Combined Graduate level Examination 2023 Tier I

Roll Number	
Candidate Name	
Venue Name	
Exam Date	24/07/2023
Exam Time	9:00 AM - 10:00 AM
Subject	Combined Graduate Level Examination Tier I 2023

Section : **General Intelligence and Reasoning**

Q.1 **In a certain code language, 'CERTAIN' is written as 'ECTRCGP', 'DIGITAL' is written as 'FGIGVYN'. How will 'FACTORY' be written in that language?**

Ans

✔ 1. HYERQPA

✘ 2. HCEVQTA

✘ 3. HYPERPA

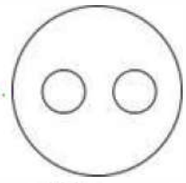
✘ 4. HYERRPA

Question ID : **26433091593**
Status : **Answered**
Chosen Option : **1**

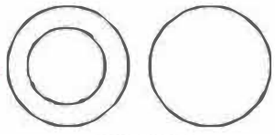
Q.2 **Select the Venn diagram that best illustrates the relationship between the following classes.**
Sports, Badminton, Hockey

Ans

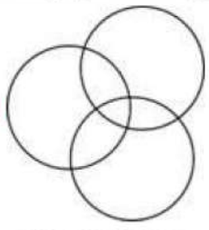
✔ 1.



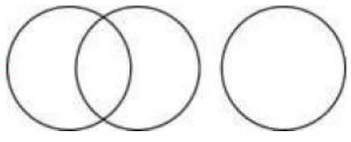
✘ 2.



✘ 3.



✘ 4.



Question ID : **26433090914**
Status : **Answered**
Chosen Option : **1**

Q.3 **Select the option that represents the letters that, when placed from left to right in the following blanks, will complete the letter-series.**
F I R _ D F _ _ E D F _ T _ D F I _ E _

Ans
✔ 1. E I S I E U D
✘ 2. E I S I E U E
✘ 3. E G S J E U E
✘ 4. E H S I E U D

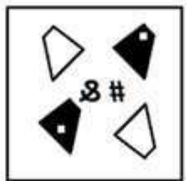
Question ID : **264330143753**
Status : **Answered**
Chosen Option : **1**

Q.4 Which of the answer figures is the exact mirror image of the given problem figure when the mirror is held at the right side?

Problem figure:

Ans

✘ 1.

✔ 2.


✘ 3.

✘ 4.

Question ID : **26433067420**
Status : **Answered**
Chosen Option : **2**

Q.5 If '+' means 'subtraction', '–' means 'multiplication', '÷' means 'addition' and '×' means 'division', then what is the value of the following expression?
14 – 19 + 240 × 16 ÷ 61

Ans
✗ 1. 284
✓ 2. 312
✗ 3. 247
✗ 4. 329

Question ID : **264330133153**
Status : **Answered**
Chosen Option : **2**

Q.6 Study the given pattern carefully and select the number that can replace the question mark (?) in it.
(2, 2, 4)
(1, 6, 6)
(7, 2, ?)
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

Ans
✓ 1. 14
✗ 2. 2
✗ 3. 7
✗ 4. 12

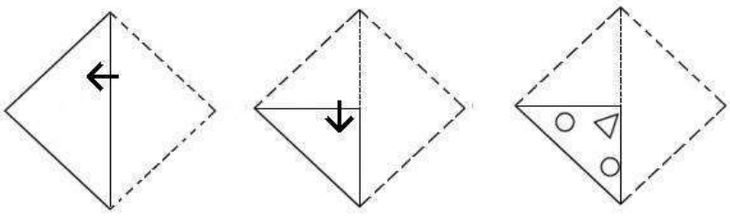
Question ID : **26433082460**
Status : **Answered**
Chosen Option : **1**

Q.7 'Poor' is related to 'Destitute' in the same way as 'Rich' is related to '_____'.

Ans
✗ 1. Powerful
✓ 2. Affluent
✗ 3. Meagre
✗ 4. Strong

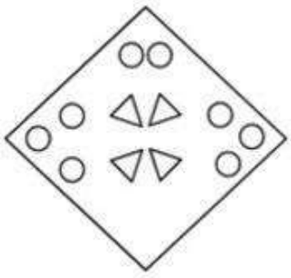
Question ID : **264330101122**
Status : **Answered**
Chosen Option : **2**

Q.8 A paper is folded and cut as shown below. How will it appear when unfolded?

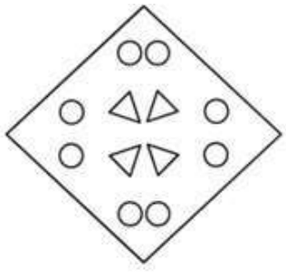


Ans

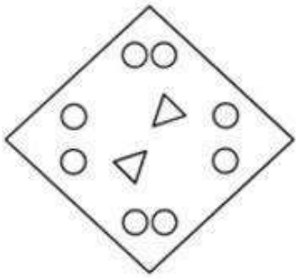
✗ 1.



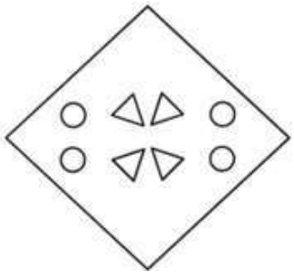
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433082048**
Status : **Answered**
Chosen Option : **1**

Q.9 **Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.**
Statements:
All bottles are containers.
Some containers are buckets
All buckets are soaps.

