ✗ 3. Google

     ✗ 4. Apple

Question ID : **98958015029**
Status : **Not Answered**
Chosen Option : **--**

Q.11 With which of the following sports is Karun Chandhok associated?

Ans
- ✗ 1. Lawn Tennis
- ✗ 2. Badminton
- ✗ 3. Table Tennis
- ✓ 4. Car Racing

Question ID : **98958015034**
Status : **Not Answered**
Chosen Option : **--**

Q.12 Ottamthullal' is a traditional dance form that is popular in the state of:

Ans
- ✗ 1. Andhra Pradesh
- ✗ 2. Karnataka
- ✓ 3. Kerala
- ✗ 4. Tamil Nadu

Question ID : **98958015015**
Status : **Answered**
Chosen Option : **3**

Q.13 Scissor Cup is associated with which sports?

Ans
- ✗ 1. badminton
- ✗ 2. cricket
- ✗ 3. hockey
- ✓ 4. football

Question ID : **98958015035**
Status : **Answered**
Chosen Option : **3**

Q.14 In the context of banking sector of India, what is the full form of IMPS?

Ans
- ✗ 1. Instant Payment Service
- ✗ 2. Instant Payment Sector
- ✗ 3. Immediate Payment Sector
- ✓ 4. Immediate Payment Service

Question ID : **98958015016**
Status : **Answered**
Chosen Option : **1**

Q.15 What is the height of the Statue of Unity that is located in Gujarat?

Ans
- ✗ 1. 93 m
- ✗ 2. 120 m
- ✗ 3. 153 m
- ✓ 4. 182 m

Question ID : **98958015037**

Status : **Answered**

Chosen Option : **4**

Q.16 Which is the coldest place in India?

Ans   ✗ 1. Amarnath

     ✔ 2. Dras

     ✗ 3. Leh

     ✗ 4. Srinagar

Question ID : **98958015025**

Status : **Answered**

Chosen Option : **3**

Q.17 Who was appointed as the 24th Chief of Naval Staff in May 2019?

Ans   ✗ 1. Sunil Lanba

     ✗ 2. Surinder Pal Singh

     ✗ 3. Bimal Verma

     ✔ 4. Karambir Singh

Question ID : **98958015036**

Status : **Answered**

Chosen Option : **4**

Q.18 Who among the following coined the term "battery" to describe linked capacitors?

Ans   ✔ 1. Benjamin Franklin

     ✗ 2. Luigi Galvani

     ✗ 3. John Frederic Daniell

     ✗ 4. Lewis Urry

Question ID : **98958015020**

Status : **Not Answered**

Chosen Option : **--**

Q.19 Who among the following is the author of "Principles of Political Economy"?

Ans   ✗ 1. Milton Friedman

     ✔ 2. John Stuart Mill

     ✗ 3. Joseph Schumpeter

     ✗ 4. David Ricardo

Question ID : **98958015017**

Status : **Not Answered**

Chosen Option : **--**

Q.20 The enzyme, Lipase is produced by which organ of the body?

Ans   ✗ 1. Lung

     ✗ 2. Salivary gland

     ✗ 3. Liver

     ✔ 4. Pancreas

Question ID : **98958015018**
Status : **Answered**
Chosen Option : **2**

Q.21 The Book 'Gulamgiri' was written by:

Ans ✓ 1. Jyotirao Phule

✗ 2. Haridas Thakur

✗ 3. Narayana Guru

✗ 4. Ramabai Shinde

Question ID : **98958015027**
Status : **Not Answered**
Chosen Option : **--**

Q.22 Who was the founder of the first search engine called 'Archie'?

Ans ✗ 1. David Filo

✓ 2. Alan Emtage

✗ 3. Matthew Gray

✗ 4. Martijn Koster

Question ID : **98958015021**
Status : **Answered**
Chosen Option : **3**

Q.23 Who among the following was India's defence minister during the 1971 war between India and Pakistan?

