

## CGLE- Combined Graduate Level Tier-I, 2018 Examination

Roll No.	
Registration No.	
Name	
Test Venue	
Test Time	4:00 PM - 5:00 PM
Test Date	07/06/2019

### Section : General Intelligence and Reasoning

**Q.1** 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.

27 : 8

- Ans**
-  1. 19 : 5
  -  2. 33 : 9
  -  3. 12 : 3
  -  4. 39 : 14





Question ID : 98958013736

Status : Not Answered

Chosen Option : --

**Q.2** Arrange the following words in a logical and meaningful order.

- 1. Doctor
- 2. Recovery
- 3. Hospital
- 4. Home
- 5. Sickness
- 6. Medicine store





- Ans**
-  1. 4, 5, 6, 1, 3, 2
  -  2. 1, 5, 3, 6, 4, 2
  -  3. 5, 3, 1, 6, 2, 4
  -  4. 5, 3, 6, 1, 3, 2

Question ID : 98958013725

Status : Answered

Chosen Option : 3

**Q.3** Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans  1. SKLV  
 2. BKJC  
 3. FNMG  
 4. PXWQ

Question ID : 98958013726  
Status : Answered  
Chosen Option : 1

Q.4 Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- Ans  1. HLP  
 2. DHL  
 3. LPQ  
 4. PTX

Question ID : 98958013069  
Status : Answered  
Chosen Option : 3





Q.5 Select the option that is related to the fifth term in the same way as the second term is related to the first term and the fourth term is related to the third term.

6472 : 25 :: 7343 : 41 :: 6582 : ?

- Ans  1. 13  
 2. 18  
 3. 16  
 4. 14

Question ID : 98958013074  
Status : Not Answered  
Chosen Option : --


Q.6 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. 343  
 2. 1331  
 3. 2197  
 4. 731

Question ID : 98958013737  
Status : Answered  
Chosen Option : 4

Q.7 Select the set in which the numbers are related in the same way as are the numbers of the following set.

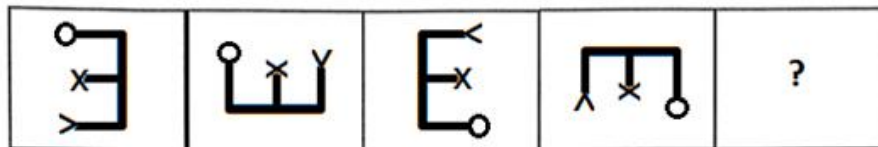
(11, 16, 20)

- Ans  1. (15, 20, 24)

- ✗ 2. (9, 14, 19)
- ✗ 3. (17, 23, 26)
- ✗ 4. (21, 26, 32)

Question ID : 98958013738  
 Status : Answered  
 Chosen Option : 1

Q.8 Select the figure that will come next in the following figure series.



Ans

- ✓ 1.
- ✗ 2.
- ✗ 3.
- ✗ 4.

Question ID : 98958013742  
 Status : Not Answered  
 Chosen Option : --

Q.9 Three of the following four words are alike in a certain way and one is different. Pick the odd word out.

- Ans
- ✗ 1. Afghanistan
  - ✗ 2. Nepal
  - ✓ 3. Ireland
  - ✗ 4. Indonesia

Question ID : 98958013727  
 Status : Answered  
 Chosen Option : 4

Q.10

Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Mnemonic : Memory

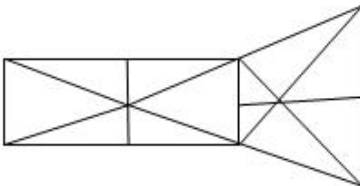
- Ans ☒ 1. Audience : Speech  
☒ 2. Audition : Music  
☒ 3. Sedative : Sleep  
☒ 4. Drama : Acting

Question ID : 98958013729

Status : Not Answered

Chosen Option : --

Q.11 How many triangles are there in the following figure?



- Ans ☒ 1. 29  
☒ 2. 31  
☒ 3. 25  
☒ 4. 27

Question ID : 98958013743

Status : Answered

Chosen Option : 3

Q.12 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.

FLQV : JISU :: DJNR : ?

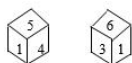
- Ans ☒ 1. HMPS  
☒ 2. HGLQ  
☒ 3. HGPQ  
☒ 4. FGQN

Question ID : 98958013724

Status : Answered

Chosen Option : 1

Q.13 Two different positions of the same dice are shown. Which number will be at the top if 3 is at the bottom?



- Ans ☒ 1. 4

- ☒ 2. 2  
☒ 3. 1  
☒ 4. 5

Question ID : 98958013744  
 Status : Not Answered  
 Chosen Option : --

**Q.14** A cycle was sold for ₹4,140 with a profit of 15%. At what price could it have been sold to earn a profit of 25%?

- Ans** ☒ 1. ₹4,200  
☒ 2. ₹4,850  
☒ 3. ₹4,500  
☒ 4. ₹4,350

Question ID : 98958013741  
 Status : Answered  
 Chosen Option : 3

**Q.15** 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:**

Some quadrilaterals are squares.

