CGLE- Combined Graduate Level Tier-I, 2018 Examination

Roll No.	WWW.QMATHS.IN
Registration No.	WWW.QMATHS.IN
Name	WWW.QMATHS.IN
Test Venue	Inspiration Online Test Centre
Test Time	10:00 AM - 11:00 AM
Test Date	06/06/2019

Section : **General Intelligence and Reasoning**

Q.1 Which number will replace the question mark (?) in the following series?

98, 95, 86, 82, 66, ?, 36

Ans ✗ 1. 58

✗ 2. 60

✔ 3. 61

✗ 4. 63

Question ID : **98958013087**
Status : **Answered**
Chosen Option : **3**

Q.2 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(8, 12, 24)

Ans ✔ 1. (6, 9, 18)

✗ 2. (12, 20, 40)

✗ 3. (6, 10, 18)

✗ 4. (9, 18, 27)

Question ID : **98958013090**
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.

MNOP : LONQ :: FGHI : ?
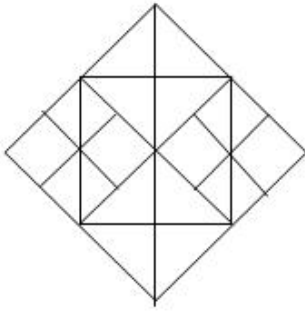
Ans ✗ 1. GFIJ

✗ 2. EGHJ

✗ 3. DHGK

✔ 4. EHGJ

Question ID : **98958013076**
Status : **Answered**
Chosen Option : **4**

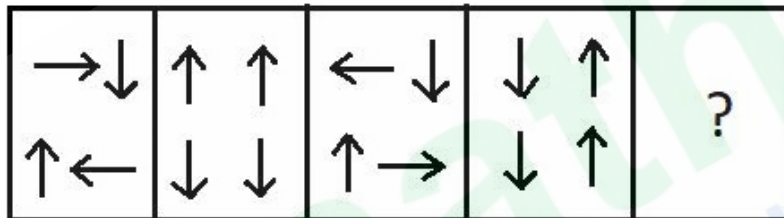**Q.4**

How many squares are there in the following figure?

Ans ✗ 1. 12

✗ 2. 18

✗ 3. 16

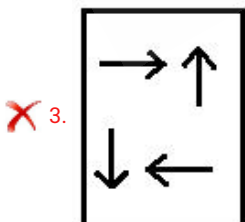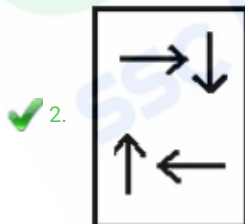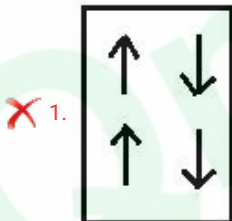✔ 4. 14

Question ID : **98958013095**
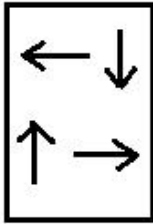Status : **Answered**
Chosen Option : **3**

Q.5 Select the figure that will come next in the following figure series.

Ans

✗ 1.

✔ 2.

✗ 3.

×4.

Question ID : **98958013094**
Status : **Not Answered**
Chosen Option : **--**

Q.6 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 : 32

Ans ✗ 1. 3 : 11
✔ 2. 13 : 98
✗ 3. 12 : 85
✗ 4. 16 : 145

Question ID : **98958013088**
Status : **Not Answered**
Chosen Option : **--**

Q.7 'Cinema' is related to 'Audience' in the same way as 'Church' is related to '_____'.

Ans ✔ 1. Congregation
✗ 2. Meditation
✗ 3. Concentration
✗ 4. Prayer

Question ID : **98958013080**
Status : **Answered**
Chosen Option : **1**

Q.8 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

Ans ✗ 1. RQST
✔ 2. FGHJ
✗ 3. MLNO
✗ 4. CBDE

Question ID : **98958013078**
Status : **Answered**
Chosen Option : **2**

Q.9 Select the set in which the numbers are related in the same way as are the numbers of the following set.

(5, 13, 12)

Ans ✗ 1. (13, 17, 11)
✗ 2. (11, 15, 9)

✗ 3. (15, 19, 13)

✓ 4. (6, 10, 8)

Question ID : **98958013091**
Status : **Not Answered**
Chosen Option : **--**

Q.10 If CAB is coded as 6 and BED is coded as 40, then how will HAD be coded as?

Ans

✗ 1. 16

✗ 2. 52

✓ 3. 32

✗ 4. 46

Question ID : **98958013083**
Status : **Not Answered**
Chosen Option : **--**

Q.11 Two 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:
No crow is a bird.
All birds are animals.

Conclusions:
I.   Some animals are crows.
II. Some animals are birds.
III. No animal is a crow.

