Combined Graduate Level Examination-2019 (Tier-I)

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ4 Patliputra
Exam Date	06/03/2020
Exam Time	10:00 AM - 11:00 AM
Subject	CGLE Tier I

Section : **General Intelligence and Reasoning**

Q.1 Arrange the following words in a logical and meaningful order.

1. Quadrillion
2. Quintillion
3. Million
4. Octillion
5. Trillion

Ans ✗ 1. 4-3-5-1-2

✗ 2. 2-3-5-1-4

✔ 3. 3-5-1-2-4
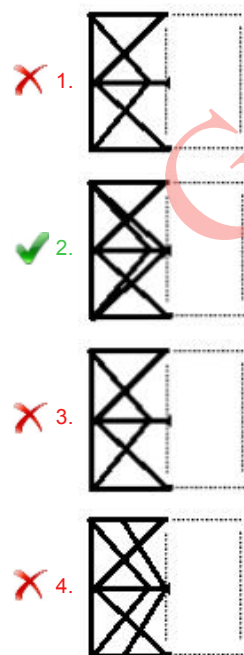
✗ 4. 3-5-1-4-2

Question ID : **123568316**
Status : **Marked For Review**
Chosen Option : **4**

Q.2 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 : **123568338**
Status : **Marked For Review**
Chosen Option : **2**

Q.3 Four words have been given, out of which three are alike in some manner and one is different. Select the odd word.

Ans
✗ 1. Clarinet
✗ 2. Trumpet
✗ 3. Saxophone
✔ 4. Xylophone

> Question ID : **123568318**
> Status : **Marked For Review**
> Chosen Option : **2**

Q.4 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. 13 : 169
✗ 2. 11 : 121
✔ 3. 15 : 250
✗ 4. 17 : 289

> Question ID : **123568328**
> Status : **Answered**
> Chosen Option : **3**

Q.5 'Astronomy' is related to 'Stars' in the same way as 'Agronomy' is related to '_____'.

Ans
✗ 1. Emotions
✗ 2. Planets
✔ 3. Crops
✗ 4. Mines

> Question ID : **123568319**
> Status : **Answered**
> Chosen Option : **3**

Q.6 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

15	3	24
21	6	30
49	5	?

Ans
✗ 1. 82
✔ 2. 88
✗ 3. 98
✗ 4. 92

> Question ID : **123568329**
> Status : **Not Attempted and Marked For Review**
> Chosen Option : **--**

Q.7 Select the letter-cluster that can replace the question mark (?) in the following series.
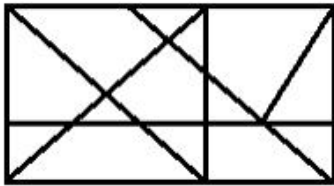
ADG, CGK, EJO, ? , IPW

Ans ✗ 1. GMZ

✓ 2. GMS

✗ 3. GNS

✗ 4. GNZ

Question ID : **123568323**
Status : **Answered**
Chosen Option : **2**
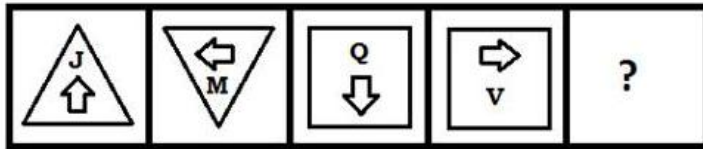
Q.8 How many triangles are there in the given figure?

Ans ✓ 1. 25
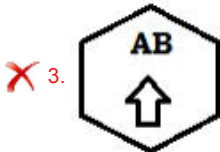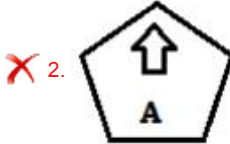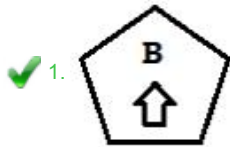
✗ 2. 16

✗ 3. 22

✗ 4. 28

Question ID : **123568334**
Status : **Marked For Review**
Chosen Option : **2**

Q.9 Select the figure that can replace the question mark (?) in the following series.

Ans

1. (correct)

2. (incorrect)

3. (incorrect)

4. (incorrect)

Question ID : **123568333**
Status : **Answered**
Chosen Option : **1**

Q.10 In a certain group of men and horses, the total number of legs is 14 more than twice the number of heads. How many horses are there in the group?

Ans 1. 5 (incorrect)

2. 9 (incorrect)

3. 11 (incorrect)

4. 7 (correct)

Question ID : **123568332**
Status : **Answered**
Chosen Option : **4**

Q.11 In a certain code language, 'DKQX' is written as 'WPJC'. How will 'AFKP' be written as in that language?