All squares are rhombuses.

**Conclusions:**

- I. No quadrilateral is a rhombus.  
 II. All rhombuses are squares.  
 III. Some quadrilaterals are rhombuses.

- Ans** ☒ 1. Only conclusion III follows  
☒ 2. Only conclusion I follows  
☒ 3. Only conclusion II follows  
☒ 4. None of the conclusions follows

Question ID : 98958013734  
 Status : Answered  
 Chosen Option : 1

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



**Ans**

✗ 1.



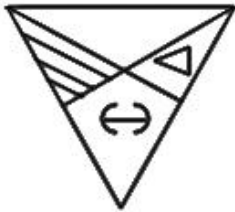
✗ 2.



✓ 3.



✗ 4.



Question ID : 98958013746

Status : Not Answered

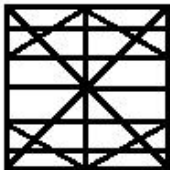
Chosen Option : --

Q.17 Select the figure in which the given figure is embedded.

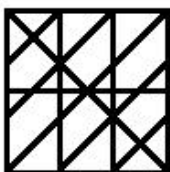


Ans

✓ 1.



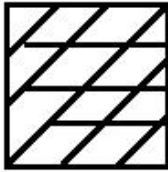
✗ 2.



✗ 3.



✗ 4.



Question ID : 98958013745

Status : Not Answered

Chosen Option : --

Q.18 Which number will replace the question mark (?) in the following series?

7, 11, 18, 29, ?, 76

Ans

✗ 1. 44

✗ 2. 61

✓ 3. 47

✗ 4. 53

Question ID : 98958013735

Status : Not Answered

Chosen Option : --

Q.19 Three of the following four word pairs are alike in a certain way and one is different. Pick the odd word out.

Ans

✗ 1. Punjab : North

✓ 2. Kerala : North-West

✗ 3. Assam : North-East

✗ 4. Tamil Nadu : South

Question ID : 98958013071

Status : Answered

Chosen Option : 2

Q.20 If the word ANGEL is coded as BOHFM, then what will be the third alphabet in the code for the word SAVAGE?

Ans

✗ 1. X

✓ 2. W

✗ 3. B

✗ 4. U

Question ID : 98958013072

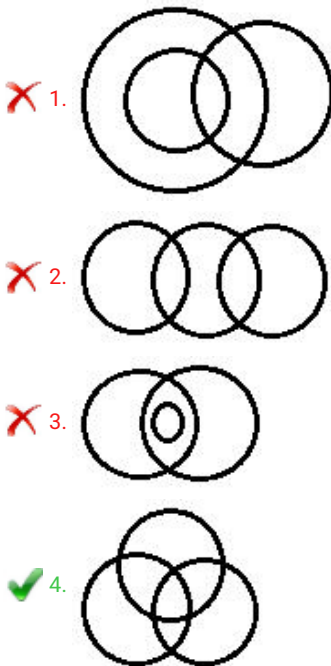
Status : Answered

Chosen Option : 2

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

Villagers, Poor Persons, Males

Ans



Question ID : 98958013748

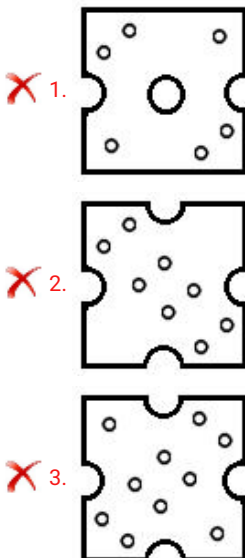
Status : Answered

Chosen Option : 2

Q.22 A square paper is folded and cut as shown below. How will it appear when unfolded?

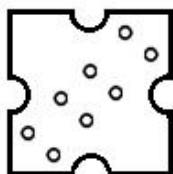


Ans





✓ 4.



Question ID : 98958013747

Status : Not Answered

Chosen Option : --

Q.23 'Judgment' is related to 'Deliver' in the same way as 'Rule' is related to '\_\_\_\_\_'.  
Ans

✗ 1. Render

✗ 2. Practice

✓ 3. Implement

✗ 4. Follow

Question ID : 98958013728

Status : Answered

Chosen Option : 3

Q.24 If

+ denotes –

– denotes \*

\* denotes /

/ denotes +

then what will be the numeric value of

$$60 * 10 / 40 + 6 - 5 =$$

Ans ✗ 1. 3

✗ 2. 144

✓ 3. 16

✗ 4. 200

Question ID : 98958013075

Status : Answered

Chosen Option : 3

Q.25 Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

cd\_ab\_cd\_abb\_dda\_b

Ans ✗ 1. bbcdb

✗ 2. dbcbe

✓ 3. dbdcb

Question ID : 98958013732  
Status : Not Answered  
Chosen Option : --

Section : General Awareness

Q.1 \_\_\_\_\_ is an important road link between Srinagar on one side and Kargil and Leh on the other side.

