Combined Graduate Level Examination-2019 (Tier-I)

| Roll Number	
Candidate Name	
Venue Name	
Exam Date	07/03/2020
Exam Time	4:00 PM - 5:00 PM
Subject	CGLE Tier I

Section : **General Intelligence and Reasoning**

Q.1 चार शब्द दिए गए हैं, जिनमें से तीन किसी न किसी तरह समान हैं और एक असमान है। उस असमान शब्द का चयन करें।

Ans
✗ 1. गाजर
✗ 2. आलू
✗ 3. मूली
✓ 4. पालक

Question ID : **816161733**
Status : **Answered**
Chosen Option : **4**

Q.2 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
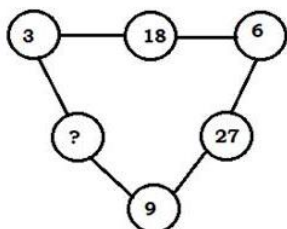
Ans
✓ 1. 54
✗ 2. 38
✗ 3. 29
✗ 4. 18

Question ID : **816161744**
Status : **Answered**
Chosen Option : **4**

Q.3 Which two signs should be interchanged to make the given equation correct?

$121 \div 11 + 54 - 9 \times 3 = 128$

Ans

✗ 1. $+$ and $-$

✗ 2. $+$ and $\times$

✗ 3. $\times$ and $\div$

✔ 4. $\div$ and $-$

Question ID : **816161746**
Status : **Answered**
Chosen Option : **4**

Q.4 Select the letter that can replace the question mark (?) in the following series.

A, D, ? , P, Y

Ans
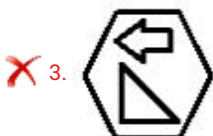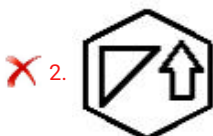
✗ 1. G

✗ 2. H

✔ 3. I

✗ 4. J

Question ID : **816161730**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the figure that can replace the question mark (?) in the following series.

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **816161748**
Status : **Answered**
Chosen Option : **4**

Q.6 Four number-pairs have been given, out of which three are alike in some manner and one is different. Select the number-pair that is different from the rest.

Ans

✗ 1. 19-114

✗ 2. 17-102

✔ 3. 28-164

✗ 4. 12-72

Question ID : **816161743**
Status : **Answered**
Chosen Option : **3**

Q.7 'Bangladesh' is related to 'Dhaka' in the same way as 'Pakistan' is related to '_____'.

Ans

✗ 1. Karachi

✗ 2. Multan

✗ 3. Lahore

✔ 4. Islamabad

Question ID : **816161734**
Status : **Answered**
Chosen Option : **4**

Q.8 Hemant buys a dozen eggs for ₹5.50 per egg. While carrying them, two eggs get wasted when they fall down and get damaged. He sells the balance eggs at ₹7.70 per egg. Find the net profit earned by him in the overall deal.

Ans
- ✗ 1. ₹15.00
- ✗ 2. ₹15.40
- ✔ 3. ₹11.00
- ✗ 4. ₹10.70

Question ID : **816161747**
Status : **Answered**
Chosen Option : **3**

Q.9 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

7	3	11
4	9	23
11	7	?

Ans
- ✔ 1. 59
- ✗ 2. 71
- ✗ 3. 77
- ✗ 4. 63

Question ID : **816161745**
Status : **Answered**
Chosen Option : **3**

Q.10 A + B means 'B is the daughter of B';

A − B means 'B is the sister of A';

A × B means 'B is the husband of A';

A ÷ B means 'A is the father of B'.

If, P ÷ R × T + Q − S × U + Z, then how is R related to Z?

Ans
- ✗ 1. Paternal grandfather
- ✗ 2. Maternal grandfather
- ✗ 3. Paternal grandmother
- ✔ 4. Maternal grandmother

Question ID : **816161739**
Status : **Answered**
Chosen Option : **2**

Q.11 Select the correct mirror image of the given figure when a mirror is placed on the right of the figure.
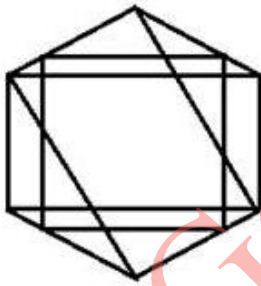

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.

Question ID : **816161752**
Status : **Answered**
Chosen Option : **4**

Q.12 How many triangles are there in the given figure?

Ans ✗ 1. 21

✔ 2. 29

✗ 3. 19

✗ 4. 31

Question ID : **816161749**
Status : **Answered**
Chosen Option : **2**

Q.13 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the one showing '%'.

Ans

✗ 1. =

✗ 2. @

✔ 3. +

✗ 4. *

Question ID : **816161750**
Status : **Answered**
Chosen Option : **3**

Q.14 Select the option that is related to the third number in the same way as the second number is related to the first number.