Ans 1. ZUQJ (incorrect)

2. ZUPK (correct)

3. ZTOK (incorrect)

4. ZVQL (incorrect)

Question ID : **123568321**
Status : **Answered**
Chosen Option : **2**

Q.12 Select the option in which the words share the same relationship as that shared by the given pair of words.

North : South

Ans

✗ 1. Whole : Total

✗ 2. Ductile : Bendable

✔ 3. Frown : Smile

✗ 4. Integrity : Honesty

> Question ID : 123568320
> Status : **Answered**
> Chosen Option : **3**

Q.13 Which two signs should be interchanged to make the given equation correct?

$12 + 81 - 27 \times 9 \div 3 = 36$

Ans

✗ 1. + and ×

✗ 2. × and −

✗ 3. ÷ and ×

✔ 4. − and ÷

> Question ID : 123568331
> Status : **Answered**
> Chosen Option : **4**

Q.14 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 : 123568337
> Status : **Answered**
> Chosen Option : **2**

Q.15 Select the number that can replace the question mark (?) in the following series.

5, 10, 26, ? , 122, 170

Ans	✖ 1. 77

✖ 2. 65

✔ 3. 50

✖ 4. 82

Question ID : **123568326**
Status : **Marked For Review**
Chosen Option : **2**

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. GCV

✖ 2. DDP

✖ 3. BJT

✖ 4. FBL

Question ID : **123568317**
Status : **Answered**
Chosen Option : **1**

Q.17 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
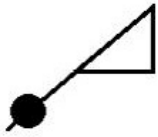
23	5	110
56	9	121
49	3	?

Ans	✔ 1. 77

✖ 2. 113

✖ 3. 111

✖ 4. 95

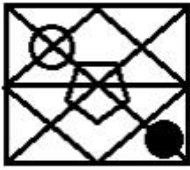Question ID : **123568330**
Status : **Marked For Review**
Chosen Option : **3**

Q.18 Select the option in which the given figure is embedded (rotation is not allowed).

Ans

✗ 1.

✗ 2.

✗ 3.

✔ 4.
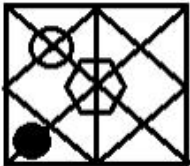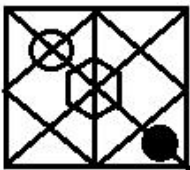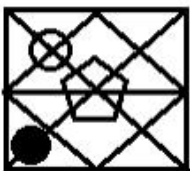
| Question ID : **123568336** |
| Status : **Answered** |
| Chosen Option : **4** |

Q.19 In the given Venn diagram, the 'rectangle' represents 'travellers who like to travel by plane', the 'circle' represents 'travellers who like to travel by bus', and the 'triangle' represents travellers who like to travel by train'. The numbers given in the diagram represent the number of travellers in that particular category.
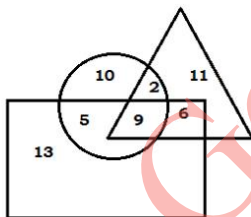
How many travellers like to travel either by train or plane but NOT by bus?

Ans
✗ 1. 29

✗ 2. 36

✔ 3. 30

✗ 4. 27

| Question ID : **123568339** |
| Status : **Answered** |
| Chosen Option : **3** |

Q.20 A + B means 'A is the husband of B';

A – B means 'B is the sister of A';

A × B means 'A is the mother of B';

A ÷ B means 'B is the son of A'.

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

Ans ✗ 1. Uncle

✔ 2. Maternal grandfather

✗ 3. Paternal grandfather

✗ 4. Father-in-law

Question ID : **123568324**
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. Some machines are kites.

2. No machine is a pigeon.

Conclusions:

I. Some machines are pigeons.

II. All kites are pigeons.

III. Some kites are not pigeons.

Ans ✗ 1. Only conclusions I and III follow.

✗ 2. Only conclusions I and II follow.

✗ 3. Only conclusion II follows.

✔ 4. Only conclusion III follows.

Question ID : **123568325**
Status : **Marked For Review**
Chosen Option : **4**

Q.22 Select the letter that can replace the question mark (?) in the following series.

A, E, I, ?, Q, U

Ans ✗ 1. O

✔ 2. M

✗ 3. N

✗ 4. K

Question ID : **123568315**
Status : **Answered**
Chosen Option : **2**

Q.23 Select the number that can replace the question mark (?) in the following series.

62, 66, 74, 90, ?