Conclusions:
I. Some soaps are bottles.
II. Some buckets are bottles.
III. Some soaps are containers.

Ans
✗ 1. Only conclusion I follows.
✗ 2. All conclusions follow.
✗ 3. Only conclusion II follows.
✓ 4. Only conclusion III follows.

Question ID : **26433093149**
Status : **Answered**
Chosen Option : **4**

Q.10 **In a family of three, P is A's father and K is the paternal grandfather of A. How is K related to P?**

Ans
✗ 1. Mother
✗ 2. Grandson
✗ 3. Son
✓ 4. Father

Question ID : **264330118666**
Status : **Answered**
Chosen Option : **4**

Q.11 **Select the option that is related to the third term in the same way as the second term is related to the first term and the sixth term is related to the fifth term.**
29 : 111 :: 72 : ? :: 36 : 139

Ans
✓ 1. 283
✗ 2. 231
✗ 3. 213
✗ 4. 238

Question ID : **26433078951**
Status : **Answered**
Chosen Option : **1**

Q.12 **Which two numbers and two signs should be interchanged in the following equation to make it correct?**

3 – 17 + 3 + 16 × 8 = 60

Ans
1. 17 and 8, – and ×
2. 3 and 17, – and ×
3. 3 and 16, – and ×
4. 17 and 16, – and ×

Question ID : **26433097212**
Status : **Answered**
Chosen Option : **4**

Q.13 **Which of the following letter-clusters will replace the question mark (?) in the given series?**
QZAE, RYCG, SXEI, ?, UVIM

Ans
1. TWHK
2. SWGL
3. TWGK
4. SWGK

Question ID : **26433089977**
Status : **Answered**
Chosen Option : **3**

Q.14 **Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.**
LEAP : PALE : : FJUL : LUFJ : : EGIB :?

Ans
1. GEBI
2. BIEG
3. IBEG
4. BEIG

Question ID : **26433056031**
Status : **Answered**
Chosen Option : **2**

Q.15 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /Subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
(121, 81, 2)
(88, 54, 2)

Ans
1. (13, 5, 9)
2. (78, 6, 45)
3. (31, 56, 98)
4. (77, 18, 5)

Question ID : **26433089589**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.16 **Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.**
CHOSEN : DIPTFO :: COPPER : DPQQFS :: BOTTLE : ?

Ans
1. CPUVMF
2. CPUUMF
3. CPTUMF
4. COYYNF

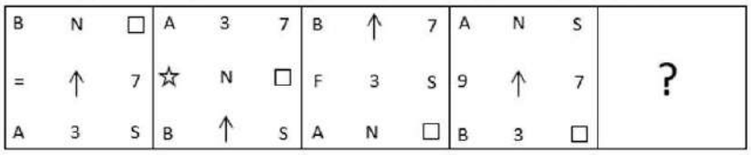
Question ID : **26433086976**
Status : **Answered**
Chosen Option : **2**

Q.17 **In a certain code language, if 'EAR' is written as '2037' and 'PBU' is written as '23418', how will 'DIG' be written in the same code language?**

Ans
1. 9116
2. 7106
3. 4108
4. 8114

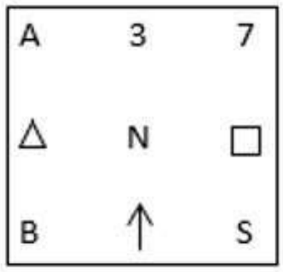
Question ID : **264330126655**
Status : **Answered**
Chosen Option : **1**

Q.18 Select the figure from the options that can replace the question mark (?) and complete the given pattern.

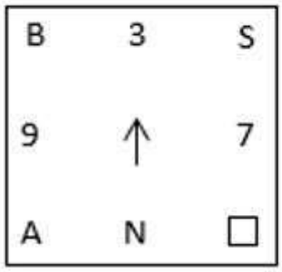


Ans

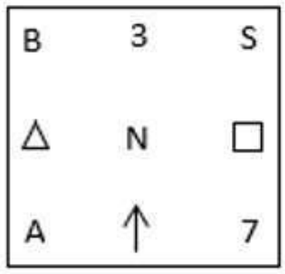
✗ 1.



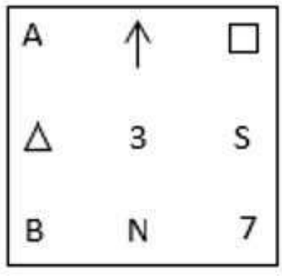
✗ 2.



✓ 3.



✗ 4.



Question ID : **26433085791**
Status : **Answered**
Chosen Option : **3**

Q.19 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1. Threaten
2. Thorough
3. Thankful
4. Throat
5. Thereafter
6. Thistle

Ans
✗ 1. 3, 6, 5, 1, 2, 4
✗ 2. 3, 6, 5, 2, 4, 1
✗ 3. 3, 5, 6, 1, 2, 4
✓ 4. 3, 5, 6, 2, 1, 4

Question ID : **264330129460**
Status : **Answered**
Chosen Option : **4**

Q.20 **Which number should replace the question mark (?) in the following number series?**
642, 598, 554, ?, 466, 422

Ans
✗ 1. 514
✗ 2. 524
✗ 3. 500
✓ 4. 510

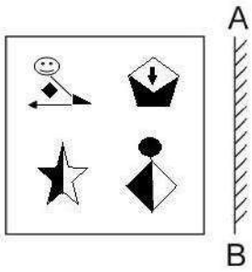
Question ID : **26433090126**
Status : **Answered**
Chosen Option : **4**

Q.21 **Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number.**
45 : 15 :: 20 : 10 :: 125 : ?

