

Combined Graduate Level Examination 2020 Tier-I

Roll Number	Join YouTube Channel
Venue Name	Yagyavalkya Institute of Technology
Exam Date	17/08/2021
Exam Time	12:00 PM - 1:00 PM
Subject	Combined Graduate Level Examination 2020 Tier 1

Candidate Name Join YouTube Channel

Section : General Intelligence and Reasoning

Q.1 Select the option in which the numbers are related in the same way as are the numbers of the following set.

(9, 21, 124)

Ans ☒ 1. (17, 37, 220)

☐ 2. (14, 58, 112)

☐ 3. (11, 64, 131)

☐ 4. (5, 16, 220)

Question ID : 81616112722

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.2 Gautam's present age is equal to 20% of his father's age 15 years ago, and Gaurav's (brother of Gautam) present age is 60% of his father's age 10 years ago. If the sum of Gautam's present age and Gaurav's present age is 31, then find their father's present age.

Ans ☐ 1. 40 years

☐ 2. 45 years

☒ 3. 50 years

☐ 4. 55 years

Question ID : 81616113128

Status : Answered

Chosen Option : 3

Q.3 Select the correct mirror image of the given combination when the mirror is placed at 'PQ' as shown.

PORTABLE 

Ans ☐ 1. BOKLVBE

☒ 2. EJBATROF

☐ 3. EJBATROF

☐ 4. BOKLVBE

Question ID : 81616113133

Status : Answered

Chosen Option : 2

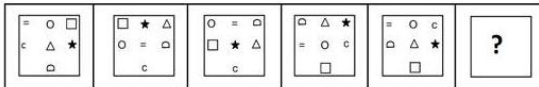
Q.4 Select the option that is related to the third word in the same way as the second word is related to the first word.

Dermatologist : Skin : Neonatologist : ?

- Ans**
- ☒ 1. Liver
 - ☒ 2. Hormones
 - ☒ 3. Immunity
 - ☒ 4. Infants

Question ID : **81616113620**
Status : **Answered**
Chosen Option : **4**

Q.5 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 : **81616113634**
Status : **Not Answered**
Chosen Option : --

Q.6 उस विकल्प का चयन कीजिए जिसके शब्दों के मध्य वही संबंध है, जो दिए गए शब्द-युग्म के शब्दों के मध्य है।

सहानुभूति : अनुरक्ति

- Ans**
- ☒ 1. उजाला : अंधेरा
 - ☒ 2. अहंकारी : विनम्र
 - ☒ 3. शांतचित्त : धीर
 - ☒ 4. सौम्य : रूक्ष

Question ID : **81616113116**
Status : **Not Answered**
Chosen Option : --

Q.7 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 follows from the statements.

Statements:

All camels are bats.

No bat is a parrot.

Some camels are lions.

Conclusions:

I. Some bats are lions.

II. No parrot is a camel.

III. No parrot is a lion.

- Ans**
- ☒ 1. Only conclusion I follows
 - ☒ 2. Both conclusions I and III follow
 - ☒ 3. Only conclusion II follows
 - ☒ 4. Both conclusions I and II follow

Question ID : 81616113424

Status : Answered

Chosen Option : 4

Q.8 Select the option figure in which the given figure is embedded (rotation is NOT allowed).

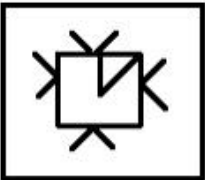


Ans

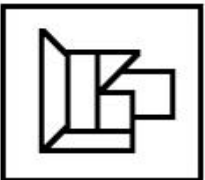
☒ 1.



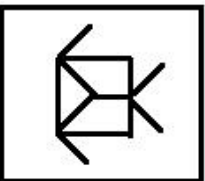
☒ 2.



☒ 3.



☒ 4.



Question ID : 81616113132

Status : Answered

Chosen Option : 1

Q.9 Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.

1. Ecology
2. Enormous
3. Electric
4. Exterior
5. Ecliptic

Ans ☒ 1. 1, 5, 2, 3, 4
☒ 2. 5, 1, 3, 2, 4
☒ 3. 5, 1, 2, 3, 4
☒ 4. 1, 5, 4, 3, 2

Question ID : 81616113617
Status : Answered
Chosen Option : 2

Q.10 स्टेडियम में एक खिलाड़ी की ओर संकेत करते हुए संजना ने कहा, "वह मेरी दादी के इकलौते बेटे के इकलौते दामाद का इकलौता बेटा है।" उस खिलाड़ी के पिता का संजना से क्या संबंध है?

Ans ☒ 1. कज़िन
☒ 2. भाई
☒ 3. चाचा
☒ 4. पति

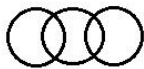
Question ID : 81616113120
Status : Answered
Chosen Option : 4

Q.11 Three of the following four number pairs are alike in a certain way and one is different. Pick the odd one out.

