Combined Graduate Level Examination Tier I 2022

Roll Number	
Candidate Name	
Venue Name	iON Digital Zone iDZ Laxman Nagar
Exam Date	09/12/2022
Exam Time	11:45 AM - 12:45 PM
Subject	Combined Graduate Level Examination Tier I 2022

Section : **General Intelligence and Reasoning**

Q.1 **In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.**
Statements:
I. All A are M.
II. No M is B.
Conclusion:
I. Some M are A.
II. Some B are M.
III. Some A are B.

Ans
✗ 1. Both conclusions I and III follows
✗ 2. Both conclusions II and III follows
✓ 3. Only conclusion I follows
✗ 4. Only conclusion II follows

Question ID : **264330104938**
Status : **Answered**
Chosen Option : **3**

Q.2 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
(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).
(56, 22, 26)
(34, 20, 18)

Ans
✓ 1. (78, 54, 44)
✗ 2. (23, 8, 10)
✗ 3. (58, 16, 21)
✗ 4. (45, 12, 33)

Question ID : **26433074776**
Status : **Answered**
Chosen Option : **1**

Q.3 **Which letter cluster will replace the question mark (?) to complete the given series?**
CBOM, FCQN, ?, LEUP, OFWQ

Ans
✗ 1. HDSO
✓ 2. IDSO
✗ 3. IDSP
✗ 4. IDTO

Question ID : **26433059857**
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. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word)**
Dentist : Teeth :: Dermatologist : ?

Ans
✗ 1. Bones
✗ 2. Blood vessels
✗ 3. Blood
✓ 4. Skin

Question ID : **26433067803**
Status : **Answered**
Chosen Option : **1**

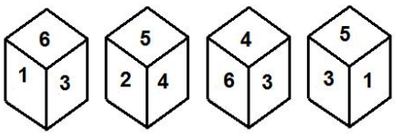
Q.5 **Select the set in which the numbers are related in the same way as are the numbers of the following set.**
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits.)

(21, 225, 9)
(12, 49, 2)

Ans
✓ 1. (14, 64, 2)
✗ 2. (11, 18, 7)
✗ 3. (15, 54, 3)
✗ 4. (13, 81, 6)

Question ID : **26433069229**
Status : **Answered**
Chosen Option : **4**

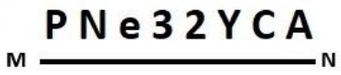
Q.6 Four different positions of the same dice are shown, the six faces of which are numbered 1 to 6. Select the number that will be on the face opposite to the one showing '3'.

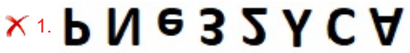
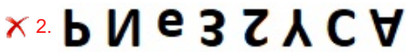


Ans
✗ 1. 5
✗ 2. 6
✗ 3. 1
✓ 4. 2

Question ID : **26433078865**
Status : **Answered**
Chosen Option : **4**

Q.7 Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



Ans
1. 
2. 
3.
4.

Question ID : **26433080794**
Status : **Answered**
Chosen Option : **1**

Q.8 **In a certain code language, 'ADAPTATION' is written as 'DAPAATITNO', 'SKATEBOARD' is written as 'KSTABEAODR'. How will 'LIGHTBOARD' be written in that language?**

Ans
1. ILHGBATODR
2. ILHGBTAODR
3. ILHGBTOADR
4. ILHGTBAODR

Question ID : **26433068237**
Status : **Answered**
Chosen Option : **2**

Q.9 **In a certain code language, 'SHIRTS' is written as 'LKVVWU' and 'KURTAS' is written as 'UXNVDW'. How will 'FABRIC' be written in that language?**

Ans
1. EELBLU
2. EDIFLU
3. DEIGLV
4. EDIGLU

Question ID : **26433065622**
Status : **Answered**
Chosen Option : **4**

Q.10 **By interchanging the given two signs and numbers which of the following equation will be not correct?**
+ and ×, 5 and 4
I. 4 + 8 × 5 – 7 ÷ 1 = 37
II. 5 × 3 – 4 + 6 ÷ 2 = –8