Ans
✗ 1. 20
✓ 2. 25
✗ 3. 28
✗ 4. 24

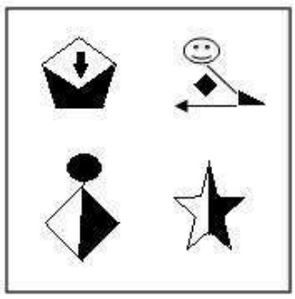
Question ID : **26433085822**
Status : **Answered**
Chosen Option : **2**

Q.22 Select the correct mirror image of the given figure when the mirror is placed at AB as shown.

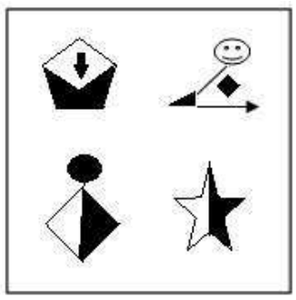


Ans

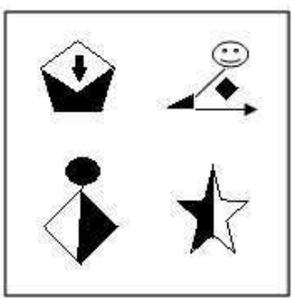
✗ 1.



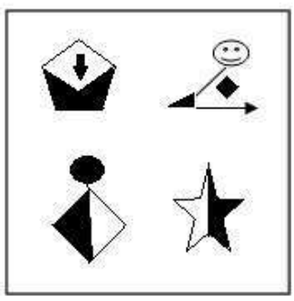
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433070441**
Status : **Answered**
Chosen Option : **2**

Q.23 **Three of the following four triads are alike in a certain way as they are formed by performing same mathematical operations among themselves and thus form a group. Which triad does NOT belong to that group?**

Ans

✗ 1. 2 : 5 : 8

✓ 2. 5 : 10 : 125

✗ 3. 12 : 25 : 1728

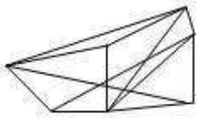
✗ 4. 3 : 7 : 27

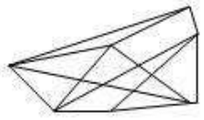
Question ID : **264330143698**
Status : **Answered**
Chosen Option : **2**

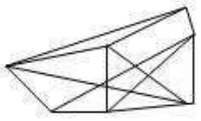
Q.24 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

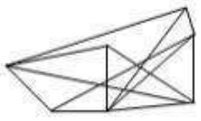
(X)

Ans

✗ 1. 

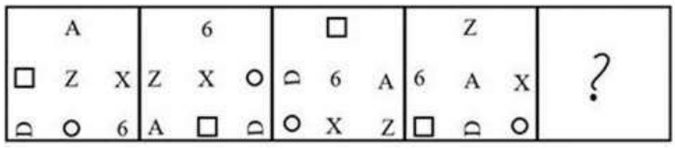
✓ 2. 

✗ 3. 

✗ 4. 

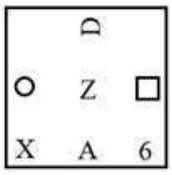
Question ID : **26433068906**
Status : **Answered**
Chosen Option : **2**

Q.25 Select the figure that will replace the question mark (?) in the following figure series.

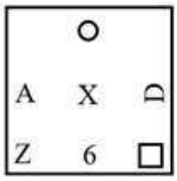


Ans

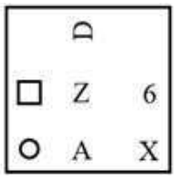
✔ 1.



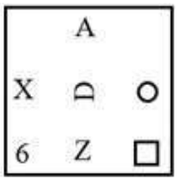
✘ 2.



✘ 3.



✘ 4.



Question ID : **264330143844**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **The central bank may _____ to discourage credit in the economy.**

Ans

✘ 1. decrease CRR

✘ 2. buy securities in open market

✘ 3. reduce SLR

✔ 4. increase bank rate

Question ID : **264330109090**
Status : **Answered**
Chosen Option : **4**

Q.2 **Which of the following does NOT come under the Fundamental Duties in the Constitution of India?**

Ans

✗ 1. Safeguard public property and to abjure violence

✗ 2. Cherish and follow the noble ideals that inspired the national struggle for freedom

✓ 3. Exercise adult franchise

✗ 4. Uphold and protect the sovereignty, unity and integrity of India

Question ID : **264330110781**
Status : **Answered**
Chosen Option : **3**

Q.3 **Which festival has the meaning 'to boil' or 'boiling' in its name?**

Ans

✓ 1. Pongal

✗ 2. Onam

✗ 3. Raja

✗ 4. Bihu

Question ID : **264330111137**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **Vitamins and minerals are helpful for which of the following?**

Ans

✗ 1. Proper breathing

✗ 2. Proper sweating

✗ 3. Proper fat storage

✓ 4. Carry out metabolic reactions in our body

Question ID : **26433071439**
Status : **Answered**
Chosen Option : **4**

Q.5 **Which of the following is the correct match of the column-A with column-B?**

Column-A (Physical Property)	Column-B (Unit)
i. Electric current	a. Tesla
ii. Voltage	b. Farad
iii. Capacitance	c. Ampere
iv. Magnetic field	d. Volt

Ans

✓ 1. i-c, ii-d, iii-b, iv-a

✗ 2. i-c, ii-a, iii-b, iv-d

✗ 3. i-d, ii-c, iii-b, iv-a

✗ 4. i-c, ii-d, iii-a, iv-b

Question ID : **264330131765**
Status : **Answered**
Chosen Option : **4**

Q.6 Emperor Ashoka conquered Kalinga after how many years of his coronation?