- Ans
-  1. Muling La
  -  2. Zoji La
  -  3. Qara Tag La
  -  4. Shipki La


Question ID : 98958014335  
Status : Not Answered  
Chosen Option : --

Q.2 Brazilian physicist and astronomer \_\_\_\_\_ was awarded the 2019 Templeton Prize, worth \$1.4 million, for his work blending science and spirituality.

- Ans
-  1. Charles Messier
  -  2. Nicolaus Copernicus
  -  3. Marcelo Gleiser
  -  4. Edwin Hubble

Question ID : 98958014346  
Status : Not Answered  
Chosen Option : --

Q.3 \_\_\_\_\_ codified the first two laws of thermodynamics and deduced that the absolute zero of temperature is  $-273.15^{\circ}\text{C}$ . He was honoured for this with the naming of the Kelvin temperature scale.

- Ans
-  1. William Crookes
  -  2. William Thomson
  -  3. Robert Hooke
  -  4. Luis Alvarez

Question ID : 98958014332  
Status : Not Answered  
Chosen Option : --

Q.4 Who was the fifth of the ten Sikh gurus?

- Ans
-  1. Guru Arjan Dev
  -  2. Guru Ramdas
  -  3. Guru Hargobind
  -  4. Guru Angad

Question ID : 98958014338  
Status : Answered  
Chosen Option : 3

Q.5 The theory that dinosaurs were driven to extinction by the aftermath of a large asteroid impact on Earth was given by \_\_\_\_\_.

- Ans
- ☒ 1. Henry Moseley
  - ☒ 2. Luis Alvarez
  - ☒ 3. William Crookes
  - ☒ 4. Wilhelm Röntgen

Question ID : 98958014329  
Status : Not Answered  
Chosen Option : --

Q.6 \_\_\_\_\_ is famous for outstanding specimen of Buddhist art and architecture, belonging to the period between the 3rd century B.C. and the 12th century A.D.

- Ans
- ☒ 1. Sanchi
  - ☒ 2. Dewas
  - ☒ 3. Satna
  - ☒ 4. Vidisha

Question ID : 98958014325  
Status : Not Answered  
Chosen Option : --

Q.7 In March 2019, a science teacher from rural Kenya named \_\_\_\_\_ won the prestigious Global Teacher Prize 2019, worth \$1 million, which honours the world's best teacher.

- Ans
- ☒ 1. Peter Tabichi
  - ☒ 2. Nancie Atwell
  - ☒ 3. Hanan Al Hroub
  - ☒ 4. Andria Zafirakou

Question ID : 98958014348  
Status : Answered  
Chosen Option : 1

Q.8 In March 2019, the Government of \_\_\_\_\_ launched the 'Lose to Win' programme to assist overweight employees shed extra kilos and adopt a healthy lifestyle.

- Ans
- ☒ 1. UAE
  - ☒ 2. UK
  - ☒ 3. Australia
  - ☒ 4. US

Question ID : 98958014347  
Status : Answered  
Chosen Option : 1

Q.9 'Shifting cultivation' is also known as \_\_\_\_\_ in north-east India.

- Ans
- ☒ 1. Logan
  - ☒ 2. Chena
  - ☒ 3. Jhum
  - ☒ 4. Ladang

Question ID : 98958014334  
Status : Not Answered  
Chosen Option : --

Q.10 Asian Games, also known as Asiad, is a multi-sport event held every \_\_\_\_ years among athletes from all over Asia.

- Ans
- ☒ 1. five
  - ☒ 2. three
  - ☒ 3. four
  - ☒ 4. six

Question ID : 98958014344  
Status : Answered  
Chosen Option : 3

Q.11 Flying Officer \_\_\_\_ of the Indian Air Force (IAF) created history by becoming the first Indian woman to fly her first solo fighter flight in a Russian made MiG-21 fighter.

- Ans
- ☒ 1. Avani Chaturvedi
  - ☒ 2. Bhawana Kanth
  - ☒ 3. Anjali Gupta
  - ☒ 4. Mohana Singh

Question ID : 98958014340  
Status : Answered  
Chosen Option : 1

Q.12 The Qutub Minar was named after the Sufi saint \_\_\_\_\_.

- Ans
- ☒ 1. Alauddin Sabir Kaliyari
  - ☒ 2. Qutub-ud-Din Aibak
  - ☒ 3. Syed Waheed Ashraf
  - ☒ 4. Khwaja Qutbuddin Bakhtiyar Kaki

Question ID : 98958014324  
Status : Not Answered  
Chosen Option : --

Q.13 \_\_\_\_ won gold in the Men's freestyle wrestling 65 kg category at the Dan Kolov 2019 wrestling event.

- Ans
- ☒ 1. Sandeep Tomar
  - ☒ 2. Sushil Kumar
  - ☒ 3. Yogeshwar Dutt
  - ☒ 4. Bajrang Punia

Question ID : 98958014345  
Status : Answered  
Chosen Option : 4

Q.14 \_\_\_\_ built the world famous Harmandir Sahib, popularly known as the Golden Temple in Amritsar.