Ans ☒ 1. 61 : 97
☒ 2. 56 : 136
☒ 3. 78 : 127
☒ 4. 25 : 89

Question ID : 81616112720
Status : Marked For Review
Chosen Option : 2

Q.12 Select the set of classes, the relationship among which is best illustrated by the following Venn diagram.



Ans ☒ 1. Yamuna, Rivers, Kaveri
☒ 2. Girls, Intelligent, Boys
☒ 3. Vegetarian, Woman, Sisters
☒ 4. Stationary, Pencil, Stapler

Question ID : 81616113438
Status : Answered
Chosen Option : 2

Q.13 Study the given pattern carefully and select the number that can replace the question mark (?) in it.

3 11 2
5 11 7
13 ? 18

Ans ☒ 1. 31

☒ 2. 29

☒ 3. 27

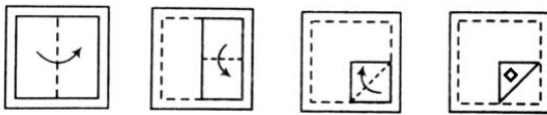
☒ 4. 33

Question ID : 81616113428

Status : Not Answered

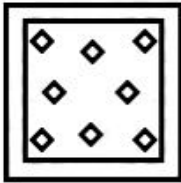
Chosen Option : --

Q.14 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?

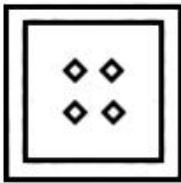


Ans

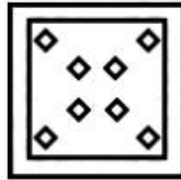
☒ 1.



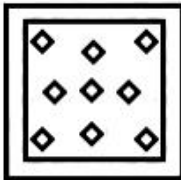
☒ 2.



☒ 3.



☒ 4.



Question ID : 81616113134

Status : Answered

Chosen Option : 3

Q.15 In a certain code language, 'PERMIT' is written as 'GRNIVK'. How will 'CONDUCE' be written in that language?

- Ans ☒ 1. VFXMWXL
☒ 2. VXFWMXL
☒ 3. VXFMWLX
☒ 4. XLMWFXV

Question ID : 81616113420

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.16 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

TALT, YAGT, YFGO, DFBO, DKBJ, ?

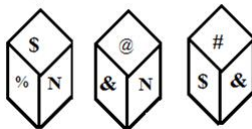
- Ans ☒ 1. IJKW
☒ 2. DPBE
☒ 3. IKWJ
☒ 4. BDEP

Question ID : 81616113111

Status : Not Attempted and
Marked For Review

Chosen Option : --

Q.17 Three different positions of the same dice are shown. Select the symbol that will be on the face opposite to the face having 'N'.



- Ans ☒ 1. @
☒ 2. &
☒ 3. %
☒ 4. #

Question ID : 81616112727

Status : Answered

Chosen Option : 4

Q.18 In a certain code language 'PAYMENT' is coded as '6101814111520' and 'JUSTIFY' is coded as '11141519151620'. How will 'COMPARE' be coded in that language?

- Ans ☒ 1. 681013101113
☒ 2. 613101113801
☒ 3. 601811031131
☒ 4. 680113111103

Question ID : 81616112714

Status : Not Answered

Chosen Option : --

Q.19 Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$18 * 12 * 4 * 5 * 6 * 53$$

- Ans**
- ☐ 1. $\times, +, +, =, -$
 - ☒ 2. $\times, +, +, -, =$
 - ☐ 3. $\times, \div, =, +, -$
 - ☐ 4. $\times, \div, -, +, =$

Question ID : 81616112723

Status : Answered

Chosen Option : 2

Q.20 Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.

pq_dh_qmd_p_m_h_q_dh

- Ans**
- ☐ 1. m, p, q, h, d, p, m
 - ☐ 2. d, m, m, p, p, h, q
 - ☒ 3. m, p, h, q, d, p, m
 - ☐ 4. d, h, m, m, p, p, q

Question ID : 81616113119

Status : Answered

Chosen Option : 3

Q.21 Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number.

$$12 : 136 :: ? : 188 :: 24 : 568$$

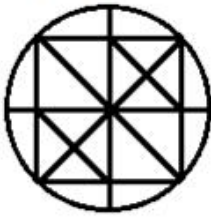
- Ans**
- ☒ 1. 14
 - ☐ 2. 26
 - ☐ 3. 41
 - ☐ 4. 32

Question ID : 81616113426

Status : Answered

Chosen Option : 1

Q.22 Find the number of triangles in the given figure.



- Ans ☒ 1. 28
☒ 2. 26
☒ 3. 30
☒ 4. 24

Question ID : 81616112726
Status : Answered
Chosen Option : 1

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

5, 11, 25, 55, 117, 243, ?

