Combined Graduate Level Examination 2020 Tier-I

| Roll Number	Join YouTube Channel	
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Venue Name	i-Tech Zone	
Exam Date	16/08/2021	
Exam Time	3:00 PM - 4:00 PM	
Subject	Combined Graduate Level Examination 2020 Tier 1	

Section : **General Intelligence and Reasoning**

Q.1 The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?
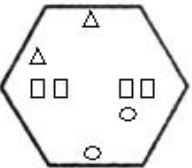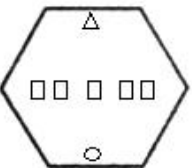

Ans
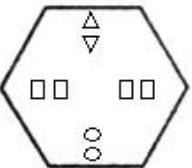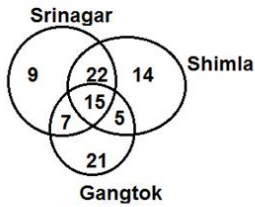
✔ 1.

✘ 2.

✘ 3.

✘ 4.
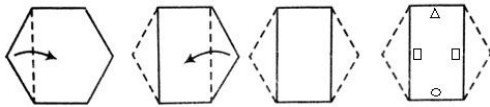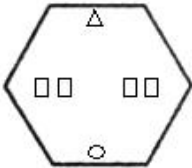
Question ID : **81616114144**
Status : **Answered**
Chosen Option : **1**

Q.2 The following Venn diagram shows the number of families who have visited three different places (Srinagar, Shimla, Gangtok).

What is the number of families who have visited at least two of the places out of Srinagar, Shimla and Gangtok?

Ans ✗ 1. 15

✗ 2. 27

✗ 3. 34

✓ 4. 49

Question ID : **81616112428**

Status : **Answered**

Chosen Option : **3**

Q.3 Select the number from among the given options that can replace the question mark (?) in the following series.

37, 52, 74, 104, 143, ?

Ans ✗ 1. 176

✗ 2. 168

✗ 3. 202

✓ 4. 192

Question ID : **81616113930**

Status : **Answered**

Chosen Option : **4**

Q.4 Select the option that is related to the third number in the same way as the second number is related to the first number.

21 : 445 : : 24 : ?

Ans ✗ 1. 495

✗ 2. 505

✗ 3. 523

✓ 4. 580

Question ID : **81616112416**

Status : **Answered**

Chosen Option : **4**

Q.5 Select the correct combination of mathematical signs that can sequentially replace the
* signs and balance the equation.

36 * 14 * 63 * 9 * 11 * (6 * 3) * 90

Ans ✗ 1. +, -, ÷, ×, =, -, +

✓ 2. -, +, ÷, ×, -, +, =

✗ 3. -, +, ×, ÷, -, +, =

✗ 4. -, +, ÷, ×, =, -, +

Question ID : **81616112824**

Status : **Answered**

Chosen Option : **2**

Q.6 In a certain code language, 'AND' is written as 'C-LP-F' and 'NOR' is coded as 'P-MQ-
T'. How will 'BUT' be written in that language?

Ans ✗ 1. C-SU-V

✓ 2. D-SW-V

✗ 3. C-TV-W

✗ 4. D-SW-U

Question ID : **81616112410**

Status : **Answered**

Chosen Option : **2**

Q.7 Select the option that is related to the third word in the same way as the second word
is related to the first word.

Awful : Nice : : Nomadic : ?

Ans ✗ 1. Nocturnal

✗ 2. Careless

✗ 3. Homeless

✓ 4. Settled

Question ID : **81616113923**

Status : **Answered**

Chosen Option : **4**

Q.8 Pointing to the photograph of a girl, Raghav said, "She is my father's mother's
daughter's only brother's daughter". How is Raghav's father related to that girl's
mother?

Ans ✗ 1. Maternal uncle

✗ 2. Son

✓ 3. Husband

✗ 4. Father

Question ID : **81616114130**

Status : **Answered**

Chosen Option : **3**

Q.9 Select the option in which the words share the same relationship as that shared by the given pair of words.

Dentist : Hospital

Ans ✗ 1. Engineer : Design

✗ 2. Doctor : Treatment

✓ 3. Professor : University

✗ 4. Criminal : Police Station

> Question ID : **81616114126**
> Status : **Answered**
> Chosen Option : **3**

Q.10 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BOARD, BOARW, BOAIW, ?, BLZIW, YLZIW

Ans ✓ 1. BOZIW

✗ 2. BOZRW

✗ 3. BOAIW

✗ 4. BLZRW

> Question ID : **81616114121**
> Status : **Answered**
> Chosen Option : **2**

Q.11 A cube is made by folding the given sheet. In the cube so formed, what would be the letter on the face opposite the face showing the letter 'A'?

```
    A
O   V
    I
    U   E
```
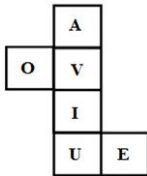
Ans ✓ 1. **I**

✗ 2. **E**

✗ 3. **V**

✗ 4. **U**

> Question ID : **81616112828**
> Status : **Answered**
> Chosen Option : **1**

Q.12 When number X multiplied to its next number, the product 1260 is obtained. When Number X is added to Number Y, a total of 106 is obtained. Find the value of Number Y. (Assume numbers to be positive)

Ans ✗ 1. 77

✓ 2. 71

✗ 3. 87

✗ 4. 61

Question ID : **81616114138**

Status : **Answered**

Chosen Option : **2**

Q.13 Select the figure from among the given options that can replace the question mark (?) in the following series.