3 : 20 :: 7 : ?

Ans

✗ 1. 96

✗ 2. 105

✗ 3. 98

✔ 4. 100

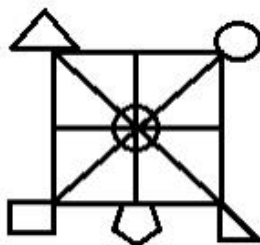Question ID : **816161742**
Status : **Answered**
Chosen Option : **1**

Q.15 Select the option in which the given figure is NOT embedded (rotation is not allowed).
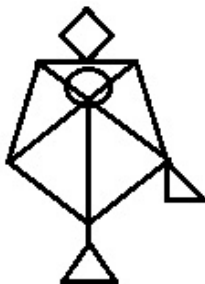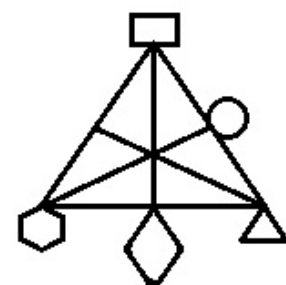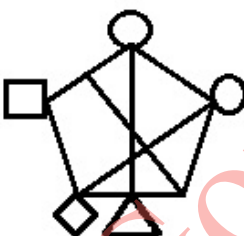
Ans

✔ 1.

✘ 2.

✘ 3.

✘ 4.

Question ID : **816161751**
Status : **Answered**
Chosen Option : **4**

Q.16 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

Ans
✘ 1. ABDGK
✔ 2. GHJMP
✘ 3. NOQTX
✘ 4. BCEHL

Question ID : **816161732**
Status : **Answered**
Chosen Option : **2**

Q.17 In the given Venn diagram, the 'rectangle' represents 'ladies of a club', the 'triangle' represents 'like to dance', the 'circle' represents 'like to sing' and the 'pentagon' represents 'like to mimic'. The numbers given in the diagram represent the number of persons in that particular category.
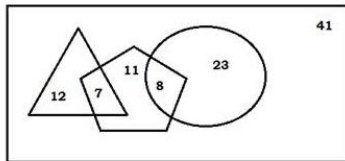
How many ladies of the club NEITHER like to dance NOR like to mimic?

Ans
✗ 1. 72
✔ 2. 64
✗ 3. 26
✗ 4. 23

Question ID : **816161754**
Status : **Answered**
Chosen Option : **4**

Q.18 Select the letter-cluster that can replace the question mark (?) in the following series.

ABDE, FGIJ, ? , PQST, UVXY

Ans
✗ 1. KLMN
✗ 2. KLNP
✗ 3. KLMO
✔ 4. KLNO

Question ID : **816161738**
Status : **Answered**
Chosen Option : **4**

Q.19 Arrange the following words in a logical and meaningful order.

1. Acre

2. Square Yard

3. Square Inch

4. Hectare

5. Square Feet

Ans
✗ 1. 3-5-1-2-4
✗ 2. 3-5-2-4-1
✗ 3. 3-5-1-4-2
✔ 4. 3-5-2-1-4

Question ID : **816161731**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the number that can replace the question mark (?) in the following series.

1, 5, 9, ? , 21

Ans

✗ 1. 11

✓ 2. 15

✗ 3. 20

✗ 4. 19

> Question ID : **816161741**
> Status : **Answered**
> Chosen Option : **2**

Q.21 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

1. All laptops are computers.

2. Some tablets are laptops.

Conclusions:

I. All tablets are computers.

II. Some tablets are computers.

III. Some computers are laptops.

Ans

✓ 1. Only conclusions II and III follow.

✗ 2. All conclusions I, II and III follow.

✗ 3. Only conclusion II follows.

✗ 4. Only conclusion III follows.

> Question ID : **816161740**
> Status : **Answered**
> Chosen Option : **1**

Q.22 In a certain code language, 'FIGURE' is written as 'DJEVPE'. How will 'DECODE' be written as in that language?

Ans

✓ 1. BFAPBF

✗ 2. BFDNBF

✗ 3. BDDNBD

✗ 4. BDANBD

> Question ID : **816161736**
> Status : **Answered**
> Chosen Option : **1**

Q.23 Select the option that depicts how the given transparent sheet of paper would appear if it is folded at the dotted line.

Ans

✗ 1.

✔ 2.

✗ 3.

✗ 4.
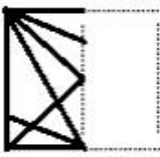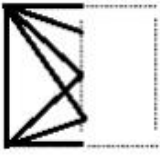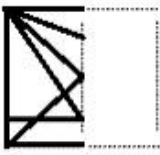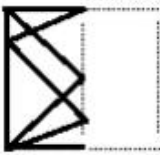
Question ID : 816161753
Status : **Answered**
Chosen Option : **4**

Q.24 In a certain code language, 'LAMP' is coded as '2422632'. How will 'FORK' be coded as in that language?