- Ans ☒ 1. 497
☒ 2. 473
☒ 3. 479
☒ 4. 437

Question ID : 81616113627
Status : Answered
Chosen Option : 1

Q.24 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. SHLO
☒ 2. DWZA
☒ 3. KPSH
☒ 4. JQTG

Question ID : 81616113618
Status : Not Attempted and Marked For Review
Chosen Option : --

Q.25 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. Joy stick
☒ 2. Microphone
☒ 3. Keyboard
☒ 4. Projector

Question ID : 81616112710
Status : Answered
Chosen Option : 1

Section : **General Awareness****Q.1 Who among the following took charge as Vice Chief of Army Staff in February 2021?**

- Ans** ☒ 1. Bipin Rawat
☒ 2. Chandi Prasad Mohanty
☒ 3. SK Saini
☒ 4. Raj Shukla

Question ID : **81616113159**
Status : **Answered**
Chosen Option : **2**

Q.2 Where does the river Brahmaputra originate?

- Ans** ☒ 1. Chemayungdung glacier of the Kailash range
☒ 2. Glaciers of Mapchachungo
☒ 3. Garhwal hills near Gairsain
☒ 4. Milam glacier in the Nepal Himalayas

Question ID : **81616113652**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Who among the following freedom fighters wrote the poem 'Vande Mataram' in 1875?

- Ans** ☒ 1. Rabindranath Tagore
☒ 2. Bankim Chandra Chatterjee
☒ 3. Bipin Chandra Pal
☒ 4. Bhagat Singh

Question ID : **81616113150**
Status : **Answered**
Chosen Option : **2**

Q.4 Mughal Emperor Shah Alam appointed the British East India Company as the Diwan of the province of Bengal in the year ____.

- Ans** ☒ 1. 1917
☒ 2. 1765
☒ 3. 1623
☒ 4. 1835

Question ID : **81616113451**
Status : **Not Answered**
Chosen Option : **--**

Q.5 Who among the following wrote 'The Light of Asia: The Poem that Defined the Buddha' that will narrate the phenomenal poem 'The Light of Asia'?

- Ans** ☒ 1. Jairam Ramesh
☐ 2. Salman Rushdie
☐ 3. Chetan Bhagat
☐ 4. Shashi Tharoor

Question ID : **81616113153**
Status : **Not Answered**
Chosen Option : --

Q.6 Which of the following popular kitchen ingredients is called the 'sugar eating fungus'?

- Ans** ☐ 1. Baking powder
☒ 2. Yeast
☐ 3. Vinegar
☐ 4. Ketchup

Question ID : **81616112738**
Status : **Answered**
Chosen Option : 2

Q.7 According to which of the following Articles of the Constitution of India shall a Money Bill NOT be introduced in the Council of States?

- Ans** ☐ 1. Article 193
☐ 2. Article 354
☐ 3. Article 298
☒ 4. Article 109

Question ID : **81616113155**
Status : **Answered**
Chosen Option : 2

Q.8 Which Mughal prince translated the Upanishads into Persian in 1657?

- Ans** ☒ 1. Dara Shikoh
☐ 2. Murad Mirza
☐ 3. Sultan Luftallah
☐ 4. Shah Suja

Question ID : **81616112745**
Status : **Answered**
Chosen Option : 1

Q.9 Who became India's first badminton world champion in 2019?

- Ans** ☐ 1. Kidambi Srikanth
☒ 2. PV Sindhu
☐ 3. Jwala Gutta
☐ 4. Saina Nehwal

Question ID : **81616113661**
Status : **Answered**
Chosen Option : 3

Q.10 Who among the following was the first General Secretary of All India Kisan Congress?

- Ans** ☒ 1. NG Ranga
☐ 2. Acharya Narendra Dev
☐ 3. Sardar Vallabhbhai Patel
☐ 4. Swami Sahajanand Saraswati

Question ID : **81616113454**
Status : **Answered**
Chosen Option : **2**

Q.11 SIMBEX is a military exercise conducted between the defense forces of which of the following nations?

- Ans** ☐ 1. India and the US
☒ 2. India and Singapore
☐ 3. India and Sri Lanka
☐ 4. India and Thailand

Question ID : **81616113665**
Status : **Answered**
Chosen Option : **2**

Q.12 'Margomkali', a ritual folk art form, is from the state of _____.

- Ans** ☐ 1. Assam
☒ 2. Kerala
☐ 3. Nagaland
☐ 4. Punjab

Question ID : **81616112733**
Status : **Answered**
Chosen Option : **2**

Q.13 In which of the following months is the 'Valvil Ori Vizha' festival of Tamil Nadu celebrated?

- Ans** ☒ 1. August
☐ 2. January
☐ 3. June
☐ 4. May

Question ID : **81616113439**
Status : **Answered**
Chosen Option : **2**

Q.14 Which of the following Indian cities is situated at the banks of Lake Pichola?