Ans

✗ 1. Only conclusions I and III follow

✗ 2. None of the conclusions follows

✗ 3. Only conclusion III follows

✓ 4. Conclusion II and either conclusion I or III follows

Question ID : **98958013086**
Status : **Answered**
Chosen Option : **4**

Q.12 D, C का पुत्र और E का भाई है और E, F की भतीजी (niece) है। C, B की बहन है और A की अंटी है। B के पिता के दो बच्चे अर्थात् एक पुत्र और एक पुत्री है। यदि A, F का पुत्र है तो, F का C से क्या संबंध है?

Ans

✗ 1. चचेरा भाई
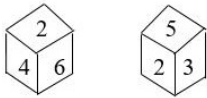
✗ 2. बुआ

✓ 3. भाभी

✗ 4. बहन

Question ID : **98958013085**
Status : **Not Answered**
Chosen Option : **--**

Q.13

Two different positions of the same dice are shown. Which number will be at the top if 4 is at the bottom?

Ans
✔ 1. 3
✘ 2. 6
✘ 3. 5
✘ 4. 1

Question ID : **98958013096**
Status : **Answered**
Chosen Option : **3**

Q.14 In a code language, COMPUTER is written as OCREPMTU. How will DAUGHTER be written in the same language?

Ans
✘ 1. READTHGU
✘ 2. ADTHREGU
✔ 3. ADREGUTH
✘ 4. ADERUGTH

Question ID : **98958013082**
Status : **Answered**
Chosen Option : **3**

Q.15 The sequence of folding a piece of square paper (figures X and Y) and the manner in which the folded paper has been cut (figure Z) are shown. How will the paper appear when unfolded?

Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.
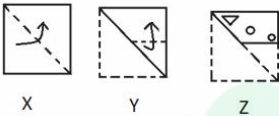
Question ID : **98958013099**
Status : **Not Answered**
Chosen Option : **--**

Q.16

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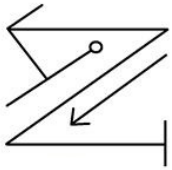

Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.
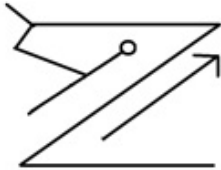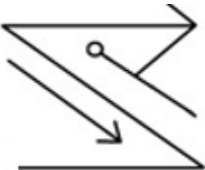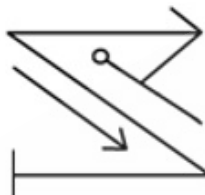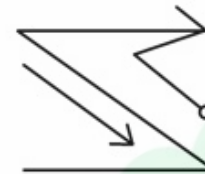
Question ID : **98958013098**
Status : **Answered**
Chosen Option : **3**

Q.17 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

Ans ✗ 1. Krishna

✗ 2. Mahanadi

✔ 3. Tapti

✗ 4. Godavari

Question ID : **98958013079**
Status : **Not Answered**
Chosen Option : **--**

Q.18 Which two signs should be interchanged in the following equation to make it correct?

$$10 + 5 \div 10 \times 8 - 10 = 16$$

Ans ✗ 1. + and ÷

✔ 2. − and +

✗ 3. ÷ and ×

✗ 4. × and +

Q.19 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

bac_cab_cd_a_ac_ca

Ans

✗ 1. bdabc

✗ 2. dcbac

✗ 3. cadbc

✔ 4. dacbd

Q.20 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. 338

✗ 2. 217

✗ 3. 28

✗ 4. 65
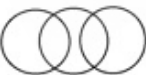
Q.21 Select the Venn diagram that best illustrates the relationship between the following classes.

Snakes, Reptiles, Poisonous

Ans

✔ 1.

✗ 2.

✗ 3.

✗ 4.

Q.22 Two mixtures contain milk and juice in the ratio of 2 : 1 and 4 : 5. If equal volumes of the two mixtures are mixed together, what would be ratio of milk to juice in the resulting mixture?

Ans ✗ 1. 7 : 5

✗ 2. 1 : 1

✗ 3. 5 : 3

✔ 4. 5 : 4

Question ID : **98958013093**
Status : **Answered**
Chosen Option : **4**

Q.23 निम्नलिखित दिए गए विकल्पों में से उस शब्द युग्म का चयन कीजिए जो आपस में उसी प्रकार संबंधित है जिस प्रकार नीचे लिखे गए शब्द युग्म के दोनों शब्द आपस में संबंधित है।

उदासीनता : उत्साह

Ans ✗ 1. युद्ध : हमला

✗ 2. संधि : मित्रता

✗ 3. नामांकन : सेवायोजन

✔ 4. निंदा : आदर

Question ID : **98958013081**
Status : **Marked For Review**
Chosen Option : **1**

Q.24 Arrange the following words in a logical and meaningful order.