Ans
1. 5 years
2. 8 years
3. 11 years
4. 15 years

Question ID : **264330114020**
Status : **Answered**
Chosen Option : **2**

Q.7 Which Article of the Constitution of India mentions that law declared by Supreme Court is binding on all courts?

Ans
1. Article 143
2. Article 142
3. Article 144
4. Article 141

Question ID : **264330130692**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.8 Who became the first woman soldier sky diver of the Indian Army to have jumped from a height of 10,000 feet?

Ans
1. Lieutenant General Madhuri Kanitkar
2. Lance Naik Manju
3. Lieutenant General Rajshree Ramasethu
4. Air Marshal Arti Sarin

Question ID : **264330132598**
Status : **Not Answered**
Chosen Option : **--**

Q.9 Who is known as the 'Father of Modern Dance in India'?

Ans
1. Uday Shankar
2. Birju Maharaj
3. Gopi Krishna
4. Guru Bipin Singh

Question ID : **264330109294**
Status : **Answered**
Chosen Option : **2**

Q.10 **In 2019, a minor planet between Mars and Jupiter was named after whom among the following Indian musicians by the International Astronomical Union (IAU)?**

Ans
- ✗ 1. Pt Hari Prasad Chaurasia
- ✗ 2. Pt Ravi Shankar
- ✗ 3. Ustad Zakir Hussain
- ✓ 4. Pt Jasraj

Question ID : **26433097115**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.11 **Who was the first nationalist to give the theory of drain of wealth from India to England?**

Ans
- ✗ 1. Mahatma Gandhi
- ✗ 2. RC Dutt
- ✗ 3. SN Banerjee
- ✓ 4. Dadabhai Naoroji

Question ID : **264330112192**
Status : **Answered**
Chosen Option : **4**

Q.12 **Khemraj received the Sangeet Natak Akademi award for his contribution to folk music and dance of 'Kud'. Which state is the folk dance from?**

Ans
- ✗ 1. Haryana
- ✓ 2. Jammu and Kashmir
- ✗ 3. Himachal Pradesh
- ✗ 4. Punjab

Question ID : **26433064799**
Status : **Answered**
Chosen Option : **3**

Q.13 **During Alauddin Khilji's reign, the cloth market was known as _____.**

Ans
- ✓ 1. Sarai-i-Adl
- ✗ 2. Mandi
- ✗ 3. Munhiyans
- ✗ 4. Shahna-i-Mandi

Question ID : **264330114833**
Status : **Answered**
Chosen Option : **4**

Q.14 The Ryotwari Settlement, in which cultivators had to pay annual taxes directly to the government, was primarily introduced in which of the following provinces?

Ans
1. Central province
2. Assam and Bengal
3. Madras and Bombay
4. Punjab

Question ID : **264330141511**
Status : **Answered**
Chosen Option : **3**

Q.15 In which part of the Himalayas does its highest mountain peak, Kanchenjunga, lie?

Ans
1. Arunachal Himalayas
2. Kashmir Himalayas
3. The Darjeeling and Sikkim Himalayas
4. Uttarakhand Himalayas

Question ID : **264330116470**
Status : **Answered**
Chosen Option : **3**

Q.16 As per the report released by NITI Aayog in September 2021 entitled 'Best Practices in the Performance of District Hospitals', on average, how many beds per lakh population do district hospitals have?

Ans
1. 12 beds
2. 40 beds
3. 24 beds
4. 36 beds

Question ID : **26433082828**
Status : **Answered**
Chosen Option : **2**

Q.17 In which year was the 'Pradhan Mantri Kaushal Vikas Yojana' launched?

Ans
1. 2019
2. 2015
3. 2014
4. 2020

Question ID : **264330130597**
Status : **Not Answered**
Chosen Option : **--**

Q.18 **Which country hosted the FIFA World Cup 2022?**

Ans
- ✗ 1. Japan
- ✓ 2. Qatar
- ✗ 3. France
- ✗ 4. USA

Question ID : **264330120466**
Status : **Answered**
Chosen Option : **2**

Q.19 **In the early 1800s, who discovered that each chemical element is made up of a unique type of atom and that atoms differ by their mass?**

Ans
- ✗ 1. Antoine Lavoisier
- ✓ 2. John Dalton
- ✗ 3. Amedeo Avogadro
- ✗ 4. Robert Boyle

Question ID : **26433092184**
Status : **Not Answered**
Chosen Option : **--**

Q.20 Match the columns.