- Ans** ☐ 1. Agra
☐ 2. Ahmedabad
☐ 3. Kurnool
☒ 4. Udaipur

Question ID : **81616113146**
Status : **Answered**
Chosen Option : **4**

Q.15 Who was the President of the Athletics Federation of India as of January 2021?

- Ans** ☒ 1. Avinash Sable
☒ 2. Adille Sumariwalla
☒ 3. Amrish Kumar
☒ 4. Rajeev Kumar

Question ID : **81616113460**
Status : **Answered**
Chosen Option : **2**

Q.16 Which of the following states ranked first in the Export Preparedness Index 2020 released by Niti Aayog?

- Ans** ☒ 1. Andhra Pradesh
☒ 2. Maharashtra
☒ 3. Telangana
☒ 4. Gujarat

Question ID : **81616113138**
Status : **Answered**
Chosen Option : **2**

Q.17 In November 2020, which country became the first in the world to make access to menstrual products a right?

- Ans** ☒ 1. Ireland
☒ 2. Scotland
☒ 3. England
☒ 4. Wales

Question ID : **81616113663**
Status : **Answered**
Chosen Option : **2**

Q.18 Which of the following is one of the main causes of tides?

- Ans** ☒ 1. Gravitational pull of the Sun and the Moon
☒ 2. Closed orbits of planets
☒ 3. Rotation of Earth
☒ 4. Solar flares

Question ID : **81616113646**
Status : **Answered**
Chosen Option : **1**

Q.19 Which Article of the Constitution of India deals with the 'Pardoning Power of the Governor'?

- Ans**
- ☐ 1. Article 189
 - ☐ 2. Article 173
 - ☒ 3. Article 161
 - ☐ 4. Article 150

Question ID : **81616112750**
Status : **Answered**
Chosen Option : **2**

Q.20 The vertebrae are a part of which of the following body systems in humans?

- Ans**
- ☐ 1. Lungs
 - ☒ 2. Spinal cord
 - ☐ 3. Kidney
 - ☐ 4. Heart

Question ID : **81616113443**
Status : **Answered**
Chosen Option : **1**

Q.21 Payment made to others for the purchase of factors of production is known as _____.

- Ans**
- ☐ 1. real cost
 - ☒ 2. explicit cost
 - ☐ 3. implicit cost
 - ☐ 4. money cost

Question ID : **81616112735**
Status : **Answered**
Chosen Option : **2**

Q.22 What was the theme for the 3rd Global RE-INVEST Renewable Energy Investors Meet & Expo 2020?

- Ans**
- ☐ 1. Solar and Renewable Energy Innovations
 - ☐ 2. Investment for Sustainable Energy Transmission
 - ☒ 3. Innovations for Sustainable Energy Transition
 - ☐ 4. Research for Scientific Renewable Energy

Question ID : **81616113144**
Status : **Answered**
Chosen Option : **2**

Q.23 The river Gori is an important tributary of the _____.

- Ans**
- ☐ 1. Godavari
 - ☐ 2. Cauvery
 - ☒ 3. Yamuna
 - ☐ 4. Brahmaputra

Question ID : **81616112741**
Status : **Answered**
Chosen Option : **3**

Q.24 Who won the 2020 Academy Award for 'Performance by an Actor in a Supporting Role'?

- Ans**
- ☐ 1. Tom Hanks
 - ☐ 2. Joaquin Phoenix
 - ☐ 3. Leonardo DiCaprio
 - ☒ 4. Brad Pitt

Question ID : **81616113657**
Status : **Answered**
Chosen Option : **3**

Q.25 Melatonin encodes proteins in cells to prevent _____ entry.

- Ans**
- ☐ 1. protozoan
 - ☒ 2. virus
 - ☐ 3. fungus
 - ☐ 4. bacterium

Question ID : **81616113446**
Status : **Answered**
Chosen Option : **2**

Section : **Quantitative Aptitude**

Q.1 In $\triangle ABC$, $AD \perp BC$ at D and AE is the bisector of $\angle A$. If $\angle B = 62^\circ$ and $\angle C = 36^\circ$, then what is the measure of $\angle DAE$?

- Ans**
- ☐ 1. 54°
 - ☒ 2. 13°
 - ☐ 3. 23°
 - ☐ 4. 27°

Question ID : **81616113178**
Status : **Answered**
Chosen Option : **2**

Q.2 $5\frac{1}{5} \div \left[3\frac{1}{2} - \left\{ \frac{5}{6} - \left(\frac{3}{5} + \frac{1}{10} - \frac{4}{15} \right) \right\} \right]$ is equal to :

- Ans**
- ☐ 1. $\frac{12}{31}$
 - ☐ 2. $\frac{22}{31}$
 - ☐ 3. $\frac{72}{31}$
 - ☒ 4. $\frac{52}{31}$

Question ID : **81616113667**
Status : **Answered**
Chosen Option : **4**

Q.3

If $x^8 - 433x^4 + 16 = 0$, $x > 0$, then what is the value of $\left(x + \frac{2}{x}\right)$?