Ans
✗ 1. 12303422
✗ 2. 12302624
✔ 3. 12303622
✗ 4. 12303424

Question ID : 816161737
Status : **Answered**
Chosen Option : **3**

Q.25 उस विकल्प का चयन करें, जिसमें शब्दों का आपस में वही संबंध है, जो संबंध नीचे दिए गए शब्द-युग्म के शब्दों के बीच है।

घोड़ा : हिनहिनाना

Ans

✔ 1. ऊँट : घुरघुराना

✘ 2. गधा : मुंह दबाकर हंसना

✘ 3. हाथी : रिरियाना

✘ 4. भालू : दहाड़ना

Question ID : **816161735**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 The Mission of the Ramsar Convention is to conserve _____.

Ans

✔ 1. wetlands

✘ 2. deserts

✘ 3. oceans

✘ 4. rivers

Question ID : **816161766**
Status : **Answered**
Chosen Option : **1**

Q.2 The Swaraj Party was founded by:

Ans

✘ 1. Bhimrao Ambedkar and Sardar Vallabhbhai Patel

✔ 2. Motilal Nehru and Chittaranjan Das

✘ 3. Sukhdev and Rajguru

✘ 4. Aruna Asaf Ali and Subhash Chandra Bose

Question ID : **816161770**
Status : **Answered**
Chosen Option : **2**

Q.3 Which of the following states does NOT share its boundary with Madhya Pradesh?

Ans

✘ 1. Rajasthan

✘ 2. Gujarat

✘ 3. Uttar Pradesh

✔ 4. Odisha

Question ID : **816161764**
Status : **Answered**
Chosen Option : **4**

Q.4 Name the densest stable element known on earth.

Ans   ✗ 1. Tungsten

    ✔ 2. Osmium

    ✗ 3. Aluminium

    ✗ 4. Rhodium

Question ID : **816161763**
Status : **Answered**
Chosen Option : **3**

Q.5 How many carbon and hydrogen atoms are there in Propane, respectively?

Ans   ✔ 1. 3, 8

    ✗ 2. 4, 7

    ✗ 3. 2, 6

    ✗ 4. 2, 4

Question ID : **816161762**
Status : **Answered**
Chosen Option : **3**

Q.6 What is the bond angle (in degrees) in the structure of a benzene molecule?

Ans   ✗ 1. 150

    ✔ 2. 120

    ✗ 3. 60

    ✗ 4. 90

Question ID : **816161761**
Status : **Answered**
Chosen Option : **2**

Q.7 What does 'A' stand for in 'UDAN', the initiative of the Civil Aviation Ministry?

Ans   ✗ 1. Aviation

    ✔ 2. Aam

    ✗ 3. Air

    ✗ 4. Aastha

Question ID : **816161777**
Status : **Answered**
Chosen Option : **2**

Q.8 Which of the following animals does NOT find a place in the National Emblem of India?

Ans   ✗ 1. Lion

   ✗ 2. Horse

   ✗ 3. Bull

   ✔ 4. Camel

Question ID : **816161755**
Status : **Answered**
Chosen Option : **4**

Q.9 Which team won the Federation Cup Football Tournament for the most number of times?

Ans   ✗ 1. Salgaocar SC

   ✗ 2. East Bengal FC

   ✗ 3. Bengaluru FC

   ✔ 4. Mohun Bagan AC

Question ID : **816161776**
Status : **Answered**
Chosen Option : **4**

Q.10 What is the velocity of sound in air?

Ans   ✔ 1. 343 m/sec

   ✗ 2. 220 m/sec

   ✗ 3. 232 m/sec

   ✗ 4. 110 m/sec

Question ID : **816161760**
Status : **Answered**
Chosen Option : **1**

Q.11 In 2018, who among the following came to the limelight by building a people's road through crowd funding that helped in connecting remote villages of Manipur?

Ans   ✗ 1. Mary Kom

   ✗ 2. Irom Sharmila

   ✔ 3. Armstrong Pame

   ✗ 4. Dingo Singh

Question ID : **816161772**
Status : **Answered**
Chosen Option : **2**

Q.12 With reference to dances and their native states, which of the following pairs is correct?

Ans ✗ 1. Gomira – Uttar Pradesh

✔ 2. Yakshagana – Karnataka

✗ 3. Sattariya – Manipur

✗ 4. Kalaripayattu – Karnataka

Question ID : **816161756**
Status : **Answered**
Chosen Option : **4**

Q.13 In which state The Jaugada Rock Edict of Asoka is located?

Ans ✗ 1. Gujarat

✗ 2. Andhra Pradesh

✔ 3. Odisha

✗ 4. Uttarakhand

Question ID : **816161767**
Status : **Answered**
Chosen Option : **2**

Q.14 In the context of UN Sustainable Development Goals, which of the following pairs is INCORRECT?