1. Student

2. Job

3. Interview

4. Education

5. Retirement

6. Degree

Ans ✗ 1. 1, 5, 3, 6, 4, 2

✔ 2. 1, 4, 6, 3, 2, 5

✗ 3. 5, 3, 2, 1, 4, 6

✗ 4. 3, 5, 4, 6, 1, 2

Q.25 Select the option in which the given figure is embedded.

(X)

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
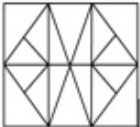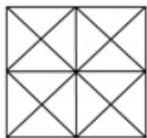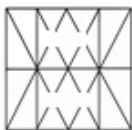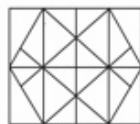
Section : **General Awareness**

Q.1 Which of the following destroys the ozone layer?

Ans ✗ 1. Sulphur

✗ 2. Carbon

✔ 3. Chlorine

✗ 4. Silicon

Q.2 Who founded and named the science of electromagnetism?

Ans ✗ 1. Michael Faraday

✗ 2. James Clerk

✗ 3. Hans Christian Oersted

✔ 4. Andre Marie Ampère

Question ID : **98958014157**
Status : **Answered**
Chosen Option : **1**

Q.3 _____ was the first Muslim ruler whose empire covered almost the whole of India up to its extreme south.

Ans ✔ 1. Alauddin Khilji

✖ 2. Jalal-ud-din Khilji

✖ 3. Ghiyas ud din Balban

✖ 4. Feroz Shah Tughlaq

Question ID : **98958014163**
Status : **Not Answered**
Chosen Option : **--**

Q.4 Where is the Bandipur National Park located?

Ans ✔ 1. Karnataka

✖ 2. Kerala

✖ 3. Gujarat

✖ 4. Sikkim

Question ID : **98958014160**
Status : **Marked For Review**
Chosen Option : **1**

Q.5 The popular Bagh cave paintings are found in _____.

Ans ✔ 1. Madhya Pradesh

✖ 2. Himachal Pradesh

✖ 3. Sikkim

✖ 4. Odisha

Question ID : **98958014149**
Status : **Not Answered**
Chosen Option : **--**

Q.6 What is deposited on iron in the process of galvanisation?

Ans ✖ 1. Copper

✔ 2. Zinc

✖ 3. Tin

✖ 4. Aluminium

Question ID : **98958014156**
Status : **Answered**
Chosen Option : **2**

Q.7 The Badami Chalukyas first had their capital at ____ before they moved it to Badami.

Ans ✖ 1. Pattadakal

✔ 2. Aihole

✖ 3. Hubli

✗ 4. Bijapur

Question ID : **98958014161**

Status : **Answered**

Chosen Option : **1**

Q.8   In February 2019, India won ____gold medal/s and five silver medals at the Makran Cup Boxing in Chabahar, Iran.

Ans   ✗ 1. two

✗ 2. three

✗ 3. four

✔ 4. one

Question ID : **98958014169**

Status : **Not Answered**

Chosen Option : **--**

Q.9   In February 2019, _____ won a gold medal at the Makran Cup in Chabahar, Iran.

Ans   ✗ 1. Manish Kaushik

✔ 2. Deepak Singh

✗ 3. Rohit Tokas

✗ 4. Satish Kumar

Question ID : **98958014170**

Status : **Not Answered**

Chosen Option : **--**

Q.10   World ___ Day 2019 was observed on 22nd March with the theme 'Leaving no one behind' to focus on marginalised groups.

Ans   ✗ 1. Environment

✗ 2. Forest

✔ 3. Water

✗ 4. Petroleum

Question ID : **98958014173**

Status : **Answered**

Chosen Option : **1**

Q.11   Which of the following ministries implemented the Midday Meal scheme?

Ans   ✗ 1. Ministry of Social Justice and Empowerment

✗ 2. Ministry of Home Affairs

✔ 3. Ministry of Human Resource Development

✗ 4. Ministry of Social Welfare

Question ID : **98958014151**

Status : **Answered**

Chosen Option : **4**

Q.12   Which was the first Muslim dynasty that ruled India?

Ans   ✔ 1. Slave dynasty

✗ 2. Tughlaq dynasty

✗ 3. Lodhi dynasty

✗ 4. Khilji dynasty

Question ID : **98958014162**
Status : **Answered**
Chosen Option : **1**

Q.13 Lok Adalats have been created under _____.

Ans
✔ 1. Legal Services Authority Act

✗ 2. Administration of Justice Act

✗ 3. Arbitration and Conciliation Act

✗ 4. Legal Conciliation Act

Question ID : **98958014167**
Status : **Answered**
Chosen Option : **3**

Q.14 Which is the longest national highway in India?