Ans ☒ 1. 5☐ 2. 9☐ 3. 7☐ 4. 4

Question ID : 81616112770

Status : Answered

Chosen Option : 1

Q.4 If $(x + y)^3 + 27(x - y)^3 = (Ax - 2y)(Bx^2 + Cxy + 13y^2)$, then the value of $A - B - C$ is:

Ans ☒ 1. 13☐ 2. 15☐ 3. 27☐ 4. 20

Question ID : 81616113677

Status : Answered

Chosen Option : 1

Q.5 If $x^2 - \sqrt{11}x + 1 = 0$, then $(x^3 + x^{-3}) =$

Ans ☐ 1. $7\sqrt{11}$ ☐ 2. $10\sqrt{11}$ ☒ 3. $8\sqrt{11}$ ☐ 4. $4\sqrt{11}$

Question ID : 81616113476

Status : Answered

Chosen Option : 3

Q.6 In the table, production and sale (in 1000 tonnes) of a certain product of a company over 5 years is given. Study the table and answer the question:

years	Production (in 1000 tonnes)	Sale (in 1000 tonnes)
2015	1250	1000
2016	1400	1290
2017	1450	1100
2018	1500	1450
2019	1600	1390

In which year(s) the sale increases by more than 25% of the previous year?

- Ans**  1. 2017 and 2019
 2. 2017
 3. 2018
 4. 2016 and 2018

Question ID : **81616112881**
Status : **Answered**
Chosen Option : **4**

Q.7 The marked price of an article is ₹2720. If a shopkeeper sold the article at 15% loss after giving 25% discount, then the cost price (in ₹) of the article is:

- Ans**  1. 2000
 2. 2400
 3. 1200
 4. 1800

Question ID : **81616113467**
Status : **Answered**
Chosen Option : **2**

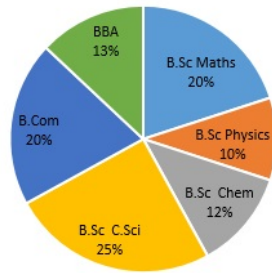
Q.8 A borrowed a sum of ₹160000 from B at 10% per annum simple interest. At the same time he lent the same sum to C at the same rate on compound interest, compounded semi-annually for 2 years. Find the amount (in ₹) earned by A in the whole transaction.

- Ans**  1. 4281
 2. 2840
 3. 4280
 4. 2481

Question ID : **81616112764**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.9

Pie-chart shows the distribution of percentage of students in various courses.
Total number of students is 1400



Percentage-wise distribution of number of boys:

Course	Number of boys
B.Sc Maths	40%
B.Sc Physics	68%
B.Sc Chem	58%
B.Sc C.Sci	80%
B.Com	75%
BBA	65%

What is the ratio of number of girls in B.Sc. Maths to number of boys in B.Sc. C. Sci.?

- Ans
- ☒ 1. 5 : 3
 - ☒ 2. 7 : 2
 - ☒ 3. 2 : 7
 - ☒ 4. 3 : 5

Question ID : 81616113588

Status : Answered

Chosen Option : 4

Q.10 In $\triangle ABC$, AD is the bisector of $\angle A$ meeting BC at D. If $AC = 21$ cm, $BC = 11$ cm and the length of BD is 3 cm less than DC, then the length (in cm) of side AB is:

- Ans
- ☒ 1. 18
 - ☒ 2. 10
 - ☒ 3. 12
 - ☒ 4. 15

Question ID : 81616113682

Status : Answered

Chosen Option : 3

Q.11 Rajan spent 10% of his salary on rent. He spent 20% of the remaining part of the salary on transport. After which he spent 40% of the balance of the salary on food. Further, he spent 80% of the balance on various bills. He deposits ₹5000 in the bank and kept the remaining ₹1480 for his own petty expenditure. Find his monthly salary (in ₹).

Ans ✓ 1. 75000

✗ 2. 80000

✗ 3. 64800

✗ 4. 82500

Question ID : 81616112761

Status : Answered

Chosen Option : 1

Q.12 In a class the ratio of rural to urban students is 4 : 7. In an examination the average percentage marks of the rural and the urban students are respectively 65 and 63. What is the overall average percentage marks of the class (correct to two decimal places)?

Ans ✗ 1. 64.37%

✗ 2. 73.63%

✓ 3. 63.73%

✗ 4. 65.87%

Question ID : 81616113163

Status : Answered

Chosen Option : 3

Q.13

If $\sin A = \frac{1}{2}$, A is an acute angle, then find the value of $\frac{\tan A - \cot A}{\sqrt{3}(1 + \operatorname{cosec} A)}$.