Ans ✔ 1. Quality Education – SDG 3

✗ 2. No Poverty – SDG 1

✗ 3. Decent Work and Economic Growth – SDG 8

✗ 4. Zero Hunger – SDG 2

Question ID : **816161758**
Status : **Answered**
Chosen Option : **3**

Q.15 Who appoints the Advocate General of states?

Ans ✗ 1. Chief Justice of the high court

✔ 2. Governor of the state

✗ 3. Chief Minister of the state

✗ 4. President of India

Question ID : **816161774**
Status : **Answered**
Chosen Option : **2**

Q.16 As of January 2020, the Make in India program was implemented by the _____.

Ans
✗ 1. Ministry of Science and Technology

✔ 2. Ministry of Commerce and Industry

✗ 3. Ministry of Shipping

✗ 4. Ministry of Heavy Industries and Public Enterprises

Question ID : **816161757**
Status : **Answered**
Chosen Option : **2**

Q.17 Which among the following heritage buildings does NOT figure among those which were dedicated to the nation by the PM Narendra Modi in during his two-day visit to West Bengal in January 2020?

Ans
✗ 1. Old Currency Building

✔ 2. Belur Math Temple

✗ 3. Metcalfe House

✗ 4. Victoria Memorial Hall

Question ID : **816161779**
Status : **Answered**
Chosen Option : **1**

Q.18 As of January 2020, who among the following is the Lt. Governor of Jammu and Kashmir?

Ans
✗ 1. Jagdish Mukhi

✗ 2. Satyapal Malik

✗ 3. Lalji Tandon

✔ 4. Girish Chandra Murmu

Question ID : **816161773**
Status : **Answered**
Chosen Option : **4**

Q.19 Who among the following scholars is associated with the Tibet-home theory of the Aryans?

Ans
✗ 1. MacDonell

✗ 2. Max Muller

✔ 3. Dayanand Saraswati

✗ 4. Bal Gangadhar Tilak

Question ID : **816161768**
Status : **Answered**
Chosen Option : **3**

Q.20 On which date is National Sports Day observed in India?

Ans ✗ 1. 5th July

✗ 2. 4th May

✔ 3. 29th August

✗ 4. 17th September

Question ID : **816161775**
Status : **Answered**
Chosen Option : **3**

Q.21 The 'Great Indian Novel' is authored by:

Ans ✔ 1. Shashi Tharoor

✗ 2. Chitra Banerjee

✗ 3. Arvind Adiga

✗ 4. Vikram Seth

Question ID : **816161771**
Status : **Answered**
Chosen Option : **1**

Q.22 Which of the following is the outermost solid part of the Earth?

Ans ✔ 1. Crust

✗ 2. Mantle

✗ 3. Core

✗ 4. Caldera

Question ID : **816161765**
Status : **Answered**
Chosen Option : **1**

Q.23 'Torr' is a unit of _____.

Ans ✗ 1. force

✗ 2. energy

✔ 3. pressure

✗ 4. power

Question ID : **816161759**
Status : **Answered**
Chosen Option : **1**

Q.24 Which company recently became the 1st Indian company to hit the ₹10 Lakh Crore market valuations?

Ans ✗ 1. BSNL

✗ 2. Airtel

✗ 3. Jio

✔ 4. Reliance

Question ID : **816161778**
Status : **Answered**
Chosen Option : **4**

Q.25 According to the Jain Philosophy, the term 'Jina' means _____.

Ans ✗ 1. lord

✔ 2. the conqueror

✗ 3. free from fetters

✗ 4. worthy

Question ID : **816161769**
Status : **Answered**
Chosen Option : **3**

Section : **Quantitative Aptitude**

Q.1 If $a^4 + \frac{1}{a^4} = 50$, $a > 0$, then find the value of $a^3 + \frac{1}{a^3}$.

Ans ✗ 1. $\sqrt{2(1-\sqrt{13})(-1+2\sqrt{13})}$

✗ 2. $\sqrt{2(1+\sqrt{13})(-1-2\sqrt{13})}$

✔ 3. $\sqrt{2(1+\sqrt{13})(-1+2\sqrt{13})}$

✗ 4. $\sqrt{2(1+\sqrt{13})+(-1+2\sqrt{13})}$

Question ID : **816161793**
Status : **Not Answered**
Chosen Option : **--**

Q.2 If $cot\theta + tan\theta = 2sec\theta, 0° < \theta < 90°,$ then the value of $\frac{tan2\theta - sec\theta}{cot2\theta + cosec\theta}$ is:

Ans

✗ 1. $\frac{2\sqrt{3}-1}{5}$

✗ 2. $\frac{3-\sqrt{2}}{11}$

✗ 3. $\frac{3-\sqrt{2}}{5}$

✓ 4. $\frac{2\sqrt{3}-1}{11}$

Question ID : **816161798**
Status : **Answered**
Chosen Option : **4**

Q.3 $25a^2 - 9$ is factored as:

Ans

✗ 1. $(25a + 1)(a - 9)$

✗ 2. $(5a + 1)(5a - 9)$

✗ 3. $(5a - 3)^2$

✓ 4. $(5a + 3)(5a - 3)$

Question ID : **816161791**
Status : **Answered**
Chosen Option : **4**

Q.4 When two equal amounts are deposited for 5 years and 3 years at the rate of 7% and 9% per annum respectively, and the difference of their simple interest is ₹475. Then find the deposited amount.