Ans

✗ 1.

✓ 2.

✗ 3.

✗ 4.
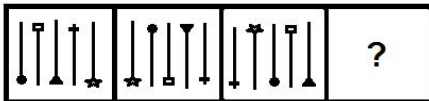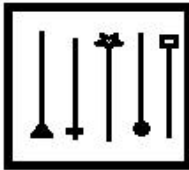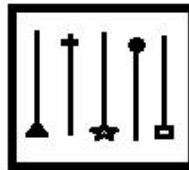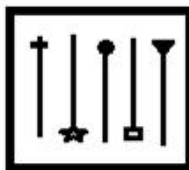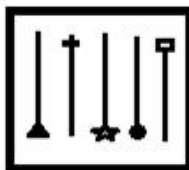
Question ID : **81616113937**

Status : **Answered**

Chosen Option : **2**

Q.14 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:
All dancers are talented.
Some girls are dancers.

Conclusions:
I. Some girls are talented.
II. All talented are girls.
III. All girls are talented.

Ans ✗ 1. Only conclusion III follows

✗ 2. Only conclusion II follows

✓ 3. Only conclusion I follows

✗ 4. Both conclusions I and II follow

Question ID : **81616112414**

Status : **Answered**

Chosen Option : **3**

Q.15 Find the number of triangles in the given figure.
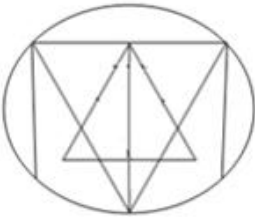
Ans ✗ 1. 19

✗ 2. 13

✗ 3. 17

✓ 4. 15

Question ID : **81616112827**

Status : **Answered**

Chosen Option : **4**

Q.16 Select the correct mirror image of the given combination when the mirror is placed at MN as shown.

M v t k r d f |

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

Question ID : **81616114143**

Status : **Answered**

Chosen Option : **3**

Q.17 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Success
2. Surreal
3. Succumb
4. Suction
5. Surrogate
6. Surprise

Ans ✓ 1. 1, 3, 4, 6, 2, 5

✗ 2. 1, 3, 4, 6, 5, 2

✗ 3. 1, 3, 6, 4, 2, 5

✗ 4. 1, 4, 3, 6, 2, 5

Question ID : **81616113920**

Status : **Answered**

Chosen Option : **1**

Q.18 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(16, 12, 32)

Ans ✗ 1. (56, 24, 68)

✓ 2. (36, 27, 77)

✗ 3. (76, 57, 176)

✗ 4. (20, 15, 42)

Question ID : **81616112823**

Status : **Not Answered**

Chosen Option : **--**

Q.19 In a certain code language, 'SAFETY' is coded as '95' and 'EXPAND' is coded as '87'.
How will 'GATHER' be coded in that language?

Ans ✗ 1. 84

✓ 2. 86

✗ 3. 88

✗ 4. 90

Question ID : **81616112815**

Status : **Not Answered**

Chosen Option : **--**

Q.20 Four words have been given, out of which three are alike in some manner and one is
different. Select the word that is different.

Ans ✗ 1. Lethargic

✗ 2. Sluggish

✓ 3. Vivacious

✗ 4. Passive

Question ID : **81616112811**

Status : **Answered**

Chosen Option : **3**

Q.21 Select the combination of letters that when sequentially placed in the blanks of the
given series will complete the series.

b _ c e _ k b _ c _ f k b b _ e f _ b b c _ f k

Ans ✗ 1. b, f, b, e, c, e, k

✗ 2. b, e, b, f, c, k, e

✓ 3. b, f, b, e, c, k, e

✗ 4. b, f, b, c, e, k, e

Question ID : **81616114129**

Status : **Answered**

Chosen Option : **3**

Q.22 Select the option in which the numbers are NOT related in the same way as are the
numbers of the following set.

(7, 21, 49)

Ans ✓ 1. (9, 27, 72)

✗ 2. (8, 24, 64)

✗ 3. (5, 15, 25)

✗ 4. (6, 18, 36)

Question ID : **81616112418**

Status : **Answered**

Chosen Option : **3**

Q.23 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

Ans ✗ 1. QTWZ

✗ 2. XADG

✗ 3. BEHK

✓ 4. NPSV

> Question ID : **81616113921**
> Status : **Answered**
> Chosen Option : **4**

Q.24 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

✓ 3.

✗ 4.

> Question ID : **81616114142**
> Status : **Answered**
> Chosen Option : **3**

Q.25 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.