Ans
✗ 1. National Highway 48

✔ 2. National Highway 44

✗ 3. National Highway 53

✗ 4. National Highway 27

Question ID : **98958014159**
Status : **Answered**
Chosen Option : **2**

Q.15 Name the Indian Space Research Organisation (ISRO) chairman and Padma Bhushan awardee who created and unleashed a historical moment when Mars Orbiter became the first Indian spacecraft to enter Martian orbit in a maiden attempt.

Ans
✗ 1. Sundar Pichai

✔ 2. K Radhakrishnan

✗ 3. Fali Nariman

✗ 4. Nandan Nilekani

Question ID : **98958014166**
Status : **Answered**
Chosen Option : **4**

Q.16 Who among the following was a slave of Muhammad Ghori? He became the ruler after the death of his master and founded the Slave Dynasty.

Ans
✗ 1. Ghiyas ud din Balban

✗ 2. Iltutmish

✗ 3. Nasir-ud-din Mahmud

✔ 4. Qutub-ud-din Aibak

Question ID : **98958014164**
Status : **Not Answered**
Chosen Option : **--**

Q.17 _____ , which connects Sikkim with Tibet, was closed after the Chinese aggression on India in 1962 but was reopened in 2006 as the governments of the two countries decided to enhance their trade through land routes.

Ans ✗ 1. Imis La

✗ 2. Pensi La

✗ 3. Lanak La

✔ 4. Nathu La

Question ID : **98958014158**
Status : **Answered**
Chosen Option : **4**

Q.18 Who was awarded the Rabindranath Tagore Literary Prize 2019 for the Novel 'Solo'?

Ans ✗ 1. Nayanjyot Mukherjee

✔ 2. Rana Dasgupta

✗ 3. Amitabh Ghosh

✗ 4. Jhumpa Lahiri

Question ID : **98958014171**
Status : **Answered**
Chosen Option : **4**

Q.19 The colourful art named Nandna block print, which uses graceful yet aligned arrangements of motifs on fabric, is practised in Tarapur village of _____.

Ans ✗ 1. Uttarakhand

✔ 2. Madhya Pradesh

✗ 3. Odisha

✗ 4. Maharashtra

Question ID : **98958014150**
Status : **Answered**
Chosen Option : **4**

Q.20 Which of the following does NOT come under the Quarternary sector?

Ans ✔ 1. Information Technology

✗ 2. Mining

✗ 3. Manufacturing

✗ 4. Fisheries

Question ID : **98958014152**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Right to move freely throughout the territory of India' is a fundamental right under _____ of the Constitution of India.

Ans ✗ 1. Article 24

✗ 2. Article 21

✗ 3. Article 14

✓ 4. Article 19

Question ID : **98958014168**
Status : **Answered**
Chosen Option : **4**

Q.22 Which of the following metals is the most ductile metal?

Ans   ✗ 1. Tin

✓ 2. Gold

✗ 3. Copper

✗ 4. Aluminium

Question ID : **98958014153**
Status : **Not Answered**
Chosen Option : **--**

Q.23 International Day of Forests 2019 was observed on 21st March with the theme _____ to raise awareness on how sustainably managed forests provide a wide array of contributions.

Ans   ✗ 1. Pollution-free Forests'

✓ 2. Forests and Education'

✗ 3. Forests and Environment'

✗ 4. Forests Our Saviour'

Question ID : **98958014172**
Status : **Answered**
Chosen Option : **3**

Q.24 Which of the following metals is the most reactive metal?

Ans   ✗ 1. Copper

✓ 2. Calcium

✗ 3. Iron

✗ 4. Zinc

Question ID : **98958014154**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Which Indian received the Nobel Peace Prize after Mother Teresa?

Ans   ✗ 1. K Radhakrishnan

✗ 2. Fali Nariman

✗ 3. P Sathasivam

✓ 4. Kailash Satyarthi

Question ID : **98958014165**
Status : **Answered**
Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1

A person sold an article at a loss of 8%. Had he sold it at a gain of 10.5%, he would have received ₹92.50 more. To gain 12%, he should have sold it for:

Ans ✗ 1. ₹540.50

✔ 2. ₹560

✗ 3. ₹580

✗ 4. ₹537.40

Question ID : 98958013200
Status : **Answered**
Chosen Option : **2**

Q.2 A sum of ₹15,000 is lent at 16% p.a. compound interest. What is the difference between the compound interest for the second year and the third year?