Ans ✗ 1. Yashwantrao Chavan

✗ 2. Indira Gandhi

✗ 3. Swaran Singh

✓ 4. Jagjivan Ram

Question ID : **98958015028**
Status : **Answered**
Chosen Option : **4**

Q.24 Chhattisgarh does NOT share its boundary with:

Ans ✓ 1. West Bengal

✗ 2. Uttar Pradesh

✗ 3. Madhya Pradesh

✗ 4. Telangana

Question ID : **98958015026**
Status : **Answered**
Chosen Option : **4**

Q.25 When was the first match of ICC Cricket World Cup 2019 played?

Ans ✗ 1. 2 June 2019

✓ 2. 30 May 2019

✗ 3. 1 June 2019

✗ 4. 31 May 2019

Question ID : **98958015033**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 The area of a field in the shape of a hexagon is $2400\sqrt{3}$ m^2. What will be the cost of fencing it at ₹18.50 per metre?
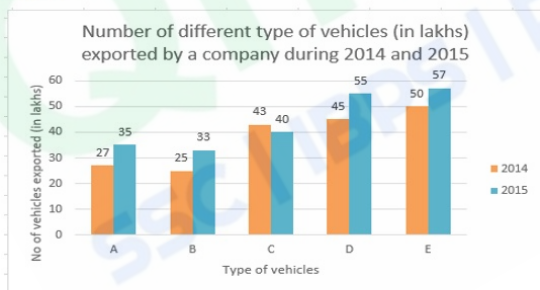
Ans
✔ 1. ₹4440
✗ 2. ₹5920
✗ 3. ₹5550
✗ 4. ₹5180

Question ID : **98958015537**
Status : **Not Answered**
Chosen Option : **--**

Q.2 In a circle with centre O, AD is a diameter and AC is a chord. B is a point on AC, such that OB = 5 cm and ∠OBA = 60°. If ∠DOC = 60°, then what is the length of BC?

Ans
✗ 1. 4 cm
✗ 2. $3\sqrt{5}$ cm
✗ 3. $5\sqrt{3}$ cm
✔ 4. 5 cm

Question ID : **98958015550**
Status : **Not Answered**
Chosen Option : **--**

Q.3 The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.

Number of different type of vehicles (in lakhs) exported by a company during 2014 and 2015

The total number of type B, D and E vehicles exported in 2014 is what percentage of the total number of type A, C, D and E vehicles exported in 2015 (correct to one decimal place)?

Ans
✗ 1. 62.4%
✗ 2. 61.6%
✗ 3. 63.8%
✔ 4. 64.2%

Question ID : **98958015559**
Status : **Not Answered**
Chosen Option : **--**

Q.4

A and B can complete a task in 25 days. B alone can complete $33\frac{1}{3}$% of the same task in 15 days. In how many days can A alone complete $\frac{4}{15}$ th of the same task?

Ans   ✔ 1. 15

     ✘ 2. 10

     ✘ 3. 18

     ✘ 4. 12

Question ID : **98958015535**
Status : **Answered**
Chosen Option : **1**

Q.5 Tangents AB and AC are drawn to a circle from a point A, such that ∠BAC = 40°. A chord CP is drawn parallel to BA. The measure of ∠ CBP is:

Ans   ✘ 1. 55 °

     ✘ 2. 45 °

     ✘ 3. 35 °

     ✔ 4. 40 °

Question ID : **98958015549**
Status : **Answered**
Chosen Option : **3**

Q.6 The marked price of an article is ₹600. After allowing a discount of 25% on the marked price, there was a loss of ₹30. The loss percentage is:

Ans   ✘ 1. 7.50%

     ✘ 2. 7.25%

     ✔ 3. 6.25%

     ✘ 4. 6.50%

Question ID : **98958015539**
Status : **Answered**
Chosen Option : **3**

Q.7 What is the difference between the compound interest, when interest is compounded 5-monthly, and the simple interest on a sum of ₹12,000 for $1\frac{1}{4}$ years at 12% per annum?