Ans ✗ 1. 5237 : 4003

✗ 2. 3527 : 2293

✗ 3. 2347 : 1113

✓ 4. 4327 : 2003

> Question ID : **81616112821**
> Status : **Not Answered**
> Chosen Option : **--**

Section : **General Awareness**

Q.1 **Which of the following states won the National Award for Best Electoral Practices 2020?**

Ans ✗ 1. Kerala

✗ 2. Mizoram

✓ 3. Meghalaya

✗ 4. Karnataka

Question ID : **81616114169**

Status : **Answered**

Chosen Option : **1**

Q.2 **Who among the following is an Indian Paralympic swimmer?**

Ans ✓ 1. Sharath M Gayakwad

✗ 2. Gaurav Khanna

✗ 3. Pramod Bhagat

✗ 4. Sukant Kadam

Question ID : **81616112450**

Status : **Not Answered**

Chosen Option : **--**

Q.3 **In which of the following years did the revolt in the countryside of the Bombay Deccan occur?**

Ans ✗ 1. 1890

✓ 2. 1875

✗ 3. 1905

✗ 4. 1790

Question ID : **81616112846**

Status : **Answered**

Chosen Option : **3**

Q.4 **What do you call the effect of splitting of a spectral line into several components in the presence of a static magnetic field?**

Ans ✗ 1. Askaryan effect

✗ 2. Domino effect

✗ 3. Bezold effect

✓ 4. Zeeman effect

Question ID : **81616112433**

Status : **Answered**

Chosen Option : **4**

Q.5 As of 2020, which among the following is a permanent member at United Nations Security Council?

Ans ✅ 1. China

❌ 2. Brazil

❌ 3. Germany

❌ 4. Japan

Question ID : **81616113966**

Status : **Answered**

Chosen Option : **1**

Q.6 As of 26th January 2021, who is the Lok Sabha Speaker?

Ans ❌ 1. Rajnath Singh

✅ 2. Om Birla

❌ 3. JP Nadda

❌ 4. Nitin Gadkari

Question ID : **81616113960**

Status : **Answered**

Chosen Option : **2**

Q.7 What is the abbreviated form of the IPL franchise cricket team from Chennai?

Ans ✅ 1. CSK

❌ 2. GCW

❌ 3. CA

❌ 4. CL

Question ID : **81616113964**

Status : **Answered**

Chosen Option : **1**

Q.8 'Swasthya Sathi' scheme is the health insurance scheme that covers the entire population of which of the following states?

Ans ❌ 1. Meghalaya

✅ 2. West Bengal

❌ 3. Assam

❌ 4. Bihar

Question ID : **81616112839**

Status : **Answered**

Chosen Option : **2**

Q.9 When is the statehood day of Tripura observed?

Ans ❌ 1. 3 October

✅ 2. 21 January

❌ 3. 12 March

❌ 4. 21 February

Question ID : **81616112851**

Status : **Answered**

Chosen Option : **1**

Q.10 Article 21A of the Constitution of India provides Right to _____.

Ans ✗ 1. Equality

✗ 2. Work

✓ 3. Education

✗ 4. Privacy

Question ID : **81616114165**

Status : **Answered**

Chosen Option : **4**

Q.11 In which of the following states is Anchar Lake located?

Ans ✓ 1. Jammu and Kashmir

✗ 2. Bihar

✗ 3. Meghalaya

✗ 4. Assam

Question ID : **81616112842**

Status : **Not Answered**

Chosen Option : **--**

Q.12 Topaz is a _____ of fluorine and aluminium.

Ans ✗ 1. carbonate

✗ 2. sulphate

✗ 3. phosphate

✓ 4. silicate

Question ID : **81616113955**

Status : **Answered**

Chosen Option : **4**

Q.13 Which of the following states topped the second edition of the Indian Innovation Index
released by NITI Aayog in January 2021?

Ans ✗ 1. Punjab

✗ 2. Andhra Pradesh

✗ 3. Tamil Nadu

✓ 4. Karnataka

Question ID : **81616112836**

Status : **Answered**

Chosen Option : **3**

Q.14 'Jadopatiya' is a form of _____ popular in the state of Jharkhand.

Ans ✓ 1. painting

✗ 2. sculpture

✗ 3. dance

✗ 4. music

Question ID : **81616112429**

Status : **Not Answered**

Chosen Option : **--**

Q.15 Which of the following state governments launched the long-awaited policy of manufactured sand in January 2021?

Ans ✗ 1. Maharashtra

✗ 2. Madhya Pradesh

✗ 3. Gujarat

✓ 4. Rajasthan

Question ID : **81616113968**

Status : **Not Answered**

Chosen Option : **--**

Q.16 Who among the following was one of the leaders who was instrumental in convincing Mahatma Gandhi about the need to start a non-cooperation movement in support of The Khilafat?

Ans ✗ 1. Maulana Abul Kalam Azad

✗ 2. Abdul Ghaffar Khan

✓ 3. Shaukat Ali

✗ 4. Mohammad Ali Jinnah

Question ID : **81616114160**

Status : **Answered**

Chosen Option : **2**

Q.17 Which of the following organs secretes hydrochloric acid that helps our body in killing pathogenic bacteria?