Ans ✗ 1. ₹544

✔ 2. ₹445.44

✗ 3. ₹454.88

✗ 4. ₹548

Question ID : 98958013202
Status : **Not Answered**
Chosen Option : **--**

Q.3 The value of $(5 + 3 \div 5 \times 5) \div (3 \div 3 \text{ of } 6) \text{ of } (4 \times 4 \div 4 \text{ of } 4 + 4 \div 4 \times 4)$ is:

Ans ✗ 1. $8\frac{1}{5}$

✗ 2. $7\frac{1}{3}$

✔ 3. $9\frac{3}{5}$

✗ 4. $6\frac{2}{3}$

Question ID : 98958013196
Status : **Not Answered**
Chosen Option : **--**

Q.4 The average of thirteen numbers is 80. The average of the first five numbers is 74.5 and that of the next five numbers is 82.5. The 11th number is 6 more than the 12th number and the 12th number is 6 less than the 13th number. What is the average of the 11th and the 13th numbers?

Ans ✔ 1. 87

✗ 2. 86

✗ 3. 86.5

✗ 4. 87.5

Question ID : 98958013197
Status : **Answered**
Chosen Option : **4**

Q.5 A shopkeeper marks his goods at 40% more than their cost price and allows a discount of 25% on the marked price. His gain or loss percent is:

Ans ✗ 1. 5% loss

✗ 2. 15% gain

✗ 3. 10% loss

✔ 4. 5% gain

Question ID : **98958013198**

Status : **Answered**

Chosen Option : **4**

Q.6 If $ab + bc + ca = 8$ and $a^2 + b^2 + c^2 = 20$, then a possible value of

$\frac{1}{2}(a + b + c)[(a - b)^2 + (b - c)^2 + (c - a)^2]$ is:

Ans ✔ 1. 72

✗ 2. 56

✗ 3. 84

✗ 4. 80

Question ID : **98958013208**

Status : **Not Answered**

Chosen Option : **--**

Q.7 $\dfrac{\sin\theta - \cos\theta + 1}{\sin\theta + \cos\theta - 1} = ?$

Ans ✗ 1. $\sec\theta \sin\theta$

✗ 2. $\sec\theta \tan\theta$

✔ 3. $\sec\theta + \tan\theta$

✗ 4. $\sec\theta - \tan\theta$

Question ID : **98958013214**

Status : **Not Answered**

Chosen Option : **--**

Q.8 The income of A is 50% more than that of B. If the income of A is increased by 40% and the income of B is increased by 90%, then the percentage increase in their combined income will be:

Ans ✗ 1. 64

✗ 2. 55

✔ 3. 60

✗ 4. 70

Question ID : **98958013199**

Status : **Not Answered**

Chosen Option : **--**

Q.9 A circle is inscribed in ΔABC, touching AB at P, BC at Q and AC at R. If AR = 5 cm, RC = 6 cm and AB = 12 cm, then the perimeter of ΔABC is:

Ans ✗ 1. 40 cm

✗ 2. 32 cm

✗ 3. 37 cm

✔ 4. 36 cm

> Question ID : **98958013210**
> Status : **Answered**
> Chosen Option : **4**

Q.10 If $(8x^3 - 27y^3) \div (2x - 3y) = (Ax^2 + Bxy + Cy^2)$, then the value of $(2A + B - C)$ is:

Ans
✘ 1. 4
✘ 2. 6
✔ 3. 5
✘ 4. 3

> Question ID : **98958013206**
> Status : **Not Answered**
> Chosen Option : **--**

Q.11 If the 8-digit number $2074x4y2$ is divisible by 88, then the value of $(4x + 3y)$ is:

Ans
✘ 1. 49
✘ 2. 36
✘ 3. 42
✔ 4. 45

> Question ID : **98958013195**
> Status : **Not Answered**
> Chosen Option : **--**

Q.12 Pipes A and B can fill a tank in one hour and two hours respectively while pipe C can empty the filled up tank in one hour and fifteen minutes. A and C are turned on together at 9 a.m. After 2 hours, only A is closed and B is turned on. When will the tank be emptied?

Ans
✘ 1. 12:10 p.m.
✘ 2. 11:30 a.m.
✘ 3. 10:30 a.m.
✔ 4. 12:20 p.m.

> Question ID : **98958013203**
> Status : **Not Answered**
> Chosen Option : **--**

Q.13 ABCD is a cyclic quadrilateral whose diagonals intersect at P. If AB = BC, $\angle DBC = 70°$ and $\angle BAC = 30°$, then the measure of $\angle PCD$ is:

Ans
✘ 1. 35°
✔ 2. 50°
✘ 3. 55°
✘ 4. 30°

> Question ID : **98958013209**
> Status : **Marked For Review**
> Chosen Option : **2**

Q.14

The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car\Year	A	B	C	D	E
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

If the data related to the production of cars in 2018 is represented by pie chart, then the central angle of the sector representing the production of type C cars will be:

Ans ✔ 1. 72°

✗ 2. 59°

✗ 3. 93°

✗ 4. 91°

Question ID : **98958013217**
Status : **Answered**
Chosen Option : **4**

Q.15 When x is subtracted from each of 21, 22, 60 and 64, the numbers so obtained, in this order, are in proportion. What is the mean proportional between $(x + 1)$ and $(7x + 8)$?