Ans

✗ 1. ₹6,037.5

✗ 2. ₹5,992.5

✓ 3. ₹5,937.5

✗ 4. ₹5,837.5

Question ID : **816161787**
Status : **Answered**
Chosen Option : **3**

Q.5 In a stream running at 3 km/h, a motorboat goes 12 km upstream and back to the starting point in 60 min. Find the speed of the motorboat in still water. (in km/h)

Ans

✗ 1. $2(2+\sqrt{17})$

✗ 2. $2(4+\sqrt{15})$

✗ 3. $3(2+\sqrt{17})$

✓ 4. $3(4+\sqrt{17})$

Question ID : **816161789**
Status : **Marked For Review**
Chosen Option : **4**

Q.6 The total number of students in a class is 65. If the total number of girls in the class is 35, then the ratio of the total number of boys to the total number of girls is:

Ans

✓ 1. $6:7$

✗ 2. $7:13$

✗ 3. $13:7$

✗ 4. $7:6$

Question ID : **816161786**
Status : **Answered**
Chosen Option : **1**

Q.7 What is the remainder when we divide $5^{70}+7^{70}$ by 74?

Ans

✗ 1. 7

✗ 2. 1

✗ 3. 5

✓ 4. 0

Question ID : **816161780**
Status : **Answered**
Chosen Option : **4**

Q.8 A trader marks his goods at 60% above the cost price and allows a discount of 25%. What is his gain percent?

Ans

✗ 1. 40%

✗ 2. 25%

✗ 3. 30%

✓ 4. 20%

Question ID : **816161783**
Status : **Answered**
Chosen Option : **4**

Q.9 By what number must the given number be multiplied to increase the number by 25%.

Ans
✗ 1. 3

✗ 2. $\frac{3}{4}$

✔ 3. $\frac{5}{4}$

✗ 4. $\frac{2}{5}$

Question ID : **816161784**
Status : **Answered**
Chosen Option : **3**

Q.10 The following table shows the items of expenditure of a company (in ₹ lakh per annum), from 2015 to 2019.

Year	Salary	Fuel and transport	Bonus	Interest on loans	taxes
2019	250	90	5	23.5	80
2018	350	110	2.5	30	110
2017	325	100	3.5	40	70
2016	300	125	4	35	90
2015	400	140	3	45	100

What is the average amount of interest per year which the company had to pay during this period?

Ans
✗ 1. ₹25 lakh

✔ 2. ₹34.7 lakh

✗ 3. ₹30.7 lakh

✗ 4. ₹35 lakh

Question ID : **816161801**
Status : **Answered**
Chosen Option : **2**

Q.11 What is the area of a triangle whose sides are 3 cm, 5 cm and 4 cm?

Ans
✔ 1. 6 cm^2

✗ 2. $2\sqrt{3} \text{ cm}^2$

✗ 3. $2\sqrt{6} \text{ cm}^2$

✗ 4. 3 cm^2

Question ID : **816161790**
Status : **Answered**
Chosen Option : **1**

Q.12 The following table shows the percentage distribution of the population of five states, A, B, C, D and E on the basis of the poverty line and also on the basis of sex.

State	Percentage of population below the poverty line	Proportion of Males and Females	
		Below poverty line	Above poverty line
		Males: Females	Males: Females
A	15	5:3	4:3
B	25	1:2	2:3
C	19	3:2	4:5
D	35	1:2	2:3
E	24	3:5	6:7

If the population of males below the poverty line for State C is 3 million, then what is the total population of State C?