Ans   ✘ 1. ₹90

     ✔ 2. ₹91.50

     ✘ 3. ₹93

     ✘ 4. ₹92.50

Question ID : **98958015543**
Status : **Not Answered**
Chosen Option : **--**

Q.8 A man travels a certain distance at 12 km/h and returns to the starting point at 9 km/h. The total time taken by him for the entire journey is $2\frac{1}{3}$ hours. The total distance (in km) covered by him is:

Ans   ✘ 1. 25

     ✘ 2. 12

✔ 3. 24
✘ 4. 28

Q.9 $\dfrac{\cot\theta}{(1-\sin\theta)(\sec\theta+\tan\theta)}$ is equal to:

Ans
✔ 1. $\csc\theta$
✘ 2. $\sin\theta$
✘ 3. $\sec\theta$
✘ 4. 1

Q.10 There are three numbers. If the average of any two of them is added to the third number, the sums obtained are 177, 163 and 138. What is the average of the largest and the smallest of the given numbers?
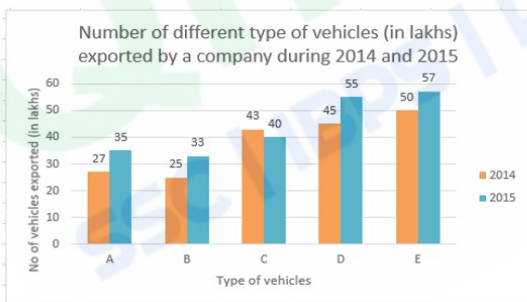
Ans
✔ 1. 76
✘ 2. 79
✘ 3. 81
✘ 4. 67

Q.11 The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.

Number of different type of vehicles (in lakhs) exported by a company during 2014 and 2015

No of vehicles exported (in lakhs)

Type of vehicles

■ 2014
■ 2015

What is the ratio of the total number of type A and C vehicles exported in 2014 to the total number of type B and E vehicles exported in 2015?

Ans
✘ 1. 8 : 11
✔ 2. 7 : 9
✘ 3. 2 : 3
✘ 4. 5 : 7

Q.12 If $x + y = 7$ and $xy = 10$, then the value of $\left(\frac{1}{x^3} + \frac{1}{y^3}\right)$ is:

Ans ✗ 1. 0.543

✗ 2. 0.131

✔ 3. 0.133

✗ 4. 0.453

Question ID : **98958015546**

Status : **Answered**

Chosen Option : **4**

Q.13 A man spends 72% of his income. If his income increases by 28% and his expenditure increases by 25%, then what is the percentage increase or decrease in his savings (correct to one decimal place)?

Ans ✗ 1. 26.9% decrease

✗ 2. 38.4% increase

✔ 3. 35.7% increase

✗ 4. 26.3% decrease

Question ID : **98958015540**

Status : **Answered**

Chosen Option : **2**

Q.14 The value of $\frac{3}{4} \div \frac{3}{4}$ of $\frac{3}{4} \times \frac{4}{3} + \frac{5}{2} \div \frac{2}{5}$ of $\frac{5}{4} - \left(\frac{2}{3} + \frac{2}{3}\right.$ of $\left.\frac{5}{6}\right)$ is:

Ans ✗ 1. $\dfrac{14}{3}$

✗ 2. $\dfrac{41}{9}$

✗ 3. $\dfrac{22}{3}$

✔ 4. $\dfrac{50}{9}$

Question ID : **98958015545**

Status : **Not Answered**

Chosen Option : **--**

Q.15 If the nine-digit number $43x1145y2$ is divisible by 88, then the value of $(3x - 2y)$, for the smallest value of y, is:

Ans ✔ 1. 22

✗ 2. 18

✗ 3. 20

✗ 4. 9

Question ID : **98958015544**

Status : **Answered**

Chosen Option : **4**

Q.16

A sum of ₹4,360 was to be divided among A, B, C and D in the ratio of 3 : 4 : 5 : 8, but it was divided in the ratio of $\frac{1}{3} : \frac{1}{4} : \frac{1}{5} : \frac{1}{8}$ by mistake. As a result:

Ans

 ✗ 1. A received ₹956 more

 ✗ 2. B received ₹318 more

 ✔ 3. D received ₹1,144 less

 ✗ 4. C received ₹132 less

Question ID : **98958015542**

Status : **Not Answered**

Chosen Option : --

Q.17 By selling 72 articles, a loss equal to the selling price of 8 articles was incurred. What is the loss percentage?