- Ans
- ☒ 1. Guru Angad Dev
  - ☒ 2. Guru Siri Har Rai
  - ☒ 3. Guru Ram Das
  - ☒ 4. Guru Arjan Dev

Question ID : 98958014336  
Status : Answered  
Chosen Option : 3

Q.15 Who invented the atomic battery in 1912?

- Ans
- ☒ 1. Henry Moseley
  - ☒ 2. Alessandro Volta
  - ☒ 3. Benjamin Franklin
  - ☒ 4. Louis Pasteur

Question ID : 98958014330  
Status : Answered  
Chosen Option : 4

Q.16 \_\_\_\_\_ was the first person to isolate methane gas. He discovered that methane mixed with air could be exploded using an electric spark.

- Ans
- ☒ 1. William Crookes
  - ☒ 2. Louis Pasteur
  - ☒ 3. William Thomson
  - ☒ 4. Alessandro Volta

Question ID : 98958014331  
Status : Not Answered  
Chosen Option : --

Q.17 In March 2018, Indian actress \_\_\_\_ was named as the new ambassador of the international award-winning non-profit organisation, Educate Girls.

- Ans
- ☒ 1. Deepika Padukone
  - ☒ 2. Priyanka Chopra
  - ☒ 3. Aishwarya Rai
  - ☒ 4. Katrina Kaif

Question ID : 98958014341  
Status : Answered  
Chosen Option : 2

Q.18 During whose reign did the Chinese traveller Hiuen Tsang visit India?

- Ans
- ☒ 1. Harshavardhana
  - ☒ 2. Chandragupta I
  - ☒ 3. Samudragupta
  - ☒ 4. Chandragupta Vikramaditya

Question ID : 98958014337  
Status : Not Answered

Chosen Option : --

Q.19 What does the Lorenz Curve indicate?

- Ans
- ☒ 1. Rate of employment
  - ☒ 2. Income distribution
  - ☒ 3. Relationship between the price of a certain commodity and its demand
  - ☒ 4. Taxable income elasticity

Question ID : 98958014327

Status : Not Answered

Chosen Option : --

Q.20 Who decides on the issue related to the disqualification of a Member of Lok Sabha under Tenth Schedule?

- Ans
- ☒ 1. Speaker
  - ☒ 2. Vice President
  - ☒ 3. President
  - ☒ 4. Prime Minister

Question ID : 98958014342

Status : Answered

Chosen Option : 1

Q.21 The Almatti dam project on the Krishna river was an issue between which states?

- Ans
- ☒ 1. Karnataka and Goa
  - ☒ 2. Karnataka and Andhra Pradesh
  - ☒ 3. Andhra Pradesh and Tamil Nadu
  - ☒ 4. Karnataka and Tamil Nadu

Question ID : 98958014333

Status : Answered

Chosen Option : 3

Q.22 The deficiency of which nutrient causes night blindness ?

- Ans
- ☒ 1. Vitamin A
  - ☒ 2. Proteins
  - ☒ 3. Vitamin K
  - ☒ 4. Vitamin C

Question ID : 98958014328

Status : Answered

Chosen Option : 1

Q.23 The Suri king \_\_\_\_\_ was defeated by Humayun to regain his kingdom.

- Ans
- ☒ 1. Bahalol Suri
  - ☒ 2. Sher Shah Suri
  - ☒ 3. Sikandar Suri
  - ☒ 4. Mahmood Suri

Question ID : 98958014339  
Status : Not Answered  
Chosen Option : --

Q.24 The maximum number of nominated members to Lok Sabha is \_\_\_\_.

- Ans ☒ 1. 2  
☐ 2. 1  
☐ 3. 3  
☐ 4. 4

Question ID : 98958014343  
Status : Answered  
Chosen Option : 3

Q.25 The base financial year for the calculation of the all India Index of Industrial Production (IIP) is:

- Ans ☐ 1. 2010-2011  
☐ 2. 2004-2005  
☒ 3. 2011-2012  
☐ 4. 2005-2006

Question ID : 98958014326  
Status : Not Answered  
Chosen Option : --

Section : Quantitative Aptitude

Q.1 If  $\frac{\tan \theta}{1 - \cot \theta} + \frac{\cot \theta}{1 - \tan \theta} = 1 + k$ , then  $k =$  \_\_\_\_\_.

- Ans ☐ 1.  $\tan \theta + \sec \theta$   
☒ 2.  $\operatorname{cosec} \theta \sec \theta$   
☐ 3.  $\tan \theta \operatorname{cosec} \theta$   
☐ 4.  $\cot \theta + \sec \theta$

Question ID : 98958013343  
Status : Answered  
Chosen Option : 4

Q.2 A person sells an article at a profit of 12%. If he had purchased it for 12% less and sold it for ₹9 less, he would have gained 27%. What is the original cost price of the article?