Ans ✔ 1. 26.316 million

✘ 2. 24.486 million

✘ 3. 25.617 million

✘ 4. 23.361 million

Question ID : **816161804**
Status : **Not Answered**
Chosen Option : **--**

**Q.13** Find the area and circumference of a circle if the radius is 14 cm. (Take $\pi = \frac{22}{7}$)

Ans ✘ 1. Area = 88 cm^2 ; Circumference = 616 cm

✘ 2. Area = 44 cm^2 ; Circumference = 308 cm

✘ 3. Area = 308 cm^2 ; Circumference = 44 cm

✔ 4. Area = 616 cm^2 ; Circumference = 88 cm

Question ID : **816161794**
Status : **Answered**
Chosen Option : **4**

Q.14 In the given figure, a circle inscribed in ΔPQR touches its sides PQ, QR and RP at points S, T and U, respectively. If PQ = 15 cm, QR = 10 cm, and RP = 12 cm, then find the lengths of PS, QT and RU?
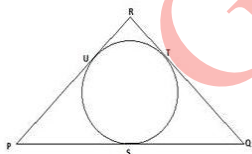
Ans ✘ 1. PS = 8.5 cm, QT = 3.5 cm and RU = 6.5 cm

✘ 2. PS = 6.5 cm, QT = 8.5 cm and RU = 3.5 cm

✘ 3. PS = 3.5 cm, QT = 6.5 cm and RU = 8.5 cm

✔ 4. PS = 8.5 cm, QT = 6.5 cm and RU = 3.5 cm

Question ID : **816161795**
Status : **Answered**
Chosen Option : **4**

Q.15 The following table shows the percentage distribution of the population of five states, A, B, C, D and E on the basis of the poverty line and also on the basis of sex.

State	Percentage of population below the poverty line	Proportion of Males and Females	
		Below poverty line	Above poverty line
		Males: Females	Males: Females
A	15	5:3	4:3
B	25	1:2	2:3
C	19	3:2	4:5
D	35	1:2	2:3
E	24	3:5	6:7

If the male population above the poverty line for State B is 2.5 million, then what is the total population of State B?

Ans

✗ 1. $8\dfrac{2}{3}$ millon

✗ 2. $10\dfrac{5}{3}$ millon

✗ 3. $7\dfrac{2}{3}$ millon

✓ 4. $8\dfrac{1}{2}$ millon

Question ID : **816161803**
Status : **Answered**
Chosen Option : **2**

Q.16 The following table showing the percentage of the total population of a state in different age groups.

Age group (in years)	Population (in percentage)
0-15	31
15-25	5.25
25-35	14.25
35-45	14.50
45-55	17.25
55 & above	17.75
Total	100

Out of every 50,000 people, find the approximate number of persons below the age of 35.

Ans

✗ 1. 25,230

✓ 2. 25,250

✗ 3. 26,250

✗ 4. 26,260

Question ID : **816161802**
Status : **Answered**
Chosen Option : **2**

Q.17 In Δ ABC, D is a point on BC such that AD is the bisector of ∠A, AB = 11.7 cm, AC = 7.8 cm and BC = 13 cm. What is the length (in cm) of DC?

Ans ✗ 1. 7.8

✗ 2. 6.5

✗ 3. 5.6

✔ 4. 5.2

Question ID : **816161797**
Status : **Answered**
Chosen Option : **4**

Q.18 Solve the following.

$$\left(\frac{\sin 27^o}{\cos 63^o}\right) - \left(\frac{\cos 27^o}{\sin 63^o}\right)^2$$

Ans ✗ 1. -1

✗ 2. 1

✗ 3. 2

✔ 4. 0

Question ID : **816161799**
Status : **Answered**
Chosen Option : **4**

Q.19 The length of each equal side of an isosceles triangle is 15 cm and the included angle between those two sides is 90°. Find the area of the triangle.

Ans ✔ 1. $\frac{225}{2}$ cm²

✗ 2. $\frac{125}{2}$ cm²

✗ 3. 225 cm²

✗ 4. $\frac{255}{2}$ cm²

Question ID : **816161796**
Status : **Answered**
Chosen Option : **1**

Q.20 A can do a piece of work in 6days. B can do it in 9 days. With the assistance of C they completed the work in 3 days. In how many days can C alone do the work?

Ans

✔ 1. 18

✘ 2. 12

✘ 3. 16

✘ 4. 8

<div style="border:1px solid #000;">
Question ID : **816161788**

Status : **Answered**

Chosen Option : **1**
</div>

Q.21 If $5\cos^2\theta + 1 = 3\sin^2\theta, 0° < \theta < 90°$, then what is the value of $\frac{\tan\theta + \sec\theta}{\cot\theta + \csc\theta}$?

Ans

✔ 1. $\frac{3+2\sqrt{3}}{3}$

✘ 2. $\frac{2+3\sqrt{3}}{2}$

✘ 3. $\frac{2+3\sqrt{3}}{3}$

✘ 4. $\frac{3+2\sqrt{3}}{2}$

<div style="border:1px solid #000;">
Question ID : **816161800**

Status : **Answered**

Chosen Option : **1**
</div>

Q.22 Solve the following expression.

$$5.6 - \{2 + 0.6 \text{ of } (2.1 - 2.6 \times 1.12)\}$$

Ans

✘ 1. 4.0871

✘ 2. 7.7113

✔ 3. 4.0872

✘ 4. 7.7112

<div style="border:1px solid #000;">
Question ID : **816161781**

Status : **Answered**

Chosen Option : **3**
</div>

Q.23 The average score in Mathematics of 90 students of sections A and B together is 49. The number of students in A was 25% more than that of B, and the average score of the students in B was 20% higher than that of the students in A. What is the average score of the students in A?