Ans ✗ 1. Heart

✓ 2. Stomach

✗ 3. Kidney

✗ 4. Brain

Question ID : **81616112436**

Status : **Answered**

Chosen Option : **2**

Q.18 SHG promotes thrift in small proportion by a minimum contribution from each member of the group. What does 'H' stand for in SHG?

Ans ✗ 1. Harvest

✗ 2. Heavy

✓ 3. Help

✗ 4. Habitat

Question ID : **81616114148**

Status : **Answered**

Chosen Option : **3**

Q.19 Which of the following is NOT in Karnataka?

Ans ✗ 1. Mysore Palace

✗ 2. Bannerghatta National Park

✗ 3. Hampi

✓ 4. Duduma Waterfall

Question ID : **81616114156**

Status : **Answered**

Chosen Option : **4**

Q.20 Who among the following laid the foundations of the Indian National Movement by founding the Indian Association at Calcutta in 1876?

Ans ✗ 1. Womesh Chandra Banerjee

✗ 2. Dadabhai Naoroji

✓ 3. Surendranath Banerjee

✗ 4. Aurobindo Ghose

Question ID : **81616112444**

Status : **Answered**

Chosen Option : **3**

Q.21 Who among the following won the 'Indian Personality of the Year Award' during the 51st International Film Festival?

Ans ✗ 1. Asha Bhosle

✗ 2. Shabana Azmi

✓ 3. Biswajit Chatterjee

✗ 4. Amitabh Bachchan

Question ID : **81616114163**

Status : **Answered**

Chosen Option : **3**

Q.22 In which of the following states was the International Paragliding Festival organised by the Adventure Sports and Sustainable Tourism Academy (ASSTA) in 2020?

Ans ✗ 1. Assam

✗ 2. Uttarakhand

✗ 3. Tripura

✓ 4. Kerala

Question ID : **81616112834**

Status : **Answered**

Chosen Option : **1**

Q.23 Who among the following rulers is called the 'Napolean of India'?

Ans ✗ 1. Chandragupta I

✗ 2. Bindusara

✗ 3. Ashoka

✓ 4. Samudragupta

Question ID : **81616112441**

Status : **Answered**

Chosen Option : **4**

Q.24 In the periodic table, the highly electronegative halogens and the highly electropositive alkali metals are separated by:

Ans ✗ 1. Rare earth elements

✗ 2. Noble metals

✗ 3. Alkaline earth metals

✓ 4. Noble gases

Question ID : **81616114154**

Status : **Not Answered**

Chosen Option : **--**

Q.25 Deserts, rain forests, coral reefs and mangroves are features of _____ diversity.

Ans ✗ 1. genetic

✗ 2. cultural

✗ 3. species

✓ 4. ecological

Question ID : **81616113949**

Status : **Answered**

Chosen Option : **4**

Section : **Quantitative Aptitude**

Q.1 The value of $4(\sin^4 30° + \cos^4 30°) - 3(\sin^2 45° - 2\cos^2 45°)$ is:

Ans ✗ 1. 0

✗ 2. 2

✗ 3. 1

✓ 4. 4

Question ID : **81616114190**

Status : **Answered**

Chosen Option : **4**

Q.2 Samir and Puneet can complete the same work in 10 days and 15 days respectively. The work was assigned for ₹4500.
After working together for 3 days Samir and Puneet involved Ashok. The work was completed in total 5 days. What
amount (in ₹) was paid to Ashok?

Ans ✖ 1. 1071

✔ 2. 750

✖ 3. 800

✖ 4. 1500

Question ID : **81616112866**

Status : **Not Answered**

Chosen Option : **--**

Q.3 Fourth proportion to 12, 18, and 6 is same as the third proportion to k and 6. What is the value of k?

Ans ✖ 1. 13.5

✖ 2. 3

✖ 3. $3\sqrt{6}$

✔ 4. 4

Question ID : **81616112460**

Status : **Not Answered**

Chosen Option : **--**

Q.4 The given bar graph shows the imports and exports (in crore ₹) of steel for 5 years from 2014 to 2018.
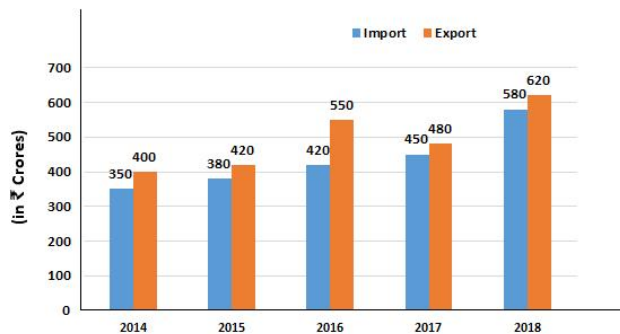
What is the ratio of average export to average import over the five years?

Ans ✖ 1. 218 : 247

✔ 2. 247 : 218

✖ 3. 247 : 109

✖ 4. 109 : 247

Question ID : **81616113587**

Status : **Answered**

Chosen Option : **2**

Q.5 In $\triangle$ ABC, DE || AB, where D and E are the points on sides AC and BC, respectively. If AD = $x - 3$, AC = $2x$, BE = $x - 2$ and BC = $2x + 3$, then what is the value of x ?