- Ans ☐ 1. ₹4,000  
☐ 2. ₹4,250  
☐ 3. ₹4,500  
☒ 4. ₹3,750

Question ID : 98958013329  
Status : Not Answered  
Chosen Option : --

**Q.3** Surbhi spends 75% of her income. If her income increases by 20% and savings decrease by 1%, then the percentage increase in her expenditure is:

- Ans
- ☒ 1. 2.2
  - ☒ 2. 2.7
  - ☒ 3. 27
  - ☒ 4. 22

Question ID : 98958013328

Status : Answered

Chosen Option : 3

**Q.4** If  $(8x^3 + 27y^3) \div (2x + 3y) = (Ax^2 + Bxy + Cy^2)$ , then the value of  $(5A + 4B + 3C)$  is:

- Ans
- ☒ 1. 24
  - ☒ 2. 23
  - ☒ 3. 27
  - ☒ 4. 26

Question ID : 98958013335

Status : Not Answered

Chosen Option : --

**Q.5** In  $\triangle ABC$ ,  $AM \perp BC$  and  $AN$  is the bisector of  $\angle A$ . What is the measure of  $\angle MAN$ , if  $\angle B = 55^\circ$  and  $\angle C = 35^\circ$ ?

- Ans
- ☒ 1.  $15^\circ$
  - ☒ 2.  $10^\circ$
  - ☒ 3.  $12^\circ$
  - ☒ 4.  $5^\circ$

Question ID : 98958013340

Status : Not Answered

Chosen Option : --

**Q.6** The base and altitude of an isosceles triangle are 10 cm and 12 cm respectively. Then the length of each equal side is:

- Ans
- ☒ 1. 13 cm
  - ☒ 2. 10 cm
  - ☒ 3. 7.5 cm
  - ☒ 4. 8.5 cm

Question ID : 98958013193

Status : Not Answered

Chosen Option : --

**Q.7** In a circle with centre O, PQR is a tangent at the point Q on it. AB is a chord in the circle parallel to the tangent such that  $\angle BQR = 70^\circ$ . What is the measure of  $\angle AQB$ ?

- Ans
- ☒ 1.  $35^\circ$
  - ☒ 2.  $60^\circ$
  - ☒ 3.  $55^\circ$
  - ☒ 4.  $40^\circ$



Question ID : 98958013339

Status : Not Answered

Chosen Option : --

Q.8 What is the compound interest on a sum of ₹8,100 for  $1\frac{1}{4}$  years at 8% per annum, if the interest is compounded 5-monthly? (Nearest to ₹1)

- Ans
- ☒ 1. ₹842
  - ☒ 2. ₹837
  - ☒ 3. ₹873
  - ☒ 4. ₹824

Question ID : 98958013331

Status : Not Answered

Chosen Option : --

Q.9 Four different positive numbers are written in ascending order. One-third of the average of all the four numbers is 19 less than the greatest of these numbers. If the average of the first three numbers is 12, the greatest number among the given numbers is:

- Ans
- ☒ 1. 21
  - ☒ 2. 25
  - ☒ 3. 24
  - ☒ 4. 22

Question ID : 98958013326

Status : Not Answered

Chosen Option : --

Q.10 By how much above the cost price should an article be marked up for sale so that after allowing two successive discounts of 20% and 6.25% on it, a net gain of 20% is made on the cost?

- Ans
- ☒ 1. 50%
  - ☒ 2.  $66\frac{2}{3}\%$
  - ☒ 3. 60%
  - ☒ 4.  $46\frac{1}{4}\%$

Question ID : 98958013327

Status : Not Answered

Chosen Option : --

Q.11 The value of  $\sin^2 30^\circ \cos^2 45^\circ + 4 \tan^2 30^\circ + \frac{1}{2} \sin^2 90^\circ + 2 \cos 90^\circ$  is:

- Ans
- ☒ 1. 2
  - ☒ 2.  $\frac{47}{24}$
  - ☒ 3.  $\frac{15}{8}$
  - ☒ 4.  $\frac{23}{12}$

Question ID : 98958013344

Status : **Not Answered**  
Chosen Option : --

**Q.12** If  $\frac{1}{\operatorname{cosec} \theta - 1} + \frac{1}{\operatorname{cosec} \theta + 1} = 2 \sec \theta$ ,  $0^\circ < \theta < 90^\circ$ , then the value of  $(\cot \theta + \cos \theta)$  is:

Ans

☒ 1.  $\frac{2+\sqrt{3}}{\sqrt{2}}$

☒ 2.  $\frac{1+\sqrt{2}}{2}$

☒ 3.  $1 + \sqrt{2}$

☒ 4.  $\frac{2+\sqrt{2}}{2}$

Question ID : **98958013342**  
Status : **Not Answered**  
Chosen Option : --

**Q.13** The table shows the production of different types of cars (in thousands).

Car \ Year	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

What is the ratio of the total production of type A cars in 2017 and type C cars in 2014 taken together to the total production of type B cars in 2014, type C cars in 2017 and type E cars in 2018 taken together?