Column-A (Disorder)	Column-B (Hormone/Gland)
i. Addison's disease	a. Adrenal gland
ii. Hashimoto's disease	b. Thyroid gland
iii. Acromegaly	c. Growth hormone
iv. SIADH	d. Vasopressin

Ans
- ✗ 1. i-b, ii-a, iii-d, iv-c
- ✗ 2. i-b, ii-c, iii-a, iv-d
- ✓ 3. i-a, ii-b, iii-c, iv-d
- ✗ 4. i-d, ii-c, iii-b, iv-a

Question ID : **264330109922**
Status : **Not Answered**
Chosen Option : **--**

Q.21 **As of April 2022, who among the following is the Chairman of the National Green Tribunal?**

Ans
- ✓ 1. Adarsh Kumar Goel
- ✗ 2. Uday Umesh Lalit
- ✗ 3. Anoop Kumar Mendiratta
- ✗ 4. Vikram Nath

Question ID : **26433061874**
Status : **Not Answered**
Chosen Option : **--**

Q.22 **Who was the captain of U- 19 Indian cricket team in World Cup 2022?**

Ans
✗ 1. Vasu Vats
✗ 2. Dinesh Bana
✓ 3. Yash Dhull
✗ 4. Manav Parakh

Question ID : **26433054666**
Status : **Not Answered**
Chosen Option : **--**

Q.23 **Which of the following sedimentary minerals, known to everyone as 'salt', usually forms in arid climates where sea water evaporates?**

Ans
✗ 1. Zeolite
✓ 2. Halite
✗ 3. Calcite
✗ 4. Pyrite

Question ID : **264330110103**
Status : **Answered**
Chosen Option : **3**

Q.24 **Which of the following modern industries was in operation in India during the British rule?**
a. Cotton
b. Jute
c. Iron and Steel

Ans
✓ 1. All of a, b and c
✗ 2. Both a and b
✗ 3. Only a
✗ 4. Only c

Question ID : **264330112899**
Status : **Answered**
Chosen Option : **1**

Q.25 **Which of the following ports is NOT situated on the west coast of India?**

Ans
✗ 1. Mangaluru
✗ 2. Kandla
✗ 3. Marmagao
✓ 4. Haldia

Question ID : **264330109492**
Status : **Not Answered**
Chosen Option : **--**

Section : **Quantitative Aptitude**

Q.1 The value of $\frac{p^2-(q-r)^2}{(p+r)^2-q^2}+\frac{q^2-(p-r)^2}{(p+q)^2-r^2}+\frac{r^2-(p-q)^2}{(q+r)^2-p^2}$ is:

Ans
✔ 1. 1
✘ 2. 2
✘ 3. 0
✘ 4. 3

Question ID : **26433074498**
Status : **Answered**
Chosen Option : **4**

Q.2 **A dealer marks his goods at 20% above the cost price and allows a discount of 15%. What is his gain percentage?**

Ans
✘ 1. 3%
✘ 2. 4%
✔ 3. 2%
✘ 4. 1%

Question ID : **264330103616**
Status : **Answered**
Chosen Option : **3**

Q.3 A one metre pipe is made with inner diameter equal to outer radius. How much material (in cubic units) is required to make the pipe, if it can hold $\frac{88}{7}$ cubic metres water in it?

Ans
✔ 1. 37.7
✘ 2. 35.5
✘ 3. 33.3
✘ 4. 36.6

Question ID : **26433081745**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.4 **A boat can cover 120 km upstream and back in a total of 30 hours, and 25 km upstream and 40 km downstream in a total of 7 hours. How much distance will the boat cover in 16 hours in still water?**

Ans
✔ 1. 200 km
✘ 2. 180 km
✘ 3. 175 km
✘ 4. 225 km

Question ID : **264330143456**
Status : **Answered**
Chosen Option : **1**

Q.5 The ratio of the length to width of a certain rectangle is 3 : 2 and the area is 150 cm^2 .
The perimeter of the rectangle (in cm) is:

Ans
✗ 1. 20
✗ 2. 30
✓ 3. 50
✗ 4. 40

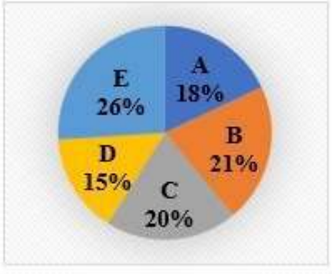
Question ID : **264330132766**
Status : **Answered**
Chosen Option : **3**

Q.6 If $2\,\text{Cot}\theta = 3$, then find the value of $\frac{\sqrt{13}\text{Sin}\theta - 3\tan\theta}{3\tan\theta + \sqrt{13}\text{Cos}\theta}$

Ans
✗ 1. $\frac{1}{\sqrt{13}}$
✗ 2. $\frac{2}{\sqrt{13}}$
✓ 3. 0
✗ 4. $\frac{2}{3}$

Question ID : **26433076315**
Status : **Answered**
Chosen Option : **3**

Q.7 The following pie chart represents the percentage distribution of girls in five girls' colleges A, B, C, D and E. The total number of girls in all the five colleges is 2,500.



What is the average number of girls in the colleges C and E?

Ans
✗ 1. 500
✗ 2. 650
✗ 3. 700
✓ 4. 575

Question ID : **264330131484**
Status : **Answered**
Chosen Option : **4**

Q.8 **Find the value of the given expression.**
2 + cos 49° cos 41° - sin 49° sin 41°

Ans
✔ 1. 2
✘ 2. − 1
✘ 3. 0
✘ 4. 1

Question ID : **264330123995**
Status : **Answered**
Chosen Option : **1**

Q.9 **During a school excursion each student of junior school was charged ₹325 and each student of senior school was charged ₹400. If there were 80 students from junior school and the combined average amount charged per student was ₹352, then how many students from senior school went for the excursion?**

Ans
✘ 1. 55
✔ 2. 45
✘ 3. 50
✘ 4. 40

Question ID : **264330131123**
Status : **Answered**
Chosen Option : **2**

Q.10 **A thief is noticed by a policeman from a distance of 500 m. The thief starts running and the policeman chases him. The thief and the policeman run at the rate of 17 km/h and 20 km/h, respectively. What is the distance between them after 8 minutes?**

Ans
✔ 1. 100 m
✘ 2. 180 m
✘ 3. 200 m
✘ 4. 150 m

Question ID : **264330130116**
Status : **Answered**
Chosen Option : **1**

Q.11 **If the length of a chord, drawn at a distance of 21 cm from the centre of a circle, is 40 cm, then the radius (in cm) of the circle is:**

Ans
✔ 1. 29
✘ 2. 21
✘ 3. 25
✘ 4. 20

Question ID : **264330143563**
Status : **Answered**
Chosen Option : **1**

Q.12 P, Q and R can complete a piece of work in 10 days, 15 days and 20 days, respectively. If they work together, in how many days can they finish the same work?