Ans
1. Only II
2. Neither I nor II
3. Only I
4. Both I and II

Question ID : **264330105144**
Status : **Answered**
Chosen Option : **4**

Q.11 **If A × B means that A is the mother of B, A – B means that A is the father of B, A ÷ B means that A is the sister of B, then which of the following expression shows that P is the paternal grandmother of R?**

Ans

✗ 1. P ÷ R – Q

✗ 2. P × Q ÷ R

✗ 3. Q × P – R

✓ 4. P × Q – R

Question ID : **264330104960**
Status : **Answered**
Chosen Option : **4**

Q.12 **Which number will replace the question mark (?) in the following series?**
3, 13, 53, 213, ?, 3413

Ans

✗ 1. 1053

✓ 2. 853

✗ 3. 953

✗ 4. 753

Question ID : **26433067596**
Status : **Answered**
Chosen Option : **2**

Q.13 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 : **26433069163**
Status : **Answered**
Chosen Option : **3**

Q.14 **Select the odd group of numbers. (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. (137 –142 –147)

✓ 2. (117 –122 –129)

✗ 3. (103 –108 –113)

✗ 4. (131 –136 –141)

Question ID : **264330105079**
Status : **Answered**
Chosen Option : **2**

Q.15 **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:
Some clowns are artists.
All artists are smart.
All smarts are rich.

Conclusions:
I. All artists are rich.
II. Some clowns are smart.
III. All clowns are artists.

Ans
✗ 1. All conclusions follow.
✗ 2. Both conclusions II and III follow.
✓ 3. Both conclusions I and II follow.
✗ 4. Both conclusions I and III follow.

Question ID : **26433074641**
Status : **Answered**
Chosen Option : **3**

Q.16 **Which two signs and two numbers should be interchanged in the following equation to make it correct?**
60 × 3 + 660 ÷ 6 – 20 = 290

Ans
✗ 1. 6 and 660, × and ÷
✗ 2. 20 and 6, + and -
✓ 3. 20 and 60, + and ×
✗ 4. 20 and 660, + and ÷

Question ID : **26433096018**
Status : **Answered**
Chosen Option : **4**

Q.17 **Select the option that represents the correct order of the given words as they would appear in an English dictionary.**
1- Perpend
2- Perplex
3- Pernicious
4- Perpetrate
5- Perpetual

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

Question ID : **26433079441**
Status : **Answered**
Chosen Option : **4**

Q.18 **Which two signs should be interchanged to make the given equation correct?**
81 + 3 ÷ 9 * 5 – 12 = 60

Ans
✓ 1. ÷ and +
✗ 2. + and *
✗ 3. ÷ and −
✗ 4. + and −

Question ID : **26433067844**
Status : **Answered**
Chosen Option : **1**

Q.19 **Three of the following letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?**

Ans
✗ 1. MKOJ
✗ 2. URWQ
✗ 3. EQGP
✓ 4. XFWE

Question ID : **26433080459**
Status : **Answered**
Chosen Option : **4**

Q.20 **A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.**
NMR, QFZ, TYH, WRP, ?

Ans
✗ 1. ZRS
✓ 2. ZKX
✗ 3. ZXY
✗ 4. ZAM

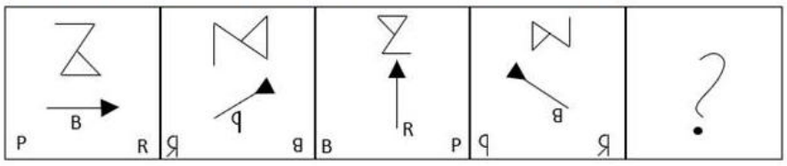
Question ID : **264330104794**
Status : **Answered**
Chosen Option : **2**

Q.21 **A & B means 'A is the wife of B'**
A # B means 'A is the sister of B'
A @ B means 'A is the husband of B'
A % B means 'A is the father of B'
If S & T % R @ P # Q , then how is S related to P?