Ans ✓ 1. $-\frac{2}{9}$

✗ 2. $-\frac{4\sqrt{3}}{9}$

✗ 3. $\frac{2}{9}$

✗ 4. $\frac{4\sqrt{3}}{9}$

Question ID : 81616112676

Status : Answered

Chosen Option : 1

Q.14 If $\cos \theta - \sin \theta = \sqrt{3} \cos(90^\circ - \theta)$, $0^\circ < \theta < 90^\circ$ then find the value of $\tan \theta - \cot \theta$.

Ans

✗ 1. $-\frac{3+2\sqrt{3}}{(1-\sqrt{3})}$

✗ 2. $\frac{3-2\sqrt{3}}{(1+\sqrt{3})}$

✓ 3. $-\frac{3+2\sqrt{3}}{(1+\sqrt{3})}$

✗ 4. $\frac{3+2\sqrt{3}}{(1+\sqrt{3})}$

Question ID : 81616112775

Status : Answered

Chosen Option : 3

Q.15 Points P, Q, R, S and T lie in this order on a circle with centre O. If chord TS is parallel to diameter PR and $\angle RQT = 58^\circ$, then find the measure (in degrees) of $\angle RTS$.

Ans

✗ 1. 29

✓ 2. 32

✗ 3. 45

✗ 4. 58

Question ID : 81616112772

Status : Marked For Review

Chosen Option : 2

Q.16 There are two water taps in a tank which can fill the empty tank in 12 hours and 18 hours respectively. It is seen that there is a leakage point at the bottom of the tank which can empty the completely filled tank in 36 hours. If both the water taps are opened at the same time to fill the empty tank and the leakage point was repaired after 1 hour, then in how much time the empty tank will be completely filled?

Ans

✗ 1. 7 hours 12 minutes

✗ 2. 8 hours 24 minutes

✓ 3. 7 hours 24 minutes

✗ 4. 7 hours

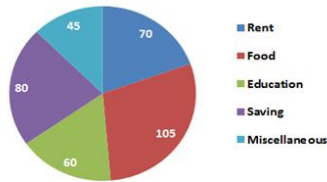
Question ID : 81616112765

Status : Answered

Chosen Option : 3

Q.17 The given Pie-Chart shows the degree wise breakup of expenditure of a family in a month. Total income of a family is ₹43200.

Degree of amount incurred in different Expenditure (Total ₹ 43,200)



The amount spent on food is what percent of the savings and miscellaneous expenses?

- Ans**
- ☒ 1. 90%
 - ☒ 2. 75%
 - ☒ 3. 84%
 - ☒ 4. 60%

Question ID : 81616113586

Status : **Answered**

Chosen Option : 3

Q.18 A train running at 72 km/h crosses a pole in 12 seconds. How much time (in seconds) will it take to cross a bridge 360 m long?

- Ans**
- ☒ 1. 60
 - ☒ 2. 30
 - ☒ 3. 40
 - ☒ 4. 75

Question ID : 81616113473

Status : **Answered**

Chosen Option : 2

Q.19 What is the difference in the mean proportional between 1.8 and 3.2 and the third proportional to 5 and 3?

- Ans**
- ☒ 1. 0.5
 - ☒ 2. 0.4
 - ☒ 3. 0.7
 - ☒ 4. 0.6

Question ID : 81616113470

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.20 A shopkeeper bought 20 kg of sugar at ₹45 per Kg, 25 kg of sugar at ₹50 per kg and 35 kg of sugar at ₹40 per kg. He spent a sum of ₹450 on transportation and other expenses. He mixed all the three types of sugar and sold all the stock at ₹52.50 per kg. His profit percent in the entire transaction is:

- Ans**
- ☒ 1. 6.5%
 - ☒ 2. 5%
 - ☒ 3. 7.25%
 - ☒ 4. 4.25%

Question ID : 81616113671

Status : **Not Attempted and Marked For Review**

Chosen Option : --

Q.21 Find the smallest value of a so that $42a48b$ ($a > b$) is divisible by 11.

- Ans**
- ☒ 1. 0
 - ☒ 2. 9
 - ☒ 3. 4
 - ☒ 4. 5

Question ID : 81616112757

Status : **Answered**

Chosen Option : 4

Q.22 ABCD is a cyclic quadrilateral such that AB is the diameter of the circle and $\angle ADC = 145^\circ$, then what is the measure of $\angle BAC$?

- Ans**
- ☒ 1. 35°
 - ☒ 2. 45°
 - ☒ 3. 55°
 - ☒ 4. 65°

Question ID : 81616113175

Status : **Answered**

Chosen Option : 2

Q.23 For $0^\circ < \theta < 90^\circ$,

$$\frac{1}{\cos \theta} + \frac{1}{\tan \theta - \sec \theta}$$

is equal to:

- Ans**
- ☒ 1. $\tan \theta$
 - ☒ 2. $\sec \theta$
 - ☒ 3. $-\sec \theta$
 - ☒ 4. $-\tan \theta$

Question ID : 81616113989

Status : **Answered**

Chosen Option : 3

Q.24 What is the volume (in cm^3) of a spherical shell whose inner and outer radii are respectively 2 cm and 3 cm?