Ans

✔ 1. $4\frac{8}{13}$

✘ 2. $4\frac{3}{7}$

✘ 3. $4\frac{7}{13}$

✘ 4. $4\frac{5}{7}$

Question ID : **264330111483**
Status : **Answered**
Chosen Option : **1**

Q.13 Ankita sold her watch at 5% loss. If she had sold it for ₹300 more, she would have gained 5%. Find the selling price of the watch.

Ans

✘ 1. ₹2,900

✘ 2. ₹2,750

✘ 3. ₹3,000

✔ 4. ₹2,850

Question ID : **26433091541**
Status : **Answered**
Chosen Option : **4**

Q.14 What is the value of the given expression?

$$\frac{4^{a+4} - 5 \times 4^{a+2}}{15 \times 4^{a} - 2^{2} \times 4^{a}}$$

Ans

✔ 1. 16

✘ 2. 64

✘ 3. 20

✘ 4. 24

Question ID : **264330130052**
Status : **Not Answered**
Chosen Option : **--**

Q.15 If 720 ÷ 8 + 915 ÷ 15 – m + 32 x 5 = 1104 ÷ 16 x 111 ÷ 37, then the value of m is:

Ans

✔ 1. 104

✘ 2. 518

✘ 3. 207

✘ 4. 311

Question ID : **26433062619**
Status : **Answered**
Chosen Option : **1**

Q.16 P takes twice as long as Q or three times as long as R to complete a task. If they work together, they can complete the task in two days. How long will it take Q to complete the task on his own?

Ans
✗ 1. 8 days
✓ 2. 6 days
✗ 3. 5 days
✗ 4. 7 days

Question ID : **264330143494**
Status : **Answered**
Chosen Option : **2**

Q.17 The length of each side of a triangle is 12 cm. What is the length of the circumradius of the triangle?

Ans
✗ 1. $8\sqrt{3}$ cm
✗ 2. $2\sqrt{3}$ cm
✗ 3. $6\sqrt{3}$ cm
✓ 4. $4\sqrt{3}$ cm

Question ID : **264330143522**
Status : **Answered**
Chosen Option : **4**

Q.18 Solve the following.
22 – [9 – {6 – (10 – 4 + 3)}] ÷ 2 × 3

Ans
✗ 1. 12
✓ 2. 4
✗ 3. 3
✗ 4. 20

Question ID : **264330143496**
Status : **Answered**
Chosen Option : **2**

Q.19 A policeman chases a thief. The speeds of the policeman and the thief are 8 km/h and 6 km/h, respectively. If the policeman started 10 minutes late, at what distance he will catch the thief?

Ans
✗ 1. 6 km
✗ 2. 8 km
✓ 3. 4 km
✗ 4. 2 km

Question ID : **26433096365**
Status : **Answered**
Chosen Option : **3**

Q.20 If a=101, b=102 and c=103, then $a^2 + b^2 + c^2 - ab - bc - ca$ = _____.

Ans
✗ 1. 2
✗ 2. 4
✓ 3. 3
✗ 4. 6

Question ID : **26433091949**
Status : **Answered**
Chosen Option : **3**

Q.21 The number of students in different classes of a school is shown in the following bar graph.

The maximum difference in the number of students in any two classes is what percentage of the number of students in Class 7 (correct to two decimal places)?

Ans
✓ 1. 35.29%
✗ 2. 34.29%
✗ 3. 33.48%
✗ 4. 36.48%

Question ID : **264330131483**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.22 The rate at which a sum becomes four times of itself in 12 years at simple interest will be:

Ans
✗ 1. 20%
✓ 2. 25%
✗ 3. 35%
✗ 4. 30%

Question ID : **264330104519**
Status : **Answered**
Chosen Option : **2**

Q.23 **In January 2022, Kriti paid an EMI, which was 22% of her monthly salary. She spent the remaining salary on shopping of groceries and clothes in the ratio 7 : 5. She spent ₹18,200 on shopping of clothes. If, in February 2022, her salary increased by 16%, then what was her salary (in ₹) in February?**

Ans
✗ 1. 66,350
✗ 2. 68,520
✗ 3. 70,250
✓ 4. 64,960

Question ID : **264330131516**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Using the identity $\tan 2\alpha = \frac{2\tan\alpha}{1-\tan^2\alpha}$, find the value of $\tan 15°$, correct to three decimal places.