Ans
✔ 1. 122

✘ 2. 120

✘ 3. 106

✘ 4. 116

Question ID : **123568327**
Status : **Marked For Review**
Chosen Option : **1**

Q.24 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. @
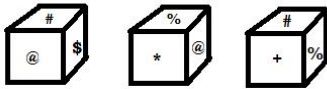
Question ID : **123568335**
Status : **Answered**
Chosen Option : **4**

Q.25 In a certain code language, 'PAGE' is coded as '161495'. How will 'PART' be coded as in that language?

Ans
✘ 1. 16125020

✘ 2. 16128620

✔ 3. 16132420

✘ 4. 16136220

Question ID : **123568322**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 Which Indian journalist was honoured with India's Most Powerful Woman in Media Award during the prestigious Confluence Excellence Award ceremony held in the British parliament on 27 September 2019?

Ans
✘ 1. Anubha Bhonsle

✔ 2. Kalli Puri

✘ 3. Sona Choudhary

✘ 4. Sunetra Chaudhary

Question ID : **123568356**
Status : **Marked For Review**
Chosen Option : **4**

Q.2 The SDG India index is developed by _____.

Ans
✗ 1. Ministry of Home Affairs

✗ 2. World Bank

✔ 3. NITI Aayog

✗ 4. Ministry of Environmental, Forests and Climate Change

Question ID : **123568359**
Status : **Not Answered**
Chosen Option : **--**

Q.3 To which of the following Indian states does Mardani Khel, one of the famous martial art forms in India belong?

Ans
✗ 1. Madhya Pradesh

✔ 2. Maharashtra

✗ 3. Uttar Pradesh

✗ 4. Rajasthan

Question ID : **123568340**
Status : **Marked For Review**
Chosen Option : **2**

Q.4 In which year did D.C. Sircar publish Indian Epigraphy and Indian Epigraphical Glossary?

Ans
✔ 1. 1965-66

✗ 2. 1966-67

✗ 3. 1964-65

✗ 4. 1967-68

Question ID : **123568355**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Which leader gave us the C R Formula?

Ans
✗ 1. C. R. Das

✗ 2. Tilak

✔ 3. C. Rajagopalachari

✗ 4. Mahatma Gandhi

Question ID : **123568354**
Status : **Answered**
Chosen Option : **3**

Q.6 Merchant discount rate refers to _____.

Ans
✗ 1. only taxes that a digital payment entails

✗ 2. the total discount a merchant offers on online transactions

✗ 3. the total discount a bank offers to the merchant for promoting online transactions

✔ 4. the rate charged to a merchant for payment processing services on debit and credit card transactions

Question ID : **123568342**
Status : **Answered**
Chosen Option : **3**

Q.7 **UN Women propose to partner with _____ gender park with an aim to secure gender parity in South Asia.**

Ans ✗ 1. Haryana's

✗ 2. Punjab's

✗ 3. Rajasthan's

✔ 4. Kerala's

Question ID : **123568364**
Status : **Marked For Review**
Chosen Option : **1**

Q.8 **In the sequence of planets in the Solar system, which planet comes in between Mercury and Earth?**

Ans ✗ 1. Jupiter

✔ 2. Venus

✗ 3. Uranus

✗ 4. Mars

Question ID : **123568351**
Status : **Answered**
Chosen Option : **2**

Q.9 **When did the Vikrama Era begin?**

Ans ✗ 1. 50 BC

✗ 2. 55 BC

✗ 3. 47 BC

✔ 4. 57 BC

Question ID : **123568352**
Status : **Answered**
Chosen Option : **4**

Q.10 **Mehrunnisa who was known as Nur Jahan was the wife of _____.**

Ans ✗ 1. Shah Jahan

✗ 2. Akbar

✗ 3. Aurangzeb

✔ 4. Jahangir

Question ID : **123568353**
Status : **Answered**
Chosen Option : **4**

Q.11 **Name the only metal that is antibacterial.**

Ans ✔ 1. Copper

✗ 2. Sodium

✗ 3. Iron

✗ 4. Aluminium

Question ID : **123568347**
Status : **Answered**
Chosen Option : **2**

Q.12 Which of the following is the primary sex organ in females?

Ans

✗ 1. Vagina

✔ 2. Ovary

✗ 3. Uterus

✗ 4. Fallopian tube

> Question ID : **123568345**
> Status : **Marked For Review**
> Chosen Option : **2**

Q.13 Alyssa Healy who created a world record by becoming the highest scorer in women's T20I, belongs to _____.