Ans

 ✗ 1. 12%

 ✔ 2. 10%

 ✗ 3. $9\frac{1}{9}\%$

 ✗ 4. $11\frac{1}{9}\%$

Question ID : **98958015541**

Status : **Answered**

Chosen Option : **4**

Q.18 If $2\cos^2\theta - 5\cos\theta + 2 = 0$, $0° < \theta < 90°$, then the value of $(\csc\theta + \cot\theta)$ is:

Ans

 ✗ 1. $\dfrac{1}{\sqrt{3}}$

 ✔ 2. $\sqrt{3}$

 ✗ 3. $\dfrac{1}{3}$

 ✗ 4. $2\sqrt{3}$

Question ID : **98958015555**

Status : **Not Answered**

Chosen Option : --

Q.19 If $8x^2 + y^2 - 12x - 4xy + 9 = 0$, then the value of $(14x - 5y)$ is:

Ans
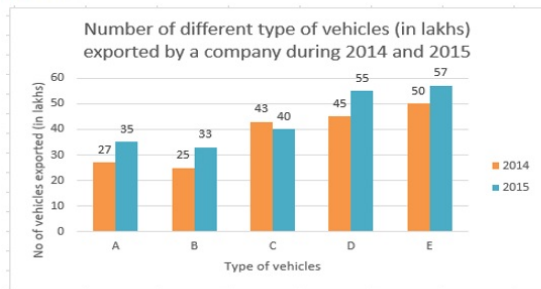
 ✗ 1. 9

 ✔ 2. 6

 ✗ 3. 5

 ✗ 4. 3

Question ID : **98958015547**

Status : **Not Answered**

Chosen Option : --

Q.20

The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.

Number of different type of vehicles (in lakhs) exported by a company during 2014 and 2015

Which type of vehicle showed 32% increase in export in 2015 as compared to that in the previous year?

Ans ✔ 1. B

✘ 2. A

✘ 3. E

✘ 4. D

Question ID : **98958015557**
Status : **Not Answered**
Chosen Option : **--**

Q.21 The sides AB and AC of Δ ABC are produced to points D and E, respectively. The bisectors of ∠ CBD and ∠ BCE meet at P. If ∠ A = 72°, then the measure of ∠ P is:

Ans ✘ 1. $36°$

✘ 2. $45°$

✘ 3. $60°$

✔ 4. $54°$

Question ID : **98958015551**
Status : **Answered**
Chosen Option : **4**

Q.22 If $x + y + z = 19$, $xyz = 216$ and $xy + yz + zx = 114$, then the value of $\sqrt{x^3 + y^3 + z^3 + xyz}$ is:

Ans ✘ 1. 32

✘ 2. 30

✘ 3. 28

✔ 4. 35

Question ID : **98958015548**
Status : **Not Answered**
Chosen Option : **--**

Q.23 The value of $\dfrac{\tan 13° \tan 37° \tan 45° \tan 53° \tan 77°}{2 \operatorname{cosec}^2 60° \left(\cos^2 60° - 3\cos 60° + 2\right)}$ is:

Ans ✘ 1. 2

✘ 2. 1

✘ 3. $\dfrac{3}{2}$

✔ 4. $\frac{1}{2}$

Q.24 In Δ ABC, D is a point on side AB such that BD = 2 cm and DA = 3 cm. E is a point on BC such that DE ∥ AC, and AC = 4 cm. Then (Area of Δ BDE) : (Area of trapezium ACED) is:

Ans
✔ 1. 4 : 21

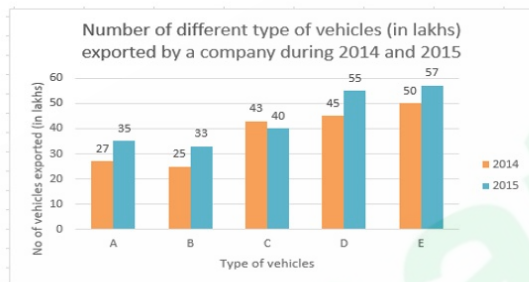✘ 2. 2 : 5

✘ 3. 1 : 5

✘ 4. 4 : 25

Q.25 The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.