[Use $\sqrt{3} = 1.732$]

Ans
✓ 1. 0.268
✗ 2. 0.27
✗ 3. 0.267
✗ 4. 0.269

Question ID : **264330143516**
Status : **Not Answered**
Chosen Option : **--**

Q.25 **DE is a chord and KDE is a secant of a circle. If KD = 9 cm, DE = 7 cm and KH is a tangent to the circle at point H, then find KH.**

Ans
✓ 1. 12 cm
✗ 2. 25 cm
✗ 3. 16 cm
✗ 4. 144 cm

Question ID : **264330143592**
Status : **Answered**
Chosen Option : **1**

Section : **English Comprehension**

Q.1 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**
A. The movement began in reaction to the ugliness of the industrial age.
B. This idea was amplified by JW von Goethe, JL Tieck and others in Germany.
C. Aestheticism was a European arts movement which centred on the doctrine that art exists for the sake of its beauty alone.
D. Its philosophical foundations were laid in the 18th century by Immanuel Kant.

Ans
✗ 1. BADC
✓ 2. CADB
✗ 3. CBDA
✗ 4. ADBC

Question ID : **26433098957**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.2 **Select the INCORRECTLY spelt word.**

Ans
✗ 1. Adequate
✗ 2. Precaution
✓ 3. Cowardise
✗ 4. Ridiculous

Question ID : **26433089086**
Status : **Answered**
Chosen Option : **3**

Q.3 **Select the most appropriate ANTONYM of the given word.**

Clear

Ans
✗ 1. Clean
✓ 2. Opaque
✗ 3. Mess
✗ 4. Untidy

Question ID : **26433090565**
Status : **Answered**
Chosen Option : **2**

Q.4 **Select the option that expresses the given sentence in passive voice.**
Myra installed the new software on her computer.

Ans
✗ 1. The new software had installed Myra on her computer.
✗ 2. The new software is installed by Myra on her computer.
✗ 3. The new software were install by Myra on her computer.
✓ 4. The new software was installed by Myra on her computer.

Question ID : **264330139311**
Status : **Answered**
Chosen Option : **4**

Q.5 **Select the most appropriate ANTONYM of the underlined word.**
My energy waned to see my college team performing poorly in the match.

Ans
1. Declined
2. Dimmed
3. Abated
4. Grew

Question ID : **264330121877**
Status : **Answered**
Chosen Option : **4**

Q.6 **Select the option that expresses the given sentence in active voice.**
Shivam will be invited by us.

Ans
1. We shall invite Shivam.
2. We have invited Shivam.
3. Shivam would be invited by us.
4. We would invite Shivam.

Question ID : **264330121834**
Status : **Answered**
Chosen Option : **1**

Q.7 **Select the option that can be used as a one-word substitute for the given group of words.**

Causing or wanting to cause harm or evil to someone

Ans
1. Chaotic
2. Malevolent
3. Insipid
4. Rancour

Question ID : **26433073681**
Status : **Answered**
Chosen Option : **2**

Q.8 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A.Another boy tried his luck and won a comb, a fountain pen, wristwatch and a table lamp one after the other in many chances that he played.
B.An old man won a beautiful clock. The old man did not want the clock, so the shopkeeper took it back and paid 15 rupees to the old man.
C.Bhaiya encouraged him, but Rasheed was not lucky when he tried his luck. He won only cheap items like pencils and an inkbottle, and soon lost all his money.
D.He sold all the items to the shopkeeper and went away happily. Rasheed also wanted to play and try his luck.

Ans
1. BADC
2. DCAB
3. BDCA
4. BCDA

Question ID : **26433096942**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.9 **Select the most appropriate synonym of the given word.**

Genuine

Ans
1. Authentic
2. Deceptive
3. Fabricated
4. Erroneous

Question ID : **26433073695**
Status : **Answered**
Chosen Option : **1**

Q.10 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**
I am sure that / the postman would be / coming shortly / to deliver the letter.

Ans
1. I am sure that
2. coming shortly
3. to deliver the letter
4. the postman would be

Question ID : **26433086362**
Status : **Answered**
Chosen Option : **4**

Q.11 **Select the most appropriate idiom/phrase that can substitute the underlined segment in the given sentence.**

This incident occurred without a warning.

Ans
1. On thin ice
2. Bolt from the blue
3. Ignorance is bliss
4. Play devil's advocate

Question ID : **26433088779**
Status : **Answered**
Chosen Option : **2**

Q.12 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A."The most essential thing I learnt from 'Ready Now!' was the need of having a backup plan in case of an emergency," she stated.
B.The instruction, according to Nickola, was inspiring and confirmed her capacity to live effectively with a disability.
C.I made sure I had a generator, wheelchair batteries and at least a week's worth of food, water and prescription medication."
D."When I heard about the impending snowstorm, I emailed all of my caregivers to see who lived nearby and would be accessible."

Ans
✔ 1. ADCB
✘ 2. ACBD
✘ 3. CDAB
✘ 4. BCDA

Question ID : **26433096982**
Status : **Answered**
Chosen Option : **1**

Q.13 **Sentences with spelling errors are given. Select the sentence with NO error.**

Ans
✘ 1. The psycologists who are a major part of the investigasion interviewed the witnesses.
✘ 2. The psychologists who are a major part of the investigasion interviewed the witneses.
✘ 3. The psycologists who are a major part of the investigation interviewed the witneses.
✔ 4. The psychologists who are a major part of the investigation interviewed the witnesses.

Question ID : **26433092929**
Status : **Answered**
Chosen Option : **4**

Q.14 **Select the most appropriate ANTONYM of the underlined word.**
She is a <u>veteran</u> journalist known for her powerful writing style.

Ans
✘ 1. Renowned
✘ 2. Creviced
✘ 3. Conditioned
✔ 4. Novice

Question ID : **26433097021**
Status : **Answered**
Chosen Option : **4**

Q.15 **Choose the ANTONYM of the word 'fetish' in the given sentence.**

Shilpi has a fixed indifference and obsession towards problems in life.