Ans

✗ 1. 10

✗ 2. 12

✓ 3. 9

✗ 4. 8

Question ID : **81616113985**

Status : **Answered**

Chosen Option : **3**

Q.6 The value of $25 \div 15 \; of \; 4 \times [4 \div 5 \times (9 - 7)] - (20 \div 5 \; of \; 9)$ is:

Ans

✓ 1. $\dfrac{2}{9}$

✗ 2. $\dfrac{2}{3}$

✗ 3. $\dfrac{4}{9}$

✗ 4. $\dfrac{1}{3}$

Question ID : **81616113970**

Status : **Answered**

Chosen Option : **1**

Q.7 A certain sum amounts to ₹291600 in 2 years and to ₹314928 in 3 years on compound interest compounded annually. How much will be the simple interest (in ₹) on ₹40000 at the same rate for 2 years?

Ans ✗ 1. 8000

✓ 2. 6400

✗ 3. 7500

✗ 4. 9600

Question ID : **81616112865**

Status : **Answered**

Chosen Option : **2**

Q.8 A boat goes 27 km upstream and 33 km downstream in 6 hours. In the same time it can go 36 km upstream and 22 km downstream. How much time will it take to go 36 km upstream and 44 km downstream?

Ans ✗ 1. 8 h 10 m

✗ 2. 8 h 30 m

✗ 3. 7 h 50 m

✓ 4. 8 h

Question ID : **81616112463**

Status : **Answered**

Chosen Option : **4**

Q.9 The average height of some students in a group is 156 cm. If 5 students of average height 160 cm join the group, then the average height of all the students in the group increases by 0.8 cm. What is the number of students in the group, initially?

Ans   ✗ 1. 25

✗ 2. 15

✔ 3. 20

✗ 4. 10

Question ID : **81616114173**

Status : **Answered**

Chosen Option : **3**

Q.10 A trader bought two articles for ₹490. He sold one at a loss of 20% and the other at a profit of 16%. If the selling price of both articles is same, then the cost price (in ₹) of the article sold at 20% loss is:

Ans   ✗ 1. 310

✗ 2. 300

✔ 3. 290

✗ 4. 280

Question ID : **81616113974**

Status : **Answered**

Chosen Option : **3**

Q.11 The value of $\dfrac{tan^2 30° + sin^2 90° + cot^2 60° + sin^2 30° \, cos^2 45°}{sin60° \, cos30° - cos60° \, sin30°}$ is:

Ans   ✗ 1. $\dfrac{47}{12}$

✗ 2. $\dfrac{25}{12}$

✔ 3. $\dfrac{43}{12}$

✗ 4. $\dfrac{37}{12}$

Question ID : **81616113181**

Status : **Answered**

Chosen Option : **3**

Q.12 If $p - 2q = 3$ and $pq = 5$, then what is the value of $(p^3 - 8q^3)$?

Ans   ✗ 1. 27

✗ 2. -63

✗ 3. 72

✔ 4. 117

Question ID : **81616112466**

Status : **Answered**

Chosen Option : **4**

Q.13 In a factory, there are 39 workers who have been categorised into five groups (A, B, C, D, E) on the basis of the range of their daily wages (in multiples of ₹100). It is ensured that the daily wage of no worker is an exact multiple of ₹100. The distribution is presented through the given histogram.
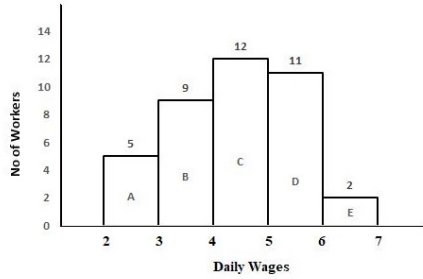
If two Managers are engaged to supervise the workers, with daily wages ranging between ₹700 and ₹800, then what will be the average daily wage (nearest to a ₹) of all members of staff of the factory?

Ans
✗ 1. ₹467

✗ 2. ₹400

✗ 3. ₹445

✔ 4. ₹455

Question ID : **81616113589**

Status : **Not Answered**

Chosen Option : **--**

Q.14 △ ABC is incribed in a circle with center O, such that ∠ ACB = 115 ° . O is joined to A. What is the measure of ∠ OAB?

Ans
✗ 1. 20°

✗ 2. 35°

✔ 3. 25°

✗ 4. 30°

Question ID : **81616114185**

Status : **Not Answered**

Chosen Option : **--**

Q.15 If $x + y = 2$ and $\frac{1}{x} + \frac{1}{y} = \frac{18}{5}$, then the value of $(x^3 + y^3)$ is:

Ans
✔ 1. $4\frac{2}{3}$

✗ 2. $3\frac{1}{3}$

✗ 3. $4\frac{3}{5}$

✗ 4. $3\frac{1}{5}$

Question ID : **81616113980**

Status : **Answered**

Chosen Option : **1**

Q.16 The area of a square shaped field is 1764 m^2. The breadth of a rectangular park is $\frac{1}{3}rd$ the side of the square field and its length is two times its breadth. What is the cost (in ₹) of levelling the park at ₹15 per m^2 ?