Ans ✗ 1. 27

✗ 2. 18

✔ 3. 24

✗ 4. 21

Question ID : **98958013201**
Status : **Not Answered**
Chosen Option : **--**

Q.16 The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car\Year	A	B	C	D	E
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

The average production of type D cars in 5 years is what percent less than the production of type E cars in 2018? (Correct to one decimal place)

Ans ✔ 1. 18.6

✗ 2. 16.8

✗ 3. 15.9

✗ 4. 17.4

Question ID : **98958013219**
Status : **Not Answered**
Chosen Option : **--**

Q.17 The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car\Year	A	B	C	D	E
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

The total production of type B cars in all the five years is what percent more than the total production of type A, B and D cars in 2017?

Ans

  ✗ 1. 49.5

  ✔ 2. 47.5

  ✗ 3. 57.3

  ✗ 4. 32.2

Question ID : **98958013218**

Status : **Not Answered**

Chosen Option : **--**

Q.18 G is the centroid of the triangle ABC, where AB, BC and CA are 7 cm, 24 cm and 25 cm respectively, then BG is:

Ans

  ✗ 1. $6\frac{1}{3}$ cm

  ✔ 2. $8\frac{1}{3}$ cm

  ✗ 3. $5\frac{1}{2}$ cm

  ✗ 4. $4\frac{1}{6}$ cm

Question ID : **98958013211**

Status : **Answered**

Chosen Option : **2**

Q.19 If $x = a + \frac{1}{a}$ and $y = a - \frac{1}{a}$ then $\sqrt{x^4 + y^4 - 2x^2 y^2}$ is equal to:

Ans

  ✗ 1. $16\,a^2$

  ✗ 2. 8

  ✗ 3. $\frac{8}{a^2}$

  ✔ 4. 4

Question ID : **98958013207**

Status : **Not Answered**

Chosen Option : **--**

Q.20 The volume of a metallic cylindrical pipe is 7480 cm³ . If its length is 1.4 m and its external radius is 9 cm, then its thickness (given $\pi = \frac{22}{7}$) is:

Ans

  ✔ 1. 1 cm

  ✗ 2. 0.8 cm

  ✗ 3. 0.9 cm

  ✗ 4. 1.2 cm

Question ID : **98958013205**

Status : **Not Answered**

Chosen Option : **--**

Q.21 The value of $\sqrt{\sec^2\theta + \csc^2\theta} \times \sqrt{\tan^2\theta - \sin^2\theta}$ is equal to:

Ans

  ✗ 1. $\csc\theta \, \sec^2\theta$

✔ 2. $\sin\theta\ sec^2\theta$

✘ 3. $\sin\theta\ cos^2\theta$

✘ 4. $\operatorname{cosec}\theta\ cos^2\theta$

Question ID : **98958013215**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.22 ABCD is a trapezium in which AB ∥ DC and its diagonals intersect at P. If AP = (3x-1) cm, PC = (5x-3) cm, BP = (2x+1) cm and PD = (6x-5) cm, then the length of DB is:

Ans

✘ 1. 14 cm

✔ 2. 12 cm

✘ 3. 10 cm

✘ 4. 16 cm

Question ID : **98958013212**	
Status : **Not Answered**	
Chosen Option : **--**	

Q.23 If $12\cot^2\theta - 31\operatorname{cosec}\theta + 32 = 0$, $0° < \theta < 90°$, then the values of $\tan\theta$ will be:

Ans

✔ 1. $\dfrac{4}{3}, \dfrac{3\sqrt{7}}{7}$

✘ 2. $\dfrac{4}{5}, \dfrac{5\sqrt{7}}{7}$

✘ 3. $\dfrac{5}{4}, \dfrac{4}{3}$

✘ 4. $\dfrac{4}{5}, \dfrac{4}{3}$

Question ID : **98958013213**	
Status : **Answered**	
Chosen Option : **2**	

Q.24 A and B are travelling towards each other from the points P and Q respectively. After crossing each other, A and B take $6\frac{1}{8}$ hours and 8 hours, respectively, to reach their destinations Q and P, respectively. If the speed of B is 16.8 km/h, then the speed (in km/h) of A is:

Ans

✘ 1. 20.8

✘ 2. 19.8

✔ 3. 19.2

✘ 4. 20.4

Question ID : **98958013204**	
Status : **Answered**	
Chosen Option : **2**	

Q.25

The table shows the production of different types of cars by a company (in thousands) in 5 years.