Ans
✓ 1. Mother-in-law
✗ 2. Wife
✗ 3. Sister
✗ 4. Mother

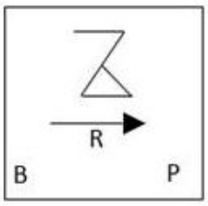
Question ID : **26433065965**
Status : **Answered**
Chosen Option : **1**

Q.22 Select the figure that will come next in the following figure series.

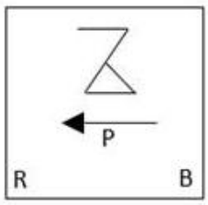


Ans

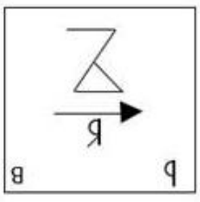
✗ 1.



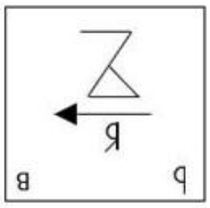
✓ 2.



✗ 3.



✗ 4.



Question ID : **26433068472**
Status : **Answered**
Chosen Option : **2**

Q.23 **Select the option that is related to the third word in the same way as the second word is related to the first word.**
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)
Horse : Stable :: Hen : ?

Ans

✗ 1. Farm

✗ 2. Pen

✓ 3. Coop

✗ 4. Shed

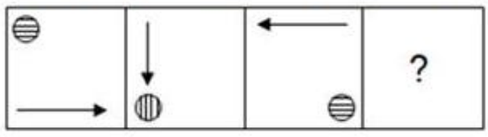
Question ID : **26433056815**
Status : **Answered**
Chosen Option : **3**

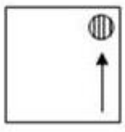
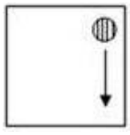
Q.24 **Select the set in which the numbers are related in the same way as are the numbers of the following sets.**
(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding / subtracting / multiplying 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)
(76, 75, 1)
(90, 87, 9)

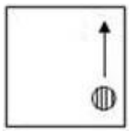
Ans
✗ 1. (100, 85, 125)
✓ 2. (56, 48, 64)
✗ 3. (16, 4, 57)
✗ 4. (87, 56, 900)

Question ID : **26433079130**
Status : **Answered**
Chosen Option : **2**

Q.25 Select the figure that will come next in the following series.



Ans
✓ 1.

✗ 2.

✗ 3.

✗ 4.


Question ID : **26433078978**
Status : **Answered**
Chosen Option : **1**

Section : **General Awareness**

Q.1 **Buckminsterfullerene is a nanoparticle characterised by spherical geometry and a hollow interior which contains how many carbon atoms?**

Ans
✓ 1. 60
✗ 2. 50
✗ 3. 40
✗ 4. 70

Question ID : **26433064069**
Status : **Answered**
Chosen Option : **1**

Q.2 **The pH of a neutral solution is _____.**

Ans
- ✔ 1. 7
- ✘ 2. 0
- ✘ 3. 8
- ✘ 4. 14

Question ID : **264330105480**
Status : **Answered**
Chosen Option : **1**

Q.3 **Total deposits with Post Office savings organisations are included in which money supply aggregate?**

Ans
- ✘ 1. M1
- ✘ 2. M3
- ✔ 3. M4
- ✘ 4. M2

Question ID : **264330105382**
Status : **Not Answered**
Chosen Option : **--**

Q.4 **India's first high-speed rail line is being constructed between (as of February 2022):**

Ans
- ✘ 1. Mumbai-Pune
- ✘ 2. Delhi-Meerut
- ✔ 3. Mumbai-Ahmedabad
- ✘ 4. Delhi-Mumbai

Question ID : **26433092872**
Status : **Answered**
Chosen Option : **1**

Q.5 **Which of the following is NOT mentioned in the Indian Constitution as a Fundamental Duty?**

Ans
- ✔ 1. To respect elders
- ✘ 2. To promote harmony
- ✘ 3. To safeguard public property
- ✘ 4. To defend the country