Ans ✗ 1. 4200

✓ 2. 5880

✗ 3. 4320

✗ 4. 4290

Question ID : **81616114181**

Status : **Answered**

Chosen Option : **2**

Q.17 If $x^2 + 4y^2 = 53$ and $x - 2y = 5$, then what is the value of $x^3 - 8y^3$?

Ans ✗ 1. 85

✗ 2. 155

✗ 3. -85

✓ 4. 335

Question ID : **81616112871**

Status : **Answered**

Chosen Option : **3**

Q.18 The following Bar Graph represents the Production of Fertilizers by Company A and Company B (in 10000 tonnes) Over the Years from 2005 to 2010. The X-axis represents the years, and the Y-axis represents the Production of Fertilizers (in 10000 tonnes).

(*Note: The data shown below is only for mathematical exercise. They do not represent the actual figures of the companies*)
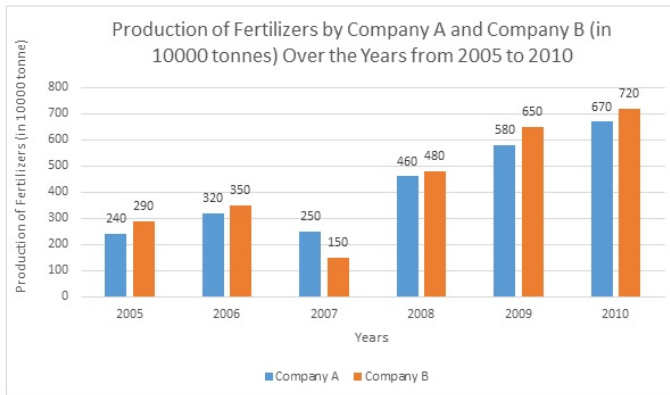
What is the average production (in 10000 tonnes) of fertilizers in 2008, 2009 and 2010 of Company A?

Ans ✗ 1. 600

✗ 2. 590

✗ 3. 620

✔ 4. 570

Question ID : **81616112374**

Status : **Answered**

Chosen Option : **4**

Q.19 If a number is first increased by 15%, then reduced by 15%, it results in 782. If the same number is first reduced by 25%, then increased by 25% and again reduced by 20%, then what will be the resulting number?

Ans ✔ 1. 600

✗ 2. 712

✗ 3. 750

✗ 4. 150

Question ID : **81616112862**

Status : **Answered**

Chosen Option : **1**

Q.20 The data given in the table shows the number of boys and girls enrolled in three different streams in a school over 5 years.

years	Arts		Science		Commerce	
	Boys	Girls	Boys	Girls	Boys	Girls
2012	48	36	40	35	35	45
2014	42	43	42	32	32	42
2016	45	42	38	30	36	38
2018	39	46	41	23	28	34
2020	36	43	39	30	39	41

By what percent is the total number of boys in Arts stream more than the total number of boys in Science stream in the years 2012 to 2020?

Ans ✗ 1. 0

✓ 2. 5

✗ 3. $2\frac{18}{41}$

✗ 4. $4\frac{16}{21}$

Question ID : **81616112376**

Status : **Not Answered**

Chosen Option : **--**

Q.21 In △ ABC, D is the mid-point of side AC and E is a point on side AB such that EC bisects BD at F. If AE = 30 cm, then the length of EB is:

Ans ✗ 1. 18 cm

✓ 2. 15 cm

✗ 3. 10 cm

✗ 4. 20 cm

Question ID : **81616114188**

Status : **Answered**

Chosen Option : **2**

Q.22 If $sin\left(\frac{2A+B}{2}\right) = cos\left(\frac{2A-B}{2}\right) = \frac{\sqrt{3}}{2}, 0° < \frac{2A+B}{2} < 90°$ and $0° < \frac{2A+B}{2} < 90°$ then find the value of $sin[3(A-B)]$.

Ans ✗ 1. 1

✓ 2. $\frac{1}{\sqrt{2}}$

✗ 3. $\frac{1}{2}$

✗ 4. $\frac{\sqrt{3}}{2}$

Question ID : **81616112876**

Status : **Answered**

Chosen Option : **2**

Q.23 Find the difference between squares of the greatest value and the smallest value of P if the number 5306P2 is divisible by 3.

Ans ✗ 1. 36

✓ 2. 60

✗ 3. 6

✗ 4. 68

Question ID : **81616112858**

Status : **Answered**

Chosen Option : **2**

Q.24 In a circle with centre O, AB and CD are two parallel chords on the same side of the diameter. If AB = 12 cm, CD = 18 cm and distance between the chords AB and CD is 3 cm, then find the radius of the circle (in cm).