Ans

☒ 1. 12 : 11

☒ 2. 3 : 4

☒ 3. 2 : 3

☒ 4. 5 : 6

Question ID : **98958013345**  
Status : **Answered**  
Chosen Option : 2

**Q.14** A sum of ₹x is divided among A, B and C such that the ratio of shares of A and B is 7 : 12 and that of B and C is 8 : 5. If the difference in the shares of A and C is ₹214, then the value of x is:

Ans

☒ 1. 11,770

☒ 2. 11,128

☒ 3. 11,556

☒ 4. 11,342

Question ID : **98958013330**  
Status : **Answered**  
Chosen Option : 1

**Q.15** The ratio of the efficiencies of A, B and C is 3 : 5 : 1. Working together, they can complete a piece of work in 5 days. A and B work together for 3 days. The remaining work will be completed by C alone in?

Ans

☒ 1. 21 days

☒ 2. 18 days

☒ 3. 15 days

☒ 4. 24 days

Question ID : 98958013332

Status : **Not Answered**

Chosen Option : --

Q.16 If 10-digit number 67127y76x2 is divisible by 88, then the value of  $(7x - 2y)$  is:

Ans ☒ 1. 3

☒ 2. 10

☒ 3. 5

☒ 4. 7

Question ID : 98958013324

Status : **Not Answered**

Chosen Option : --

Q.17 A journey of 96 km takes one hour less by a fast train (A) than by a slow train (B). If the average speed of B is 16 km/h less than that of A, then the average speed (in km/h) of A is:

Ans ☒ 1. 64

☒ 2. 60

☒ 3. 54

☒ 4. 48

Question ID : 98958013333

Status : **Not Answered**

Chosen Option : --

Q.18 If  $\frac{6x}{(2x^2+5x-2)} = 1, x > 0$ , then the value of  $x^3 + \frac{1}{x^3}$  is:

Ans ☒ 1.  $\frac{3}{4}\sqrt{17}$

☒ 2.  $\frac{5\sqrt{17}}{16}$

☒ 3.  $\frac{5\sqrt{17}}{8}$

☒ 4.  $\frac{3}{8}\sqrt{17}$

Question ID : 98958013336

Status : **Not Answered**

Chosen Option : --

Q.19 A cylindrical road roller made of metal is one meter long. Its inner radius is 27 cm and the thickness of the metal sheet rolled into it is 9 cm. What is the weight of the roller, if 1 cm<sup>3</sup> of the metal weighs 8 g?

Ans ☒ 1.  $442.4 \pi$  kg

☒ 2.  $441 \pi$  kg

☒ 3.  $449 \pi$  kg

✓ 4.  $453.6 \pi \text{ kg}$

Question ID : 98958013334

Status : Not Answered

Chosen Option : --

Q.20  $\left( \frac{2 \tan 30^\circ}{1 - \tan^2 30^\circ} \right) =$

Ans ✗ 1. 3

✗ 2.  $\frac{1}{\sqrt{3}}$

✓ 3.  $\sqrt{3}$

✗ 4.  $\frac{1}{3}$

Question ID : 98958013194

Status : Not Answered

Chosen Option : --

Q.21 The table shows the production of different types of cars (in thousands).

Car \ Year	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

If the data related to the production of type D cars is represented by a pie-chart, then the central angle of the sector representing the production of cars in 2017 will be:

Ans ✗ 1.  $81.6^\circ$

✗ 2.  $50^\circ$

✗ 3.  $75.6^\circ$

✓ 4.  $78^\circ$

Question ID : 98958013346

Status : Not Answered

Chosen Option : --

Q.22 The table shows the production of different types of cars (in thousands).

Car \ Year	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

The average production of cars in 2018 is approximately what percent less than the total production of type D cars in 2015 and type B cars in 2017 taken together?

Ans ✗ 1. 44.2%

✗ 2. 43.6%

✗ 3. 42.4%





✓ 4. 45.8%

Question ID : 98958013347

Status : Not Answered

Chosen Option : --

**Q.23** Two chords AB and CD of lengths 5 cm and 11 cm respectively are parallel and are on the same side of the centre O of a circle. If the distance between the chords is 3 cm, then what is the diameter of the circle?

- Ans  1.  $\sqrt{146}$  cm  
 2. 37 cm  
 3. 38 cm  
 4.  $\sqrt{142}$  cm

Question ID : 98958013338

Status : Not Answered

Chosen Option : --

**Q.24** The value of  $6 - 6 \div 6 \times 6 + (6 \div 6 \text{ of } 6) \times 6 - \left(3\frac{2}{3} \div \frac{11}{30} \text{ of } \frac{2}{3}\right) \div 5$  is:

- Ans  1. -2  
 2. 2  
 3. 0  
 4. -1

Question ID : 98958013325

Status : Not Answered

Chosen Option : --

**Q.25** The table shows the production of different types of cars (in thousands).

Car \ Year	2014	2015	2016	2017	2018
A	42	53	44	66	65
B	46	49	57	64	72
C	54	45	45	50	56
D	48	56	63	65	68
E	46	48	56	57	64

The total production of type A cars in 2016 and type E cars in 2014 taken together is what percent of the total production of type C cars during 2014 to 2018?