Question ID : **26433086786**
Status : **Answered**
Chosen Option : **4**

Q.6 **Who among the following received the MS Subbulakshmi Award from the Tamil Nadu Eyal Isai Nataka Manram for the year 2020?**

Ans
- ✘ 1. Harini
- ✔ 2. Vani Jairam
- ✘ 3. L.R.Eswari
- ✘ 4. Saindhavi

Question ID : **26433054479**
Status : **Not Answered**
Chosen Option : **--**

Q.7 **In August 2022, Uttarakhand Chief Minister named which cricketer as the brand ambassador of the state?**

Ans
- ✔ 1. Rishabh Pant
- ✘ 2. Hardik Pandya
- ✘ 3. Yuvraj Singh
- ✘ 4. Virat Kohli

Question ID : **264330105344**
Status : **Answered**
Chosen Option : **1**

Q.8 **Police of which State/UT launched the Anubhuti-QR Code-based feedback system in February 2022?**

Ans
- ✘ 1. Madhya Pradesh
- ✘ 2. Goa
- ✘ 3. Maharashtra
- ✔ 4. Delhi

Question ID : **264330105209**
Status : **Not Answered**
Chosen Option : **--**

Q.9 **The first session of All India Depressed Classes congress was held at _____ in 1930.**

Ans
- ✔ 1. Nagpur
- ✘ 2. Surat
- ✘ 3. Delhi
- ✘ 4. Kanpur

Question ID : **26433085284**
Status : **Answered**
Chosen Option : **1**

Q.10 **Which of the following cities did not hosted matches of FIFA U-17 Women's World Cup 2022 in India?**

Ans
- ✔ 1. New Delhi
- ✘ 2. Navi Mumbai
- ✘ 3. Goa
- ✘ 4. Bhubaneswar

Question ID : **26433064283**
Status : **Not Answered**
Chosen Option : **--**

Q.11 **A good proportion of the _____ produced during the green revolution period (available as marketed surplus) was sold by the farmers in the market.**

Ans
- ✘ 1. Rice and gram
- ✘ 2. Wheat and maize
- ✔ 3. Wheat and rice
- ✘ 4. Wheat and gram

Question ID : **26433065457**
Status : **Answered**
Chosen Option : **3**

Q.12 Which of the following rivers flow through a rift valley?

Ans
- ✗ 1. Son
- ✗ 2. Koshi
- ✗ 3. Luni
- ✓ 4. Tapi

Question ID : **26433066517**
Status : **Not Answered**
Chosen Option : **--**

Q.13 _____ unemployment occurs with changes in economic activity over the business cycle.

Ans
- ✗ 1. Frictional
- ✓ 2. Cyclical
- ✗ 3. Structural
- ✗ 4. Technological

Question ID : **264330105522**
Status : **Not Answered**
Chosen Option : **--**

Q.14 Which of the following territories to the south and north were made part of the Chola kingdom by the successors of the ruler Vijayalaya?

Ans
- ✗ 1. Pallava and Chera
- ✓ 2. Pandyan and Pallava
- ✗ 3. Rashtrakuta and Chera
- ✗ 4. Vakataka and Satvahana

Question ID : **264330105418**
Status : **Not Answered**
Chosen Option : **--**

Q.15 Sharodi Saikia is an exponent of which Indian classical dance form?

Ans
- ✓ 1. Sattriya
- ✗ 2. Kuchipudi
- ✗ 3. Bharatanatyam
- ✗ 4. Kathak

Question ID : **26433054325**
Status : **Not Answered**
Chosen Option : **--**

Q.16 Kumkum Mohanty, an Odissi dancer received which of the following awards in 2005?

Ans
- ✗ 1. Padma Bhushan
- ✗ 2. Kalidas Samman
- ✓ 3. Padma Shri
- ✗ 4. Padma Vibhushan

Question ID : **26433090710**
Status : **Not Answered**
Chosen Option : **--**

Q.17 _____ is the fundamental structural unit of living organisms.