Ans

✗ 1. Japan

✗ 2. India

✗ 3. Canada

✔ 4. Australia

> Question ID : **123568361**
> Status : **Answered**
> Chosen Option : **4**

Q.14 Which of the following gases is consistently seen to be most abundant in a volcanic eruption?

Ans

✔ 1. Water vapour

✗ 2. Hydrogen Sulphide

✗ 3. Carbon Dioxide

✗ 4. Sulphur Dioxide

> Question ID : **123568350**
> Status : **Marked For Review**
> Chosen Option : **4**

Q.15 Which of the following is a natural flame retardant?

Ans

✔ 1. DNA

✗ 2. Flowers

✗ 3. Skin

✗ 4. RNA

> Question ID : **123568348**
> Status : **Not Answered**
> Chosen Option : **--**

Q.16 If the inflation in an economy is rising steadily, the Central Bank might _____.

Ans

✗ 1. decrease the repo rate

✗ 2. keep the repo rate unchanged

✗ 3. decrease the reverse repo rate

✔ 4. increase the repo rate

> Question ID : **123568343**
> Status : **Marked For Review**
> Chosen Option : **1**

Q.17 Who performs the task of capturing oxygen in the blood?

Ans ✔ 1. Haemoglobin

✘ 2. White blood cells

✘ 3. Red blood cells

✘ 4. Chlorophyll

	Question ID : **123568344**
	Status : **Answered**
	Chosen Option : **1**

Q.18 Who is the first General of the Indian Army, whose retirement day is celebrated as the 'Armed Forces Veterans Day' every year?

Ans ✘ 1. General S.M. Srinagesh

✘ 2. General Maharaj Rajendra Sinhji

✔ 3. General K. M. Cariappa

✘ 4. General K.S. Thimayya

	Question ID : **123568363**
	Status : **Answered**
	Chosen Option : **3**

Q.19 Name the Indian wrestler who has been named the Junior Freestyle Wrestler of the year (2019) by United World Wrestling (UWW).

Ans ✘ 1. Kamareddy

✘ 2. Amita Bagchi

✘ 3. B.P. Raju

✔ 4. Deepak Punia

	Question ID : **123568357**
	Status : **Not Answered**
	Chosen Option : **--**

Q.20 Which of the following diseases is NOT transmitted from one person to another?

Ans ✘ 1. Hepatitis B

✘ 2. Syphilis

✔ 3. Cirrhosis

✘ 4. AIDS

	Question ID : **123568346**
	Status : **Answered**
	Chosen Option : **4**

Q.21 Which of the following is the first South Asian country to call match-fixing a crime?

Ans ✘ 1. India

✔ 2. Sri Lanka

✘ 3. Pakistan

✘ 4. Nepal

	Question ID : **123568360**
	Status : **Answered**
	Chosen Option : **1**

Q.22 Madhavpur Mela takes place in _____.

Ans ✗ 1. Uttar Pradesh

✗ 2. Maharashtra

✔ 3. Gujarat

✗ 4. Madhya Pradesh

Question ID : **123568341**

Status : **Marked For Review**

Chosen Option : **2**

Q.23 Which International organisation released the 'World Energy Outlook 2019' Report?

Ans ✗ 1. UNESCO

✔ 2. International Energy Agency

✗ 3. World Trade Organisation

✗ 4. United Nations

Question ID : **123568362**

Status : **Answered**

Chosen Option : **2**

Q.24 The Supreme Court has declared access to the internet a fundamental right under Article _____ of the Indian Constitution.

Ans ✗ 1. 21

✔ 2. 19

✗ 3. 17

✗ 4. 14

Question ID : **123568358**

Status : **Answered**

Chosen Option : **2**

Q.25 On which river and in which state is the Jayakwadi dam situated?

Ans ✗ 1. Banas river - Rajasthan

✗ 2. Ravi river - Punjab

✗ 3. Periyar river - Kerala

✔ 4. Godavari river - Maharashtra

Question ID : **123568349**

Status : **Not Answered**

Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 If the number $687x29$ is divisible by 9, then the value of $2x$ is:

Ans ✗ 1. 4

✗ 2. 3

✗ 3. 2

✔ 4. 8

Question ID : **123568365**

Status : **Answered**

Chosen Option : **4**

Q.2 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

Year	Rice	Wheat	Sugarcane	Barley	Maize
2015	415	2500	1000	975	490
2016	520	4218	1120	825	520
2017	585	3482	1250	700	610
2018	625	4500	1325	625	725
2019	600	3300	1450	775	840

The difference (in tonnes) between the average production of barley and average production of rice is:

Ans
✗ 1. 549
✗ 2. 780
✗ 3. 471
✔ 4. 231

Question ID : **123568388**
Status : **Answered**
Chosen Option : **4**

Q.3 If the area of an equilateral triangle is $36\sqrt{3}$ cm^2, then the perimeter of the triangle is:

Ans
✔ 1. 36 cm
✗ 2. $18\sqrt{3}$ cm
✗ 3. $36\sqrt{3}$ cm
✗ 4. 12 cm

Question ID : **123568382**
Status : **Answered**
Chosen Option : **1**

Q.4 If the value of $(a+b-2)^2 + (b+c-5)^2 + (c+a-5)^2 = 0$, then the value of $\sqrt{(b+c)^a + (c+a)^b - 1}$ is:

Ans
✗ 1. 2
✗ 2. 1
✔ 3. 3
✗ 4. 0

Question ID : **123568378**
Status : **Answered**
Chosen Option : **3**

Q.5 A, B and C can individually complete a task in 24 days, 20 days and 18 days, respectively. B and C start the task, and they work for 6 days and leave. The number of days required by A alone to finish the remaining task, is:

Ans
✗ 1. 10 days
✗ 2. $12\frac{1}{2}$ days
✔ 3. $8\frac{4}{5}$ days
✗ 4. $15\frac{2}{3}$ days

Question ID : **123568373**
Status : **Answered**
Chosen Option : **3**

Q.6 A metallic sphere of diameter 40 cm is melted into smaller spheres of radius 0.5 cm. How many such small balls can be made?

Ans ✗ 1. 6400

✔ 2. 64,000

✗ 3. 32,000

✗ 4. 3200

Question ID : **123568375**
Status : **Answered**
Chosen Option : **2**

Q.7 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

Year	Rice	Wheat	Sugarcane	Barley	Maize
2015	415	2500	1000	975	490
2016	520	4218	1120	825	520
2017	585	3482	1250	700	610
2018	625	4500	1325	625	725
2019	600	3300	1450	775	840

The highest growth of sugarcane production over its previous year is recorded in the year:

Ans ✗ 1. 2018

✗ 2. 2017

✗ 3. 2019

✔ 4. 2016

Question ID : **123568389**
Status : **Answered**
Chosen Option : **4**

Q.8 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

Year	Rice	Wheat	Sugarcane	Barley	Maize
2015	415	2500	1000	975	490
2016	520	4218	1120	825	520
2017	585	3482	1250	700	610
2018	625	4500	1325	625	725
2019	600	3300	1450	775	840

The percentage growth of maize in the year 2019 over the year 2015 is:
(correct to two decimal places)

Ans ✗ 1. 77.77%

✗ 2. 65.12%

✗ 3. 60.28%

✔ 4. 71.43%

Question ID : **123568386**
Status : **Answered**
Chosen Option : **4**

Q.9 An article was sold at a gain of 18%. If it had been sold for ₹49 more, then the gain would have been 25%. The cost price of the article is:

Ans
- ✗ 1. ₹570
- ✗ 2. ₹890
- ✔ 3. ₹700
- ✗ 4. ₹650

Question ID : **123568370**
Status : **Answered**
Chosen Option : **3**

Q.10 If $a + b + c = 9$ and $ab + bc + ca = -22$, then the value of $a^3 + b^3 + c^3 - 3abc$ is:

Ans
- ✔ 1. 1323
- ✗ 2. 1571
- ✗ 3. 783
- ✗ 4. 487

Question ID : **123568376**
Status : **Answered**
Chosen Option : **1**

Q.11 If '+' means '−', '−' means '+', '×' means '÷' and '÷' means '×', then the value of $\frac{[(30\times5)+(84\times6)]\div5}{[\frac{2}{3}\div18]-[4\div2]}$ is:

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

Question ID : **123568366**
Status : **Answered**
Chosen Option : **3**

Q.12 In the following table, the production of various crops (in tonnes) is given from 2015 to 2019. Study the table and answer the questions that follow.