Car Year	A	B	C	D	E
2014	52	54	48	46	64
2015	47	45	53	50	45
2016	48	47	56	54	65
2017	43	50	57	67	63
2018	38	40	54	68	70

What is the ratio of the total production of type C cars in 2015 and type D cars in 2017 taken together to the total production of type B cars in 2016 and type A cars in 2017 taken together?

Ans ✗ 1. 12 : 11

✗ 2. 13 : 10

✗ 3. 11 : 9

✔ 4. 4 : 3

Question ID : **98958013216**
Status : **Not Answered**
Chosen Option : **--**

Section : **English Comprehension**

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

an enclosure to keep the birds in

Ans ✔ 1. aviary

✗ 2. apiary

✗ 3. stable

✗ 4. sanctuary

Question ID : **98958012506**
Status : **Answered**
Chosen Option : **1**

Q.2 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

If you listen to the English news, it improve your English.

Ans ✗ 1. it is improving

✔ 2. it will improve

✗ 3. it improved

✗ 4. No improvement

Question ID : **98958012490**
Status : **Answered**
Chosen Option : **4**

Q.3 Select the most appropriate meaning of the given idiom.

give someone the cold shoulder

Ans ✔ 1. ignore someone

✗ 2. give away a secret

✗ 3. do something pointless

✗ 4. pamper someone

Question ID : **98958012505**

Status : **Not Answered**

Chosen Option : **--**

Q.4 Select the antonym of the given word.

EMINENT

Ans   ✗ 1. exalted

  ✔ 2. inconspicuous

  ✗ 3. impressive

  ✗ 4. distinguished

Question ID : **98958012503**

Status : **Not Answered**

Chosen Option : **--**

Q.5 Select the word which means the same as the group of words given.

An inscription on a tombstone written in memory of the deceased

Ans   ✗ 1. pillar

  ✔ 2. epitaph

  ✗ 3. slab

  ✗ 4. basilica

Question ID : **98958012507**

Status : **Answered**

Chosen Option : **2**

Q.6 Select the most appropriate meaning of the given idiom.

pull yourself together

Ans   ✗ 1. go to sleep

  ✔ 2. calm down

  ✗ 3. try to understand

  ✗ 4. do a good job

Question ID : **98958012504**

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.

Pigeon racing has become increasingly popular in parts of China (1)_____ the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association,(2)_____ that at least 100,000 pigeon breeders live in Beijing, and (3)_____ 90,000 of them are registered with Racing Pigeons Associations at (4)_____ levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5)_____ owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 7

Q.7 Select the most appropriate option for blank No. 1.

Ans   ✗ 1. against

✗ 2. along

✓ 3. among

✗ 4. about

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.

Pigeon racing has become increasingly popular in parts of China (1)_____ the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association,(2)_____ that at least 100,000 pigeon breeders live in Beijing, and (3)_____ 90,000 of them are registered with Racing Pigeons Associations at (4)_____ levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5)_____ owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 8

Q.8   **Select the most appropriate option for blank No. 2.**

Ans   ✓ 1. said

✗ 2. clarified

✗ 3. told

✗ 4. advised

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.

Pigeon racing has become increasingly popular in parts of China (1)_____ the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association,(2)_____ that at least 100,000 pigeon breeders live in Beijing, and (3)_____ 90,000 of them are registered with Racing Pigeons Associations at (4)_____ levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5)_____ owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 9

Q.9   **Select the most appropriate option for blank No. 3.**

Ans   ✗ 1. utmost

✓ 2. almost

✗ 3. nearby

✗ 4. exact

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.

Pigeon racing has become increasingly popular in parts of China (1)_____ the country's elite

and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association,(2)_____ that at least 100,000 pigeon breeders live in Beijing, and (3)_____ 90,000 of them are registered with Racing Pigeons Associations at (4)_____ levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5)_____ owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 10

Q.10 Select the most appropriate option for blank No. 4.

Ans ✓ 1. different

✗ 2. differed

✗ 3. differential

✗ 4. differ

Question ID : **98958012496**
Status : **Not Answered**
Chosen Option : **--**

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.

Pigeon racing has become increasingly popular in parts of China (1)_____ the country's elite and its middle class. Sun Yan, the deputy general-secretary of Beijing Racing Pigeons Association,(2)_____ that at least 100,000 pigeon breeders live in Beijing, and (3)_____ 90,000 of them are registered with Racing Pigeons Associations at (4)_____ levels, to qualify for the games held in the spring and autumn. Competitions can be lucrative for (5)_____ owners, with some prizes amounting to tens of thousands of dollars. Liu said in recent years, pigeon racing has been surging in popularity across China.

SubQuestion No : 11

Q.11 Select the most appropriate option for blank No. 5.

Ans ✗ 1. pigeons

✗ 2. birds

✗ 3. animal

✓ 4. bird

Question ID : **98958012497**
Status : **Answered**
Chosen Option : **1**

Q.12 Select the wrongly spelt word.