Ans ✗ 1. 9

✓ 2. $3\sqrt{13}$

✗ 3. 15

✗ 4. 12

Question ID : **81616112873**

Status : **Not Answered**

Chosen Option : **--**

Q.25 A shopkeeper allows 16% discount on every item. Even after giving the discount, he makes a profit of 8%. If he gives 8% discount instead of 16% on an item marked for ₹1800, then what will be his profit percent? (correct to 2 decimal places)

Ans ✗ 1. 18.31

✗ 2. 19

✓ 3. 18.29

✗ 4. 18

Question ID : **81616112457**

Status : **Not Answered**

Chosen Option : **--**

Section : **English Comprehension**

Q.1 **Select the most appropriate synonym of the given word.**

Slack

Ans ✓ 1. Careless

✗ 2. Keen

✗ 3. Lively

✗ 4. Active

Question ID : **81616114211**

Status : **Answered**

Chosen Option : **1**

Q.2 **Select the most appropriate ANTONYM of the given word.**

Magnificent

Ans ✗ 1. Opulent

✗ 2. Grandiose

✗ 3. Mighty

✓ 4. Modest

Question ID : **81616112496**

Status : **Answered**

Chosen Option : **4**

Q.3 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.**

A. Whichever soonest made a traveller take off his cloak should be accounted the more powerful.
B. They agreed to put the point to test.
C. A dispute once arose between the wind and the sun to decide which was the stronger of the two.
D. The wind began, and blew with all his might and sent a blast, cold and fierce as a storm.

Ans ✓ 1. CBAD

✗ 2. ACDB

✗ 3. BCDA

✗ 4. CDBA

Question ID : **81616114006**

Status : **Answered**

Chosen Option : **1**

Q.4 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.**

A. I was shocked to find my house unlocked.
B. To my astonishment, I found that my son, who had a spare key, had come in my absence.
C. Last Sunday I returned home late at night.
D. I ran inside in fear that my house has been robbed.

Ans ✗ 1. CDAB

✗ 2. BCDA

✓ 3. CADB

✗ 4. ABCD

Question ID : **81616112492**

Status : **Answered**

Chosen Option : **3**

Q.5 **Select the INCORRECTLY spelt word.**

Ans   ✗ 1. Boundary

    ✓ 2. Photgraph

    ✗ 3. Processing

    ✗ 4. Competency

> Question ID : **81616114016**
> Status : **Answered**
> Chosen Option : **4**

Q.6 **The following sentence has been divided into parts. One of them contains an error.**
Select the part that contains the error from the given options.

Raman putted the vegetables / in the frying pan / and after adding some water, / closed the lid.

Ans   ✗ 1. closed the lid

    ✓ 2. Raman putted the vegetables

    ✗ 3. and after adding some water

    ✗ 4. in the frying pan

> Question ID : **81616112884**
> Status : **Answered**
> Chosen Option : **2**

Q.7 **Select the option that expresses the given sentence in reported speech.**

"Is the door closed?" Alka asked Tarun.

Ans   ✗ 1. Alka asked Tarun whether she closed the door.

    ✗ 2. Alka asked Tarun is the door close.

    ✗ 3. Alka asked Tarun if the door is closed.

    ✓ 4. Alka asked Tarun whether the door was closed.

> Question ID : **81616114199**
> Status : **Answered**
> Chosen Option : **4**

Q.8 **Select the option that expresses the given sentence in passive voice.**

Help the needy people.

Ans   ✗ 1. Let the needy people being helped.

    ✓ 2. Let the needy people be helped.

    ✗ 3. The needy people are been helped.

    ✗ 4. The needy people are helping.

> Question ID : **81616112885**
> Status : **Answered**
> Chosen Option : **2**

Q.9 Select the most appropriate meaning of the given idiom.

At the eleventh hour

Ans ✗ 1. At 11:00 p.m.

✗ 2. One hour before midnight

✓ 3. At the very last minute

✗ 4. At 11:00 a.m.

Question ID : **81616112497**

Status : **Answered**

Chosen Option : **3**

Q.10 Select the INCORRECTLY spelt word.

Ans ✗ 1. Professional

✗ 2. Perpetuate

✓ 3. Dillemma

✗ 4. Electronics

Question ID : **81616114017**

Status : **Answered**

Chosen Option : **3**

Q.11 Select the option that can be used as a one-word substitute for the given group of words.

A group of stars

Ans ✗ 1. Astronomy

✗ 2. Planets

✗ 3. Congregation

✓ 4. Constellation

Question ID : **81616112904**

Status : **Answered**

Chosen Option : **4**

Q.12 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution required'.

I asked Rahul that how far was his office from his home.

Ans ✗ 1. No substitution required

✓ 2. how far his office was

✗ 3. then how far was his office

✗ 4. that how far his office is

Question ID : **81616112887**

Status : **Answered**

Chosen Option : **2**

Q.13 Select the option that can be used as a one-word substitute for the given group of words.

A place in a large institution, for the care of those who are ill

Ans ✗ 1. Dormitory

✗ 2. Hostel

✗ 3. Hangar

✓ 4. Infirmary

Question ID : **81616112903**

Status : **Answered**

Chosen Option : **4**

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

We _____ the marks of the students on different subjects and compared their performance for the year.