Ans

✗ 1. 44

✔ 2. 45

✗ 3. 45.5

✗ 4. 44.5

Question ID : **816161782**
Status : **Answered**
Chosen Option : **2**

Q.24 Find the product of $(a + b + 2c)(a^2 + b^2 + 4c^2 - ab - 2bc - 2ca)$.

Ans

✔ 1. $a^3 + b^3 + 8c^3 - 6abc$

✗ 2. $a^3 + b^3 + 8c^3 - 2abc$

✗ 3. $a^3 + b^3 + 8c^3 - abc$

✗ 4. $a^3 + b^3 + 6c^3 - 6abc$

Question ID : **816161792**
Status : **Answered**
Chosen Option : **1**

Q.25 A man sold two gifts at ₹30 each. On one gift he gained 18%, and on the other gift he lost 18%. What is his overall gain/loss (in ₹)?

Ans

✗ 1. Loss of ₹2.50

✗ 2. Gain of ₹1.75

✔ 3. Loss of ₹2.00

✗ 4. Gain of ₹2.00

Question ID : **816161785**
Status : **Answered**
Chosen Option : **3**

Section : **English Comprehension**

Q.1 Select the most appropriate ANTONYM of the given word.

Malice

Ans

✗ 1. Truth

✔ 2. Goodwill

✗ 3. Hypocrisy

✗ 4. Humility

Question ID : **816161822**
Status : **Answered**
Chosen Option : **2**

Q.2 Select the most appropriate meaning of the given idiom.

Cut and dried

Ans ✔ 1. Already decided

✗ 2. Very old

✗ 3. Badly hurt

✗ 4. Dead and gone

Question ID : **816161824**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the INCORRECTLY spelt word.

Ans ✗ 1. Ninety

✔ 2. Fourty

✗ 3. Eighty

✗ 4. Fifty

Question ID : **816161827**
Status : **Answered**
Chosen Option : **2**

Q.4 Select the most appropriate ANTONYM of the given word.

Foul

Ans ✗ 1. Proud

✗ 2. Vile

✔ 3. Fair

✗ 4. Nasty

Question ID : **816161821**
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.

I do not see some reasons why my application should be rejected.

Ans ✗ 1. many reasons so

✔ 2. any reason why

✗ 3. some reason for

✗ 4. No improvement

Question ID : **816161809**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the correct passive form of the given sentence.**

She is teaching French to children.

Ans ✘ 1. Children were taught French by her.

✔ 2. Children are being taught French by her.

✘ 3. Children are taught French by her.

✘ 4. Children have been taught French by her.

Question ID : **816161807**
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.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1)_____ wooden dolls decreasing in size and (2)_____ inside one another. The first such set (3)_____ in 1890. The figures inside may be of (4)_____ gender. The smallest doll is the baby, made from (5)_____ single piece of wood.

SubQuestion No : 7

Q.7 **Select the most appropriate option to fill in blank number (1).**

Ans ✘ 1. by

✔ 2. of

✘ 3. for

✘ 4. in

Question ID : **816161812**
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.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1)_____ wooden dolls decreasing in size and (2)_____ inside one another. The first such set (3)_____ in 1890. The figures inside may be of (4)_____ gender. The smallest doll is the baby, made from (5)_____ single piece of wood.

SubQuestion No : 8

Q.8 **Select the most appropriate option to fill in blank number (2).**

Ans ✘ 1. occupied

✔ 2. placed

✘ 3. located

✘ 4. situated

Question ID : **816161813**
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.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1)_____ wooden dolls decreasing in size and (2)_____ inside one another. The first such set (3)_____ in 1890. The figures inside may be of (4)_____ gender. The smallest doll is the baby, made from (5)_____ single piece of wood.

SubQuestion No : 9

Q.9 Select the most appropriate option to fill in blank number (3).

Ans ✔️ 1. was made

✖️ 2. made

✖️ 3. is made

✖️ 4. has been made

Question ID : **816161814**
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.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1)_____ wooden dolls decreasing in size and (2)_____ inside one another. The first such set (3)_____ in 1890. The figures inside may be of (4)_____ gender. The smallest doll is the baby, made from (5)_____ single piece of wood.

SubQuestion No : 10

Q.10 Select the most appropriate option to fill in blank number (4).

Ans ✖️ 1. every

✔️ 2. either

✖️ 3. some

✖️ 4. neither

Question ID : **816161815**
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.

The Matryoshka doll is also called the Russian nesting doll. It is a set (1)_____ wooden dolls decreasing in size and (2)_____ inside one another. The first such set (3)_____ in 1890. The figures inside may be of (4)_____ gender. The smallest doll is the baby, made from (5)_____ single piece of wood.