Ans ✗ 1. explain

✗ 2. except

✗ 3. expire

✓ 4. expereince

Question ID : **98958012508**
Status : **Answered**
Chosen Option : **4**

Q.13 Select the correct active form of the given sentence.

Their children were brought up with great care.

Ans ✗ 1. They had brought up their children with great care.

✗ 2. Their children brought them up with great care.

✔ 3. They brought up their children with great care.

✘ 4. They have been bringing up their children with great care.

Question ID : **98958012489**
Status : **Answered**
Chosen Option : **1**

Q.14 Select the most appropriate word to fill in the blank.

There is hope that better forestry management will help in the _____ of the wild life that is constantly facing threat because of increasing human activities.

Ans ✘ 1. salvation

✘ 2. guarding

✘ 3. supervision

✔ 4. conservation

Question ID : **98958012510**
Status : **Answered**
Chosen Option : **4**

Q.15 In the sentence identify the segment which contains the grammatical error.

Cyclone Idai is regarded as one of the worst tropical cyclone on record to affect Africa and the Southern Hemisphere as a whole.

Ans ✘ 1. Cyclone Idai is regarded

✔ 2. the worst tropical cyclone

✘ 3. as a whole

✘ 4. to affect Africa

Question ID : **98958012487**
Status : **Answered**
Chosen Option : **1**

Q.16 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

I <u>try to solve</u> this problem at least for two hours.

Ans ✘ 1. am try to solve

✔ 2. have been trying to solve

✘ 3. tried to be solving

✘ 4. No improvement

Question ID : **98958012491**
Status : **Answered**
Chosen Option : **2**

Q.17 Select the synonym of the given word.

INDELIBLE

Ans ✘ 1. illegal

✘ 2. illegible

✔ 3. inerasable

✗ 4. ineffective

Question ID : **98958012501**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **Select the antonym of the given word.**

AGONY

Ans ✗ 1. anxiety

✗ 2. distress

✓ 3. comfort

✗ 4. misery

Question ID : **98958012502**
Status : **Not Answered**
Chosen Option : **--**

Q.19 **In the sentence identify the segment which contains the grammatical error.**

Every employee of the company were given a two bedroom flat as Diwali bonus.

Ans ✗ 1. as Diwali bonus

✗ 2. a two bedroom flat

✗ 3. Every employee

✓ 4. were given

Question ID : **98958012486**
Status : **Answered**
Chosen Option : **4**

Q.20 **Select the most appropriate word to fill in the blank.**

The burning of the effigy of Ravana on Dussehra _____ the burning of all evils.

Ans ✗ 1. epitomizes

✗ 2. intensifies

✗ 3. personifies

✓ 4. symbolizes

Question ID : **98958012511**
Status : **Answered**
Chosen Option : **4**

Q.21 **Given below are four jumbled sentences. Select the option that gives their correct order.**

A. Mango, the so-called "king of fruits", is something of a national obsession in India.
B. There was a bumper crop of mangoes in different states.
C. It resulted in prices coming down and sales going up – much to the delight of buyers and sellers alike.
D. 2017 proved to be a very good year for mango lovers.

Ans ✓ 1. ADBC

✗ 2. CDAB

✗ 3. CADB

✗ 4. ADCB

Question ID : **98958012498**
Status : **Answered**
Chosen Option : **1**

Q.22 Select the correct passive form of the given sentence.

At night, lock the outer gate.

Ans ✗ 1. The outer gate is requested to be locked at night.

✗ 2. The outer gate be locked at night.

✔ 3. Let the outer gate be locked at night.

✗ 4. The outer gate is locked at night.

Question ID : **98958012488**
Status : **Answered**
Chosen Option : **3**

Q.23 Select the synonym of the given word.

TRIUMPH

Ans ✗ 1. fight

✔ 2. victory

✗ 3. attack

✗ 4. peace

Question ID : **98958012500**
Status : **Answered**
Chosen Option : **2**

Q.24 Given below are four jumbled sentences. Select the option that gives their correct order.

A. Around 600 million of them live in areas of high to extreme water stress.
B. India is suffering from the worst water crisis, with one billion people living in water scarcity.
C. This is even more than that of China and US combined.
D. The reason is that at 24 per cent, India uses the most groundwater drawn out globally.

Ans ✔ 1. BADC

✗ 2. ACBD

✗ 3. ADCB

✗ 4. BDAC

Question ID : **98958012499**
Status : **Not Answered**
Chosen Option : **--**

Q.25 Select the wrongly spelt word.

Ans ✔ 1. contamporary

✗ 2. cooperation

✗ 3. controversial

✗ 4. conquer

Question ID : **98958012509**
Status : **Answered**

Chosen Option : **1**