- Ans  1. 35  
 2. 36  
 3. 40  
 4. 32

Question ID : 98958013348

Status : Not Answered




Chosen Option : --


## Section : English Comprehension

Q.1

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

If so many catches had not being dropped, we would have won the match.

- Ans  1. won the match  
 2. had not being dropped  
 3. we would have

 4. If so many catches

Question ID : 98958012617  
Status : Answered  
Chosen Option : 1

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





TRANSIENT

- Ans  1. temporal  
 2. celestial  
 3. stationary  
 4. permanent

Question ID : 98958012633  
Status : Not Answered  
Chosen Option : --

Q.3 Select one word substitution for the given words.





To give up the throne

- Ans  1. abdicate  
 2. bequeath  
 3. usurp  
 4. consign

Question ID : 98958012637  
Status : Answered  
Chosen Option : 4

Q.4 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.





We must endeavour to increase women's access for education also employment.

- Ans  1. access to education and employment  
 2. access in education also employment  
 3. excess to education or employment  
 4. No improvement

Question ID : 98958012620  
Status : Answered  
Chosen Option : 2

Q.5 Select one word substitution for the given words.

A trade that is prohibited by law

- Ans  1. illicit  
 2. inapt  
 3. incredible  
 4. illusive

Question ID : 98958012636

Status : **Answered**  
Chosen Option : 2

Q.6 Select the most appropriate synonym of the given word.

FURY

- Ans  1. fright  
 2. sorrow  
 3. anger  
 4. cruelty

Question ID : 98958012630  
Status : **Not Answered**  
Chosen Option : --

Q.7 Fill in the blank with the most appropriate word.

The committee members were in \_\_\_\_\_ over the budget for the function.

- Ans  1. difference  
 2. deference  
 3. dissent  
 4. descent

Question ID : 98958012641  
Status : **Not Answered**  
Chosen Option : --

Q.8 Select the most appropriate antonym of the given word.





LIBERTY

- Ans  1. freedom  
 2. autonomy  
 3. reservation  
 4. slavery

Question ID : 98958012632  
Status : **Not Answered**  
Chosen Option : --

Q.9 Given below are four jumbled sentences. Select the option that gives their correct order.



- A. What can we do to avoid anger and provocation?  
B. Anger and tension are prevalent due to conflicts arising out of these differences.  
C. The society is full of people who think and act differently.  
D. We need to develop in ourselves the capacity for conversion to turn negative experiences into positive thinking.

- Ans  1. ABDC  
 2. ACBD  
 3. CADB  
 4. CBAD

Question ID : 98958012629  
Status : **Not Answered**

Q.10 Select the most appropriate synonym of the given word.

RETICENT

- Ans  1. extrovert  
 2. garrulous  
 3. confident  
 4. silent





Question ID : 98958012631

Status : Not Answered

Chosen Option : --

Q.11 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select No improvement.

Let us not neglect important aspects of life although pursue momentary pleasures.

- Ans  1. while pursuing momentary pleasures.  
 2. through pursued in momentary pleasures.  
 3. No improvement  
 4. by pursued moment pleasures.

Question ID : 98958012621

Status : Not Answered

Chosen Option : --

Q.12 Fill in the blank with the most appropriate word.

The old man wished to donate his \_\_\_\_\_ wealth for the upliftment of the downtrodden.

- Ans  1. elusive  
 2. immense  
 3. intense  
 4. eminent

Question ID : 98958012640

Status : Not Answered

Chosen Option : --

Q.13 Given below are four jumbled sentences. Select the option that gives their correct order.

- A. Only the fittest creatures can survive while competing for food.  
 B. Why do some species survive and others become extinct?  
 C. His answer was that there is ceaseless struggle for life among all creatures.  
 D. This was the question that Darwin asked himself.

- Ans  1. ABDC  
 2. BDCA  
 3. BCDA  
 4. ADCB

Question ID : 98958012628

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.

There was still a light on in Mo's room. He often stayed (1)\_\_\_\_\_ reading late into the night. Meggie had (2)\_\_\_\_\_ her love of books from him. When she (3)\_\_\_\_\_ refuge with him from a bad dream, nothing could lull (4)\_\_\_\_\_ back to sleep better than Mo's calm breathing (5)\_\_\_\_\_ her and the sound of the pages turning.

**SubQuestion No : 14**

**Q.14** Select the most appropriate option to fill in blank No.1.

- Ans
- ☒ 1. away
  - ☒ 2. up
  - ☒ 3. out
  - ☒ 4. for

Question ID : 98958012623

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.