Year	Rice	Wheat	Sugarcane	Barley	Maize
2015	415	2500	1000	975	490
2016	520	4218	1120	825	520
2017	585	3482	1250	700	610
2018	625	4500	1325	625	725
2019	600	3300	1450	775	840

The average production of wheat (in tonnes) in the period given in the table is:

Ans
- ✗ 1. 3482
- ✗ 2. 4218
- ✗ 3. 3300
- ✔ 4. 3600

Question ID : **123568387**
Status : **Answered**
Chosen Option : **4**

Q.13 If a sum of ₹1,180 is to be divided among A, B and C, such that 2 times A's share, 5 times B's share and 7 times C's share, are equal, then A's share is:

Ans ✔ 1. ₹700

     ✘ 2. ₹500

     ✘ 3. ₹650

     ✘ 4. ₹750

> Question ID : **123568371**
> Status : **Answered**
> Chosen Option : **1**

Q.14 A shopkeeper marks the price of an article in such a way that after allowing a discount of 22%, he gets a gain of 11%. If the marked price is ₹888, then the cost price of the article is:

Ans ✘ 1. ₹550

     ✔ 2. ₹624

     ✘ 3. ₹895

     ✘ 4. ₹782

> Question ID : **123568368**
> Status : **Marked For Review**
> Chosen Option : **4**

Q.15 If $xcosA - ysinA = 1$ and $xsinA + ycosA = 4$, then the value of $17x^2 + 17y^2$ is:

Ans ✘ 1. 7

     ✘ 2. 49

     ✘ 3. 0

     ✔ 4. 289

> Question ID : **123568384**
> Status : **Answered**
> Chosen Option : **4**

Q.16 The average of the marks of 30 boys is 88, and when the top two scores were excluded, the average marks reduced to 87.5. If the top two scores differ by 2, then the highest mark is:

Ans ✘ 1. 90

     ✘ 2. 94

     ✘ 3. 92

     ✔ 4. 96

> Question ID : **123568367**
> Status : **Marked For Review**
> Chosen Option : **4**

Q.17 Two tangents PA and PB are drawn to a circle with centre O from an external point P. If ∠ OAB = 30°, then ∠ APB is:

Ans ✘ 1. 15°

     ✘ 2. 120°

     ✔ 3. 60°

     ✘ 4. 30°

> Question ID : **123568380**
> Status : **Answered**
> Chosen Option : **3**

Q.18 The population of a city increased by 30% in the first year and decreased by 15% in the next year. If the present population is 11,050 then the population 2 years ago was:

Ans

✗ 1. 10,050

✗ 2. 99,000

✗ 3. 99,500

✔ 4. 10,000

Question ID : **123568369**
Status : **Answered**
Chosen Option : **4**

Q.19 If $3^a = 27^b = 81^c$ and $abc = 144$, then the value of $12\left(\frac{1}{a} + \frac{1}{2b} + \frac{1}{5c}\right)$ is:

Ans

✗ 1. $\dfrac{18}{120}$

✗ 2. $\dfrac{18}{10}$

✔ 3. $\dfrac{33}{10}$

✗ 4. $\dfrac{17}{120}$

Question ID : **123568377**
Status : **Not Answered**
Chosen Option : **--**

Q.20 What will be the difference in compound interest on a sum of ₹7,800 at 8% for 1 year, when the interest is paid yearly and half yearly?

Ans

✗ 1. ₹19.46

✗ 2. ₹24.72

✔ 3. ₹12.48

✗ 4. ₹29.18

Question ID : **123568372**
Status : **Answered**
Chosen Option : **3**

Q.21 A circular disc of area $0.64\,\pi$ m^2 rolls down a length of 1.408 km. The number of revolutions it makes is:

(Take $\pi = \frac{22}{7}$)

Ans

✔ 1. 280

✗ 2. 360

✗ 3. 140

✗ 4. 180

Question ID : **123568379**
Status : **Answered**
Chosen Option : **1**

Q.22 Solve the following.

$$\frac{\sin 40^o}{\cos 50^o} + \frac{\operatorname{cosec} 50^o}{\sec 40^o} - 4\cos 50^o \operatorname{cosec} 40^o$$

Ans ✗ 1. 2

✗ 2. −1

✗ 3. 1

✔ 4. −2

Question ID : **123568385**
Status : **Answered**
Chosen Option : **4**

Q.23 ABC is an equilateral triangle. P, Q and R are the midpoints of sides AB, BC and CA, respectively. If the length of the side of the triangle ABC is 8 cm, then the area of ΔPQR is:

Ans ✗ 1. $\frac{\sqrt{3}}{4}$ cm²

✗ 2. $8\sqrt{3}$ cm²

✔ 3. $4\sqrt{3}$ cm²

✗ 4. $\frac{\sqrt{3}}{3}$ cm²

Question ID : **123568381**
Status : **Answered**
Chosen Option : **3**

Q.24 A student takes 1.25 hours to travel from home to school at a speed of 4 km/h. By what percentage should he increase his speed to reduce the time by 25% to cover the same distance from school to home?