Ans
✔ 1. Indifference
✘ 2. Fixed
✘ 3. Problems
✘ 4. Obsession

Question ID : **26433088899**
Status : **Answered**
Chosen Option : **1**

Q.16 **Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.**

A.Anime is a style of animation popular in Japanese films.
B.Modern anime began in 1956 and found lasting success in 1961 with the establishment of Mushi Productions.
C.At the turn of the 21st century, anime began to attain wide international popularity with the Pokémon television series.
D.Much of the genre is aimed at children, but anime films are sometimes marked by adult themes and subject matter.

Ans
✗ 1. BADC
✗ 2. DBAC
✓ 3. ADBC
✗ 4. ACBD

Question ID : **26433096946**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the most appropriate option to fill in the blank.**
The sermon of the priest was very short and _____.

Ans
✗ 1. coned
✗ 2. conveyance
✓ 3. concise
✗ 4. consisted

Question ID : **264330117220**
Status : **Answered**
Chosen Option : **3**

Q.18 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

Maruti likes / adventure / stories, especially / an adventures of Tarzan.

Ans
✗ 1. stories, especially
✓ 2. an adventures of Tarzan
✗ 3. Maruti likes
✗ 4. adventure

Question ID : **26433092283**
Status : **Answered**
Chosen Option : **4**

Q.19 **Identify the idiom/phrase that can best substitute the underlined segment.**

You showed me your <u>true personality</u> when you asked me to get out of the house at midnight.

Ans
✓ 1. true colours
✗ 2. bed of roses
✗ 3. hot potato
✗ 4. white elephant

Question ID : **26433088460**
Status : **Answered**
Chosen Option : **1**

Q.20 **Select the most appropriate option that can substitute the underlined segment in the given sentence.**
If only <u>I was young again</u> .

Ans
✔ 1. I were young again
✘ 2. I be young again
✘ 3. I will be young again
✘ 4. I am young again

Question ID : **26433098868**
Status : **Answered**
Chosen Option : **1**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Social media can have (1) _____ effects on mental health, with studies suggesting that excessive use can lead to feelings of anxiety, depression, and loneliness. To combat these negative effects, experts recommend setting (2) _____ for social media use. Other strategies include (3) _____ with friends and family in person, engaging in hobbies or physical activity, and seeking professional (4) _____ if necessary. As such, it's important to be (5) _____ of its potential drawbacks and take steps to use it in a healthy and balanced way.

SubQuestion No : 21

Q.21 **Select the most appropriate option to fill in blank no. 1.**

Ans
✘ 1. delirious
✘ 2. desirous
✔ 3. detrimental
✘ 4. positive

Question ID : **264330137504**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Social media can have (1) _____ effects on mental health, with studies suggesting that excessive use can lead to feelings of anxiety, depression, and loneliness. To combat these negative effects, experts recommend setting (2) _____ for social media use. Other strategies include (3) _____ with friends and family in person, engaging in hobbies or physical activity, and seeking professional (4) _____ if necessary. As such, it's important to be (5) _____ of its potential drawbacks and take steps to use it in a healthy and balanced way.

SubQuestion No : 22

Q.22 **Select the most appropriate option to fill in blank no. 2.**

Ans
✘ 1. principles
✘ 2. goals
✔ 3. rules
✘ 4. standards

Question ID : **264330137505**
Status : **Answered**
Chosen Option : **3**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Social media can have (1) _____ effects on mental health, with studies suggesting that excessive use can lead to feelings of anxiety, depression, and loneliness. To combat these negative effects, experts recommend setting (2) _____ for social media use. Other strategies include (3) _____ with friends and family in person, engaging in hobbies or physical activity, and seeking professional (4) _____ if necessary. As such, it's important to be (5) _____ of its potential drawbacks and take steps to use it in a healthy and balanced way.

SubQuestion No : 23

Q.23 Select the most appropriate option to fill in blank no. 3.

Ans

✗ 1. cooperating

✗ 2. involving

✗ 3. entrusting

✓ 4. interacting

Question ID : **264330137506**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Social media can have (1) _____ effects on mental health, with studies suggesting that excessive use can lead to feelings of anxiety, depression, and loneliness. To combat these negative effects, experts recommend setting (2) _____ for social media use. Other strategies include (3) _____ with friends and family in person, engaging in hobbies or physical activity, and seeking professional (4) _____ if necessary. As such, it's important to be (5) _____ of its potential drawbacks and take steps to use it in a healthy and balanced way.

SubQuestion No : 24

Q.24 Select the most appropriate option to fill in blank no. 4.

Ans

✗ 1. concern

✗ 2. advise

✗ 3. information

✓ 4. guidance

Question ID : **264330137507**
Status : **Answered**
Chosen Option : **4**

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Social media can have (1) _____ effects on mental health, with studies suggesting that excessive use can lead to feelings of anxiety, depression, and loneliness. To combat these negative effects, experts recommend setting (2) _____ for social media use. Other strategies include (3) _____ with friends and family in person, engaging in hobbies or physical activity, and seeking professional (4) _____ if necessary. As such, it's important to be (5) _____ of its potential drawbacks and take steps to use it in a healthy and balanced way.

SubQuestion No : 25

Q.25 Select the most appropriate option to fill in blank no. 5.

Ans

✗ 1. indifferent

✓ 2. cognizant

✗ 3. sceptical

✗ 4. ignorant

Question ID : **264330137508**
Status : **Answered**
Chosen Option : **2**