SubQuestion No : 11

Q.11 Select the most appropriate option to fill in blank number (5).

Ans ✗ 1. an

✗ 2. the

✗ 3. each

✔ 4. a

Question ID : **816161816**
Status : **Answered**
Chosen Option : **4**

Q.12 Select the INCORRECTLY spelt word.

Ans ✗ 1. Commission

✗ 2. Committee

✗ 3. Colleague

✔ 4. Corresspond

Question ID : **816161828**
Status : **Answered**
Chosen Option : **4**

Q.13 Fill in the blank with the most appropriate word.

Beautiful red roses _____ the bride's hair.

Ans ✗ 1. adjourned

✗ 2. attracted

✗ 3. allured

✔ 4. adorned

Question ID : **816161830**
Status : **Answered**
Chosen Option : **4**

Q.14 Fill in the blank with the most appropriate word.

The speaker _____ the audience with his fine speech.

Ans   ✗ 1. depressed

✔ 2. impressed

✗ 3. expressed

✗ 4. suppressed

Question ID : **816161829**
Status : **Answered**
Chosen Option : **2**

Q.15 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Plenty of information were given to me at the tourist office.

Ans   ✗ 1. No error

✗ 2. Plenty of information

✗ 3. at the tourist office

✔ 4. were given to me

Question ID : **816161806**
Status : **Answered**
Chosen Option : **4**

Q.16 Select the most appropriate meaning of the underlined idiom in the given sentence.

The people were scared because the burglar was <u>at large.</u>

Ans   ✔ 1. not caught

✗ 2. very dangerous

✗ 3. very famous

✗ 4. behind bars

Question ID : **816161823**
Status : **Answered**
Chosen Option : **1**

Q.17 Select the correct indirect form of the given sentence.

The Principal has said, "Mr. Surinder will coach the football team."

Ans   ✔ 1. The Principal has said that Mr. Surinder will coach the football team.

✗ 2. The Principal has said that Mr. Surinder would coach the football team.

✗ 3. The Principal has asked that will Mr. Surinder coach the football team.

✗ 4. The Principal said that Mr. Surinder would coach the football team.

Question ID : **816161808**
Status : **Answered**
Chosen Option : **4**

Q.18 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.

Having **being warn before**, he did not repeat the mistake.

Ans ❌ 1. No improvement

     ❌ 2. being warned before

     ❌ 3. be warned before

     ✔ 4. been warned before

> Question ID : **816161810**
> Status : **Answered**
> Chosen Option : **2**

Q.19 Select the word which means the same as the group of words given.

To rise in value

Ans ❌ 1. Enlarge

     ❌ 2. Depreciate

     ✔ 3. Appreciate

     ❌ 4. Extend

> Question ID : **816161825**
> Status : **Answered**
> Chosen Option : **3**

Q.20 Select the most appropriate synonym of the given word.

Assault

Ans ❌ 1. Alibi

     ❌ 2. Anger

     ✔ 3. Attack

     ❌ 4. Anxiety

> Question ID : **816161819**
> Status : **Answered**
> Chosen Option : **3**

Q.21 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. While the long thin ones are most common, there are many other varieties.
B. Noodles are the staple food in many cultures across the world.
C. They are then served with a sauce or in soup.
D. However, all varieties are usually cooked in boiling water.

Ans ❌ 1. BCDA

     ❌ 2. BCAD

     ❌ 3. BDAC

     ✔ 4. BADC

> Question ID : **816161817**
> Status : **Answered**
> Chosen Option : **4**

Q.22 Select the most appropriate synonym of the given word.

Thrive

Ans ✗ 1. Shrink

✗ 2. Languish

✔ 3. Flourish

✗ 4. Crave

Question ID : **816161820**

Status : **Answered**

Chosen Option : **1**

Q.23 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. I found he was an old sailor and knew all the seafaring men in Bristol.
B. So, I engaged him on the spot to be the ship's cook but he proved to be much more.
C. He had lost his health ashore and wanted a berth as cook to get to the sea again.
D. I was standing on the dock when by accident I fell in talk with a stranger.

Ans ✔ 1. DACB

✗ 2. BACD

✗ 3. DBAC

✗ 4. CBAD

Question ID : **816161818**

Status : **Answered**

Chosen Option : **3**

Q.24 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

As a little child she was afraid from darkness.

Ans ✗ 1. she was afraid

✗ 2. As a little child

✔ 3. from darkness

✗ 4. No error

Question ID : **816161805**

Status : **Answered**

Chosen Option : **3**

Q.25 Select the word which means the same as the group of words given.

To brighten up with lights

Ans ✔ 1. Illuminate

✗ 2. Elucidate

✗ 3. Infuriate

✗ 4. Illustrate

Question ID : **816161826**

Status : **Answered**

Chosen Option : **1**