Ans ✗ 1. questioned

✓ 2. analysed

✗ 3. inspected

✗ 4. probed

Question ID : **81616114221**

Status : **Answered**

Chosen Option : **2**

Q.15 Select the most appropriate meaning of the given idiom.

A storm in a teacup

Ans ✗ 1. A sudden storm during teatime

✓ 2. Lot of fuss that will soon be forgotten

✗ 3. Unnecessary tension

✗ 4. Disarranging the cutlery

Question ID : **81616112498**

Status : **Answered**

Chosen Option : **3**

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

Hazard

Ans ✓ 1. Safety

✗ 2. Peril

✗ 3. Gamble

✗ 4. Risk

Question ID : **81616114010**

Status : **Answered**

Chosen Option : **1**

Q.17 The following sentence has been divided into parts. One of them contains an error.
Select the part that contains the error from the given options.

The recruiters / were pleased / to John's / domain knowledge and personality.

Ans   ✓ 1. to John's

   ✗ 2. domain knowledge and personality

   ✗ 3. were pleased

   ✗ 4. The recruiters

Question ID : **81616112479**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the most appropriate option to fill in the blank.

My New Year's _____ is to think positive always.

Ans   ✗ 1. repetition

   ✓ 2. resolution

   ✗ 3. confession

   ✗ 4. celebration

Question ID : **81616112907**
Status : **Answered**
Chosen Option : **2**

Q.19 Select the most appropriate synonym of the given word.

Adjust

Ans   ✓ 1. Adapt

   ✗ 2. Shift

   ✗ 3. Change

   ✗ 4. Move

Question ID : **81616114210**
Status : **Answered**
Chosen Option : **1**

Q.20 Select the option that will substitute the underlined part of the given sentence. In case
no substitution is needed, select 'No substitution required'.

Among applied sciences, medicine <u>is one which have given</u> man some power over
death.

Ans   ✗ 1. is the one which gave

   ✓ 2. is one which has given

   ✗ 3. No substitution required

   ✗ 4. are one which given

Question ID : **81616114201**
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.

"Everything in Bhutan is chemical-free, all fruits and vegetables are (1)_____ organically, so whatever you buy is (2)_____ farm produced as the (3)_____ of the population indulge in farming for (4)_____," says my taxi driver Karma Chime. "We use turmeric on wounds, also to dye (5)_____ and it is added extensively in our cooking. Also, many believe it is anti-cancer and can treat tumours.

SubQuestion No : 21

Q.21 Select the most appropriate option to fill in blank number 1.

Ans ✗ 1. grew

✗ 2. grow

✓ 3. grown

✗ 4. grows

Question ID : **81616114001**

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.

"Everything in Bhutan is chemical-free, all fruits and vegetables are (1)_____ organically, so whatever you buy is (2)_____ farm produced as the (3)_____ of the population indulge in farming for (4)_____," says my taxi driver Karma Chime. "We use turmeric on wounds, also to dye (5)_____ and it is added extensively in our cooking. Also, many believe it is anti-cancer and can treat tumours.

SubQuestion No : 22

Q.22 Select the most appropriate option to fill in blank number 2.

Ans ✗ 1. closely

✓ 2. locally

✗ 3. nearly

✗ 4. nearby

Question ID : **81616114002**

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.

"Everything in Bhutan is chemical-free, all fruits and vegetables are (1)_____ organically, so whatever you buy is (2)_____ farm produced as the (3)_____ of the population indulge in farming for (4)_____," says my taxi driver Karma Chime. "We use turmeric on wounds, also to dye (5)_____ and it is added extensively in our cooking. Also, many believe it is anti-cancer and can treat tumours.

SubQuestion No : 23

Q.23 **Select the most appropriate option to fill in blank number 3.**

Ans ✔ 1. majority

✖ 2. community

✖ 3. mass

✖ 4. common

Question ID : **81616114003**

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.

"Everything in Bhutan is chemical-free, all fruits and vegetables are (1)_____ organically, so whatever you buy is (2)_____ farm produced as the (3)_____ of the population indulge in farming for (4)_____," says my taxi driver Karma Chime. "We use turmeric on wounds, also to dye (5)_____ and it is added extensively in our cooking. Also, many believe it is anti-cancer and can treat tumours.

SubQuestion No : 24

Q.24 **Select the most appropriate option to fill in blank number 4.**

Ans ✖ 1. nutrition

✖ 2. provision

✔ 3. sustenance

✖ 4. conservation

Question ID : **81616114004**

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.

"Everything in Bhutan is chemical-free, all fruits and vegetables are (1)_____ organically, so whatever you buy is (2)_____ farm produced as the (3)_____ of the population indulge in farming for (4)_____," says my taxi driver Karma Chime. "We use turmeric on wounds, also to dye (5)_____ and it is added extensively in our cooking. Also, many believe it is anti-cancer and can treat tumours.

SubQuestion No : 25

Q.25 **Select the most appropriate option to fill in blank number 5.**

Ans ✗ 1. attires

✗ 2. fashions

✔ 3. garments

✗ 4. covering

Question ID : **81616114005**

Status : **Answered**

Chosen Option : **3**