Ans ✔ 1. $33\frac{1}{3}$%

✗ 2. 25%

✗ 3. 50%

✗ 4. 45%

Question ID : **123568374**
Status : **Answered**
Chosen Option : **1**

Q.25 If $(2\sin A + \operatorname{cosec} A) = 2\sqrt{2}$, $0^\circ < A < 90^\circ$, then the value of $2(\sin^4 A + \cos^4 A)$ is:

Ans ✗ 1. 0

✗ 2. 2

✔ 3. 1

✗ 4. 4

Question ID : **123568383**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 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.

We came back because <u>we had ran</u> out of money.

Ans ✗ 1. we run

✗ 2. we have ran

✗ 3. No improvement

✔ 4. we had run

Question ID : **123568394**
Status : **Answered**
Chosen Option : **4**

Q.2 Select the option that can be used as a one-word substitute for the given group of words/phrase.

Having two opposing feelings at the same time

Ans ✗ 1. Coinciding

✗ 2. Contemporary

✗ 3. Equivalent

✔ 4. Ambivalent

Question ID : **123568411**
Status : **Answered**
Chosen Option : **4**

Q.3 Select the correct indirect form of the given sentence.

"What a rare flower!" she said.

Ans ✔ 1. She exclaimed that it was a very rare flower.

✗ 2. She exclaimed what a rare flower it is.

✗ 3. She asked if it was a rare flower.

✗ 4. She told that what a rare flower it was.

Question ID : **123568393**
Status : **Answered**
Chosen Option : **1**

Q.4 Select the correct passive form of the given sentence.

The farmer is ploughing the fields.

Ans ✗ 1. The fields were ploughed by the farmer.

✗ 2. The fields are ploughed by the farmer.

✔ 3. The fields are being ploughed by the farmer.

✗ 4. The fields have been ploughed by the farmer.

Question ID : **123568392**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the most appropriate ANTONYM of the given word.

Persist

Ans ✖ 1. Remain

✖ 2. Continue

✔ 3. Cease

✖ 4. Insist

Question ID : **123568407**
Status : **Marked For Review**
Chosen Option : **3**

Q.6 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Those who are late they will not be allowed inside the classroom.

Ans ✖ 1. No error

✖ 2. inside the classroom

✖ 3. Those who are late

✔ 4. they will not be allowed

Question ID : **123568390**
Status : **Answered**
Chosen Option : **4**

Comprehension:

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

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1)_____ to hold it for Atlas while the latter went looking (2)_____ golden apples. When Atlas returned, he saw Hercules (3)_____ hard to hold the sky. The weight of the sky (4)_____ Hercules sweat and groan. Now Atlas did not want to (5)_____ a job as arduous as that!

SubQuestion No : 7

Q.7 Select the most appropriate option to fill in blank 1.

Ans ✖ 1. ordered

✖ 2. extended

✖ 3. afforded

✔ 4. offered

Question ID : **123568397**
Status : **Answered**
Chosen Option : **4**

Comprehension:

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

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1)_____ to hold it for Atlas while the latter went looking (2)_____ golden apples. When Atlas returned, he saw Hercules (3)_____ hard to hold the sky. The weight of the sky (4)_____ Hercules sweat and groan. Now Atlas did not want to (5)_____ a job as arduous as that!

SubQuestion No : 8

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

Ans ✔ 1. for

✘ 2. at

✘ 3. on

✘ 4. after

Question ID : **123568398**
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.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1)_____ to hold it for Atlas while the latter went looking (2)_____ golden apples. When Atlas returned, he saw Hercules (3)_____ hard to hold the sky. The weight of the sky (4)_____ Hercules sweat and groan. Now Atlas did not want to (5)_____ a job as arduous as that!

SubQuestion No : 9

Q.9 **Select the most appropriate option to fill in blank 3.**

Ans ✘ 1. seeking

✘ 2. coping

✔ 3. struggling

✘ 4. tackling

Question ID : **123568399**
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.

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1)_____ to hold it for Atlas while the latter went looking (2)_____ golden apples. When Atlas returned, he saw Hercules (3)_____ hard to hold the sky. The weight of the sky (4)_____ Hercules sweat and groan. Now Atlas did not want to (5)_____ a job as arduous as that!

SubQuestion No : 10

Q.10 **Select the most appropriate option to fill in blank 4.**

Ans ✘ 1. make

✘ 2. has made

✘ 3. were making

✔ 4. was making

Question ID : **123568400**
Status : **Answered**
Chosen Option : **4**

Comprehension:

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

Atlas was made to hold the sky up on his shoulders as a punishment. Once, Hercules (1)_____ to hold it for Atlas while the latter went looking (2)_____ golden apples. When Atlas returned, he saw Hercules (3)_____ hard to hold the sky. The weight of the sky (4)_____ Hercules sweat and groan. Now Atlas did not want to (5)_____ a job as arduous as that!