There was still a light on in Mo's room. He often stayed (1)\_\_\_\_\_ reading late into the night. Meggie had (2)\_\_\_\_\_ her love of books from him. When she (3)\_\_\_\_\_ refuge with him from a bad dream, nothing could lull (4)\_\_\_\_\_ back to sleep better than Mo's calm breathing (5)\_\_\_\_\_ her and the sound of the pages turning.

**SubQuestion No : 15**

**Q.15** Select the most appropriate option to fill in blank No.2.

- Ans
- ☒ 1. procured
  - ☒ 2. extracted
  - ☒ 3. gained
  - ☒ 4. inherited

Question ID : 98958012624

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.

There was still a light on in Mo's room. He often stayed (1)\_\_\_\_\_ reading late into the night. Meggie had (2)\_\_\_\_\_ her love of books from him. When she (3)\_\_\_\_\_ refuge with him from a bad dream, nothing could lull (4)\_\_\_\_\_ back to sleep better than Mo's calm breathing (5)\_\_\_\_\_ her and the sound of the pages turning.

**SubQuestion No : 16**

**Q.16** Select the most appropriate option to fill in blank No.3

- Ans
- ☒ 1. takes
  - ☒ 2. will take
  - ☒ 3. has taken
  - ☒ 4. took

Question ID : 98958012625

**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.

There was still a light on in Mo's room. He often stayed (1)\_\_\_\_\_ reading late into the night. Meggie had (2)\_\_\_\_\_ her love of books from him. When she (3)\_\_\_\_\_ refuge with him from a bad dream, nothing could lull (4)\_\_\_\_\_ back to sleep better than Mo's calm breathing (5)\_\_\_\_\_ her and the sound of the pages turning.

**SubQuestion No : 17**

**Q.17 Select the most appropriate option to fill in blank No.4**

- Ans  1. her  
 2. it  
 3. them  
 4. his

Question ID : **98958012626**  
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.

There was still a light on in Mo's room. He often stayed (1)\_\_\_\_\_ reading late into the night. Meggie had (2)\_\_\_\_\_ her love of books from him. When she (3)\_\_\_\_\_ refuge with him from a bad dream, nothing could lull (4)\_\_\_\_\_ back to sleep better than Mo's calm breathing (5)\_\_\_\_\_ her and the sound of the pages turning.

**SubQuestion No : 18**

**Q.18 Select the most appropriate option to fill in blank No.5.**

- Ans  1. against  
 2. behind  
 3. beside  
 4. around

Question ID : **98958012627**  
Status : **Not Answered**  
Chosen Option : --

**Q.19 Select the most appropriate meaning of the underlined idiom in the given sentence.**

He kicked up a row when he was denied entry to the amusement park.

- Ans  1. cried with sorrow  
 2. created a fuss  
 3. waited in a queue  
 4. kicked the guard

Question ID : **98958012634**  
Status : **Not Answered**  
Chosen Option : --

**Q.20 In the sentence identify the segment which contains the grammatical error.**

Each of the girls have given an impressive dance performance.

- Ans
- ☒ 1. have given
  - ☐ 2. dance performance
  - ☐ 3. an impressive
  - ☐ 4. Each of the girls

Question ID : 98958012616  
Status : Not Answered  
Chosen Option : --

Q.21 Select the correctly spelt word.

- Ans
- ☐ 1. corrigible
  - ☒ 2. contemptible
  - ☐ 3. concious
  - ☐ 4. complascent

Question ID : 98958012639  
Status : Not Answered  
Chosen Option : --

Q.22 Select the correctly spelt word.

- Ans
- ☐ 1. apearence
  - ☐ 2. arrogance
  - ☒ 3. abundance
  - ☐ 4. attendance

Question ID : 98958012638  
Status : Not Answered  
Chosen Option : --

Q.23 Select the correct active form of the given sentence.

The hunchback was being laughed at by everyone.

- Ans
- ☐ 1. Everyone laughed at the hunchback.
  - ☐ 2. Everyone laughs at the hunchback.
  - ☒ 3. Everyone was laughing at the hunchback.
  - ☐ 4. Everyone is laughing at the hunchback.

Question ID : 98958012619  
Status : Not Answered  
Chosen Option : --

Q.24 Select the correct passive form of the given sentence.

Some people believe that discipline means blind submission to authority.

- Ans
- ☐ 1. It was believed by some people that discipline meant blind submission to authority.
  - ☐ 2. It has been believed by some people that discipline means blind submission to authority.
  - ☐ 3. It is belief by some people that discipline means blind submission to authority.
  - ☒ 4. It is believed by some people that discipline means blind submission to authority.

Question ID : 98958012618

Status : **Not Answered**

Chosen Option : --

Q.25 Select the most appropriate meaning of the underlined idiom in the given sentence.

The heavy losses in business came like a bolt from the blue.

Ans



1. a thunderstorm



2. an ominous warning



3. an unexpected disaster



4. a windfall

Question ID : 98958012635

Status : **Not Answered**

Chosen Option : --