Ans

- ✓ 1. $\frac{76\pi}{3}$
- ✗ 2. $\frac{86\pi}{3}$
- ✗ 3. $\frac{56\pi}{3}$
- ✗ 4. $\frac{106\pi}{3}$

Question ID : **81616113171**

Status : **Answered**

Chosen Option : **3**

Q.25 Table shows District-wise data of the number of primary school teachers posted in schools of a city.
Study the table and answer the question:

District	Male teachers	Female teachers
East	1650	2375
North	1075	2651
West	1280	1520
South	1170	1085
Central	690	859

What is the average number of female teachers in the five districts?

Ans

- ✓ 1. 1698
- ✗ 2. 1173
- ✗ 3. 1690
- ✗ 4. 2871

Question ID : **81616112879**

Status : **Not Answered**

Chosen Option : --

Section : **English Comprehension**

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

Debilitate

Ans

- ✗ 1. Sustain
- ✗ 2. Vitalise
- ✗ 3. Animate
- ✓ 4. Weaken

Question ID : **81616113201**

Status : **Not Answered**

Chosen Option : --

Q.2 Select the INCORRECTLY spelt word.

- Ans** ☒ 1. Imagery
☒ 2. Security
☒ 3. Certain
☒ 4. Casheir

Question ID : **81616113713**
Status : **Answered**
Chosen Option : **1**

Q.3 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 construction of / the new business school / is led to / a sudden rise of population in our area.

- Ans** ☒ 1. is led to
☒ 2. The construction of
☒ 3. the new business school
☒ 4. a sudden rise of population in our area

Question ID : **81616112783**
Status : **Marked For Review**
Chosen Option : **1**

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

Celebrate

- Ans** ☒ 1. Circulate
☒ 2. Humiliate
☒ 3. Honour
☒ 4. Publish

Question ID : **81616113200**
Status : **Answered**
Chosen Option : **3**

Q.5 Select the option that can be used as a one-word substitute for the given group of words.

A large cage, building, or enclosure to keep birds

- Ans** ☒ 1. Zoo
☒ 2. Aquarium
☒ 3. Aviary
☒ 4. Arena

Question ID : **81616112802**
Status : **Answered**
Chosen Option : **3**

Q.6 Select the option that expresses the given sentence in passive voice.

Please do your work properly.

- Ans ☒ 1. Can you please do your work properly?
☒ 2. You are requested to do your work properly.
☒ 3. Will you please do your work properly?
☒ 4. You are instructed to do your work properly.

Question ID : 81616112784

Status : Answered

Chosen Option : 2

Q.7 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. An old mouse, who was wise enough to keep his distance, whispered to a friend, "Many a bag have I seen in my day, but never one with a cat's head".
B. She hoped that the mice would no longer be afraid to come near her.
C. A cat, grown feeble with age and no longer able to hunt mice as she once did, thought to herself how she might entice them within reach of her paw.
D. Thinking that she might pass herself off for a bag or for a dead cat at least, she suspended herself by the hind legs from a peg.

- Ans ☒ 1. ABDC
☒ 2. DCBA
☒ 3. CDBA
☒ 4. CADB

Question ID : 81616113703

Status : Answered

Chosen Option : 4

Q.8 Select the most appropriate meaning of the given idiom.

Spick and span

- Ans ☒ 1. Fast and efficient
☒ 2. Far and near
☒ 3. Neat and clean
☒ 4. Noisy and loud

Question ID : 81616113507

Status : Answered

Chosen Option : 3

Q.9 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If there is no error, select 'No error'.

They have lived / in this apartment / since ten years.

- Ans ☒ 1. in this apartment
☒ 2. They have lived
☒ 3. No error
☒ 4. since ten years

Question ID : 81616113489

Status : Answered

Chosen Option : 2

Q.10 Select the **INCORRECTLY** spelt word.

- Ans ☒ 1. Depressed
☒ 2. Vivedly
☒ 3. Piety
☒ 4. Sovereignty

Question ID : 81616113714

Status : Answered

Chosen Option : 4

Q.11 Select the option that expresses the given sentence in reported speech.

"I'll see you later," she said.

- Ans ☒ 1. She said that she would see me later.
☒ 2. She said that she will be able to see you later.
☒ 3. She said that she will see you later.
☒ 4. She said that she would be seeing me later.

Question ID : 81616113189

Status : Answered

Chosen Option : 1

Q.12 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. These kinds of sharks are known as obligate ram ventilators because they draw water in through their mouths and force it out through their gills.
B. They use a method called buccal pumping, in which water is pulled in through the mouth and forced out through the gills by the cheek muscles.
C. It is true that many types of sharks must keep moving in order to receive life-giving oxygen from the water passing through their gills.
D. Other types of sharks are able to remain stationary because they possess special structures called spiracles, which force water out through their gills.