Number of different type of vehicles (in lakhs) exported by a company during 2014 and 2015

The average number of type A, B and D vehicles exported in 2015 was $x\%$ less than the number of type E vehicles exported in 2014. What is the value of x?

Ans
✔ 1. 18

✘ 2. 24

✘ 3. 20

✘ 4. 25

Section : **English Language**

Q.1 Select the word which means the same as the group of words given.

A person belonging to a foreign country

Ans
✘ 1. native

✘ 2. resident

✔ 3. alien

✘ 4. inhabitant

Q.2 Select the most appropriate synonym of the given word.

EXPOSE

Ans ✗ 1. hide

✗ 2. bury

✓ 3. reveal

✗ 4. protect

Question ID : **98958015002**
Status : **Answered**
Chosen Option : **3**

Q.3 Select the most appropriate antonym of the given word.

MINISCULE

Ans ✗ 1. dwarf

✗ 2. small

✓ 3. gigantic

✗ 4. meagre

Question ID : **98958015004**
Status : **Answered**
Chosen Option : **3**

Q.4 Select the wrongly spelt word.

Ans ✗ 1. celebrity

✗ 2. celebrate

✓ 3. celeberation

✗ 4. celebrant

Question ID : **98958015011**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

Nowadays rent for a two-room house can run <u>as high to</u> Rs. 40,000/ in Mumbai.

Ans ✗ 1. so high so

✗ 2. so high to

✗ 3. No improvement

✓ 4. as high as

Question ID : **98958014993**
Status : **Marked For Review**
Chosen Option : **4**

Q.6 Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

<u>Lot of peoples</u> visit this restaurant as its biryani is famous.

Ans

✗ 1. No improvement

✗ 2. A lot peoples

✔ 3. A lot of people

✗ 4. Much of people

Question ID : 98958014992
Status : Answered
Chosen Option : 3

Q.7 **Select the most appropriate synonym of the given word.**

ADVERSARY

Ans ✗ 1. helper

✗ 2. assistant

✔ 3. rival

✗ 4. supporter

Question ID : 98958015003
Status : Answered
Chosen Option : 2

Q.8 **Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.**

A. Later, they set up their own art school and gallery in the prison.
B. The prisoners wanted to display their art work inside the prison.
C. They took the help of volunteers from the School of Art.
D. Prisoners who were interested in visual arts and painting could study there.

Ans ✔ 1. BCAD

✗ 2. DCAB

✗ 3. BDAC

✗ 4. CBAD

Question ID : 98958015001
Status : Answered
Chosen Option : 2

Q.9 **In the sentence identify the segment which contains the grammatical error.**

Three more elevated roads have been propose in the new plan to unclog the traffic in Delhi.

Ans ✗ 1. in the new plan

✗ 2. Three more elevated roads

✗ 3. to unclog the traffic in Delhi

✔ 4. have been propose

Question ID : 98958014988
Status : Answered
Chosen Option : 4

Q.10 **Select the most appropriate meaning of the given idiom.**

dance to someone's tune

Ans ✗ 1. argue with others on petty matters

❌ 2. delay in making a decision

✅ 3. do what others want you to do

❌ 4. be engaged in an energetic activity

Question ID : **98958015007**
Status : **Answered**
Chosen Option : **3**

Q.11 Select the most appropriate meaning of the given idiom.

leave no stone unturned

Ans ❌ 1. leave the path halfway

❌ 2. not make enough efforts

❌ 3. turn everything upside down

✅ 4. try everything possible

Question ID : **98958015006**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the wrongly spelt word.