SubQuestion No : 11

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

Ans ✗ 1. take out

✗ 2. take away

✗ 3. take in

✔ 4. take back

Question ID : **123568401**

Status : **Marked For Review**

Chosen Option : **3**

Q.12 Select the most appropriate synonym of the given word.

Ovation

Ans ✗ 1. Preparation

✔ 2. Applause

✗ 3. Censure

✗ 4. Creation

Question ID : **123568405**

Status : **Answered**

Chosen Option : **2**

Q.13 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.

When it started raining, I ran to the nearer house for shelter.

Ans ✗ 1. No improvement

✗ 2. a near house

✗ 3. the near house

✔ 4. the nearest house

Question ID : **123568395**

Status : **Answered**

Chosen Option : **4**

Q.14 Select the option that can be used as a one-word substitute for the given group of words/phrase.

A group of ships

Ans ✗ 1. swarm

✗ 2. squad

✗ 3. colony

✔ 4. fleet

Question ID : **123568410**

Status : **Answered**

Chosen Option : **4**

Q.15 Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

A. The mountain range was covered with snow.
B. Napoleon had to cross the Alps in winter.
C. Napoleon replied that the word 'impossible' did not exist for him.
D. So, someone told Napoleon that the task was impossible.

Ans ✗ 1. ADBC

✗ 2. BDCA

✗ 3. DBCA

✔ 4. BADC

Question ID : **123568402**
Status : **Answered**
Chosen Option : **4**

Q.16 Select the most appropriate ANTONYM of the given word.

Glee

Ans ✗ 1. Fun

✗ 2. Joy

✗ 3. Bliss

✔ 4. Woe

Question ID : **123568406**
Status : **Answered**
Chosen Option : **4**

Q.17 Select the INCORRECTLY spelt word.

Ans ✗ 1. Acquisition

✔ 2. Acquaintence

✗ 3. Abandon

✗ 4. Alliance

Question ID : **123568413**
Status : **Answered**
Chosen Option : **2**

Q.18 Select the most appropriate synonym of the given word.

Preferred

Ans ✗ 1. Adored

✗ 2. Feared

✔ 3. Favoured

✗ 4. Compared

Question ID : **123568404**
Status : **Marked For Review**
Chosen Option : **3**

Q.19 Select the wrongly spelt word.

Ans ✔ 1. Sieze

✘ 2. Fierce

✘ 3. Piece

✘ 4. Grief

Question ID : **123568412**
Status : **Answered**
Chosen Option : **1**

Q.20 Select the most appropriate option to fill in the blank.

The roof of the old building _____ during the storm.

Ans ✘ 1. demolished

✘ 2. destroyed

✔ 3. collapsed

✘ 4. scratched

Question ID : **123568414**
Status : **Answered**
Chosen Option : **3**

Q.21 Identify the segment in the sentence which contains the grammatical error. If there is no error, select 'No error'

Everyone except she have travelled by air.

Ans ✘ 1. travelled by air

✘ 2. No error

✔ 3. she have

✘ 4. Everyone except

Question ID : **123568391**
Status : **Answered**
Chosen Option : **3**

Q.22 Select the most appropriate meaning of the given idiom.

By and by

Ans ✘ 1. By any means

✔ 2. Gradually

✘ 3. On the whole

✘ 4. Suddenly

Question ID : **123568408**
Status : **Answered**
Chosen Option : **3**

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

A. Much of this war had taken place along the Western Front.
B. Both sides had dug in deep and each lost many men over little ground.
C. This front was a line of trenches across which the two sides faced each other.
D. Andre Maginot had fought a war with the French against the Germans.

Ans   ✗ 1. DBCA

✔ 2. DACB

✗ 3. ACDB

✗ 4. BCDA

Question ID : **123568403**
Status : **Answered**
Chosen Option : **2**

Q.24 Select the most appropriate meaning of the given idiom.

Chicken-hearted

Ans   ✗ 1. Generous

✗ 2. Miserly

✔ 3. Cowardly

✗ 4. Selfish

Question ID : **123568409**
Status : **Answered**
Chosen Option : **3**

Q.25 Select the most appropriate option to fill in the blank.

She _____ how the magician had performed the rope trick.

Ans   ✔ 1. wondered

✗ 2. puzzled

✗ 3. suspected

✗ 4. bewildered

Question ID : **123568415**
Status : **Answered**
Chosen Option : **1**