- Ans ☒ 1. DABC
☒ 2. CDAB
☒ 3. BCDA
☒ 4. CABD

Question ID : 81616113502

Status : Answered

Chosen Option : 2

Q.13 Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'.

The furniture is ready to be delivered.

- Ans ☒ 1. has ready to be delivered
☒ 2. are ready to be delivered
☒ 3. No substitution
☒ 4. are being ready to be delivered

Question ID : 81616112786

Status : Answered

Chosen Option : 2

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

Some patches of the _____ garden have a rich cover of grass now.

- Ans** ☒ 1. sprawling
☐ 2. slouching
☐ 3. stretching
☐ 4. stroking

Question ID : **81616113211**
Status : **Not Answered**
Chosen Option : --

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

Go easy on something

- Ans** ☐ 1. Fill one's plate easily
☐ 2. Eat slowly and liberally
☒ 3. Use only a small amount of
☐ 4. Take as much as one wants

Question ID : **81616113508**
Status : **Answered**
Chosen Option : **4**

Q.16 Select the option that will improve the underlined part of the given sentence. In case no improvement is needed select 'No improvement required'.

Preparing children for uncertainties keeps them in readiness to face challenges.

- Ans** ☐ 1. keep them to be ready
☒ 2. No improvement required
☐ 3. keeps them for readiness
☐ 4. keep them ready

Question ID : **81616113191**
Status : **Answered**
Chosen Option : **3**

Q.17 Select the most appropriate **ANTONYM** of the given word.

Augment

- Ans** ☐ 1. Extend
☒ 2. Diminish
☐ 3. Spread
☐ 4. Expand

Question ID : **81616113506**
Status : **Answered**
Chosen Option : **2**

Q.18 Select the option that can be used as a one-word substitute for the given group of words.

A sentimental longing for a period in the past

- Ans** ☒ 1. Craving
☒ 2. Emotion
☒ 3. Memory
☒ 4. Nostalgia

Question ID : **81616112803**
Status : **Answered**
Chosen Option : **4**

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

Waver

- Ans** ☒ 1. Sway
☒ 2. Tilt
☒ 3. Steady
☒ 4. Slant

Question ID : **81616113707**
Status : **Answered**
Chosen Option : **3**

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

Sales _____ from day to day.

- Ans** ☒ 1. swing
☒ 2. revolves
☒ 3. fluctuate
☒ 4. rotates

Question ID : **81616112806**
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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)_____ some archaeologists study living cultures, most archaeologists concern (2)_____ with the distant past. People have dug (3)_____ monuments and collected artefacts for thousands of years. (4)_____, these people were not scholars, but looters and grave robbers looking to make money or (5)_____ up their personal collections.

SubQuestion No : 21

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

- Ans** ☒ 1. Yet
☒ 2. Although
☒ 3. Still
☒ 4. Even

Question ID : **81616113698**

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)_____ some archaeologists study living cultures, most archaeologists concern (2)_____ with the distant past. People have dug (3)_____ monuments and collected artefacts for thousands of years. (4)_____, these people were not scholars, but looters and grave robbers looking to make money or (5)_____ up their personal collections.

SubQuestion No : 22

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

- Ans** ☒ 1. them
☒ 2. themselves
☒ 3. itself
☒ 4. himself

Question ID : **81616113699**

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)_____ some archaeologists study living cultures, most archaeologists concern (2)_____ with the distant past. People have dug (3)_____ monuments and collected artefacts for thousands of years. (4)_____, these people were not scholars, but looters and grave robbers looking to make money or (5)_____ up their personal collections.

SubQuestion No : 23

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

- Ans** ☒ 1. over
☒ 2. in
☒ 3. up
☒ 4. ahead

Question ID : **81616113700**

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 word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)_____ some archaeologists study living cultures, most archaeologists concern (2)_____ with the distant past. People have dug (3)_____ monuments and collected artefacts for thousands of years. (4)_____, these people were not scholars, but looters and grave robbers looking to make money or (5)_____ up their personal collections.

SubQuestion No : 24

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

- Ans** ☒ 1. Seldom
☒ 2. Regularly
☒ 3. Commonly
☒ 4. Often

Question ID : **81616113701**

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.

The word "archaeology" comes from the Greek word "arkhaios," which means "ancient." (1)_____ some archaeologists study living cultures, most archaeologists concern (2)_____ with the distant past. People have dug (3)_____ monuments and collected artefacts for thousands of years. (4)_____, these people were not scholars, but looters and grave robbers looking to make money or (5)_____ up their personal collections.

SubQuestion No : 25

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

- Ans**  1. create
 2. build
 3. assemble
 4. construct

Question ID : **81616113702**

Status : **Answered**

Chosen Option : **3**