Ans ❌ 1. earn

❌ 2. eerie

❌ 3. early

✅ 4. eagel

Question ID : **98958015010**
Status : **Answered**
Chosen Option : **4**

Q.13 In the sentence identify the segment which contains the grammatical error.

Tilak rowed through the river and tied his boat on the other side.

Ans ❌ 1. and tied his boat

❌ 2. on the other side

❌ 3. Tilak rowed

✅ 4. through the river

Question ID : **98958014989**
Status : **Answered**
Chosen Option : **4**

Q.14 Select the correct passive form of the given sentence.

The prisoners have made these paintings.

Ans ❌ 1. These prisoners have been made by the paintings.

❌ 2. These paintings were made by the prisoners.

❌ 3. These paintings are made by the prisoners.

✅ 4. These paintings have been made by the prisoners.

Question ID : **98958014990**

Status : **Answered**

Chosen Option : **4**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No : 15

Q.15 Select the most appropriate option for blank No. 1.

Ans ✔️ 1. visit

❌ 2. travel

❌ 3. trip

❌ 4. stay

Question ID : **98958014995**

Status : **Answered**

Chosen Option : **1**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No : 16

Q.16 Select the most appropriate option for blank No. 2.

Ans ❌ 1. calling

❌ 2. calls

❌ 3. call

✔️ 4. called

Question ID : **98958014996**

Status : **Answered**

Chosen Option : **2**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No : 17

Q.17 Select the most appropriate option for blank No. 3.

Ans ❌ 1. whole

❌ 2. one

✔ 3. every

✘ 4. all

Question ID : **98958014997**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No : 18

Q.18 Select the most appropriate option for blank No. 4.

Ans ✘ 1. was

✘ 2. has been

✘ 3. have been

✔ 4. were

Question ID : **98958014998**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No : 19

Q.19 Select the most appropriate option for blank No. 5.

Ans ✘ 1. mysterious

✘ 2. holy

✘ 3. sacred

✔ 4. concealed

Question ID : **98958014999**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the correct indirect form of the given sentence.

Mr. Puri said to me, "Why are you taking down this fence?"

Ans ✘ 1. Mr. Puri asked me why was I taking down this fence.

✘ 2. Mr. Puri said to me why you were taking down that fence.

✔ 3. Mr. Puri asked me why I was taking down that fence.

✘ 4. Mr. Puri said to me that why are you taking down this fence.

Question ID : **98958014991**
Status : **Answered**
Chosen Option : **3**

Q.21 Select the most appropriate word to fill in the blank.

I had a stroke at an early age, but what I thought was a great _____ at that time changed my life for the better.

Ans ✔ 1. injustice

✘ 2. indent

✘ 3. indication

✘ 4. incentive

Question ID : **98958015012**
Status : **Answered**
Chosen Option : **2**

Q.22 Select the word which means the same as the group of words given.

Something that cannot be avoided

Ans ✘ 1. indelible

✘ 2. infallible

✔ 3. inevitable

✘ 4. invincible

Question ID : **98958015009**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the most appropriate word to fill in the blank.

We have little choice early in life, but as we grow older choices _____.

Ans ✘ 1. aggravate

✘ 2. adrift

✔ 3. abound

✘ 4. afloat

Question ID : **98958015013**
Status : **Answered**
Chosen Option : **4**

Q.24 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. As he looked at them, their heads began to hang low.
B. Akbar glanced at his courtiers in search of an answer.
C. Once Akbar asked his courtiers a very strange question.
D. The courtiers were dumb-founded by his question.

Ans ✔ 1. CDBA

✘ 2. CADB

✘ 3. ACBD

✘ 4. DCAB

Question ID : **98958015000**
Status : **Answered**
Chosen Option : **1**

Q.25 **Select the most appropriate antonym of the given word.**

PERPETRATE

Ans   ✗ 1. execute

✔ 2. prevent

✗ 3. perform

✗ 4. commit

Question ID : **98958015005**
Status : **Answered**
Chosen Option : **2**