Ans
1. Organ system
2. Tissue
3. Organ
4. Cell

Question ID : **264330105449**
Status : **Answered**
Chosen Option : **4**

Q.18 Which of the following commissions recommended that “the appointment of Governor should be non-partisan”?

Ans
1. Fazal Ali Commission
2. Rajmannar commission
3. Sarkaria commission
4. Mandal commission

Question ID : **26433064843**
Status : **Answered**
Chosen Option : **3**

Q.19 The Ennum Ezhuthum scheme was launched by the Tamil Nadu government to ensure foundational Literacy and Numeracy by 2025. This scheme was launched to bridge the learning gap among students aged _____.

Ans
1. between 10 and 15
2. under 5
3. under 8
4. between 6 and 10

Question ID : **264330105349**
Status : **Answered**
Chosen Option : **1**

Q.20 Which act allows the government to confiscate the assets of newspaper in case of publishing anything “objectionable”?

Ans
1. Ilbert Act, 1883
2. Vernacular Press Act, 1878
3. Media Act, 1883
4. Newspaper Act, 1855

Question ID : **264330105564**
Status : **Not Answered**
Chosen Option : **--**

Q.21 Which of the following is a festival of merriment and heralds the Assamese New Year and the onset of spring?

Ans
1. Ali-ai-ligang
2. Me-Dum-Me-Phi
3. Bohag Bihu
4. Kati Bihu

Question ID : **26433070822**
Status : **Answered**
Chosen Option : **3**

Q.22 The lava plateaus are rich in which kind of soil?

Ans
✗ 1. Laterite soil
✗ 2. Alluvial soil
✗ 3. Red soil
✓ 4. Black soil

Question ID : **264330105629**
Status : **Answered**
Chosen Option : **1**

Q.23 The T-20 Cricket World Cup for women was held in which country in 2020?

Ans
✗ 1. United Kingdom
✗ 2. India
✗ 3. West Indies
✓ 4. Australia

Question ID : **26433070833**
Status : **Not Answered**
Chosen Option : **--**

Q.24 Which of the following is known as ammonia?

Ans
✓ 1. NH_3
✗ 2. PH_3
✗ 3. NO_3
✗ 4. NO_2

Question ID : **26433066461**
Status : **Answered**
Chosen Option : **1**

Q.25 Ashoka appointed _____ to solve the social problems in his region.

Ans
✗ 1. samaharta
✗ 2. nyayadheesh
✗ 3. amatya
✓ 4. dhamma mahamatta

Question ID : **264330105175**
Status : **Answered**
Chosen Option : **1**

Section : **Quantitative Aptitude**

Q.1 **The table given below shows the number of officers working in six companies.**

Companies	Officers
D	400
E	500
F	600
G	350
H	450
I	800

What is the total number of officers working in all the companies?

Ans

✗ 1. 2900

✗ 2. 2600

✗ 3. 3400

✓ 4. 3100

Question ID : **264330105734**
Status : **Answered**
Chosen Option : **4**

Q.2 If $\cos(A - B) = \frac{\sqrt{3}}{2}$, and $\cos(A + B) = 0$, where A and B are positive acute angles and $A \geq B$, then the measures of A and B are:

Ans

✗ 1. 80° and 10°

✓ 2. 60° and 30°

✗ 3. 70° and 20°

✗ 4. 50° and 40°

Question ID : **26433083015**
Status : **Answered**
Chosen Option : **2**

Q.3 **A person travels in a car at 40 km/h for 3 hours, on a bike at 30 km/h for 2 hours, and in a train at 80 km/h for 5 hours. What is the average speed at which he travelled?**

Ans

✗ 1. 56 km/h

✗ 2. 60 km/h

✗ 3. 62 km/h

✓ 4. 58 km/h

Question ID : **26433063920**
Status : **Answered**
Chosen Option : **4**

Q.4 If $x^2 + \frac{1}{x^2} = 66$, the value of $x - \frac{1}{x}$ is _____.

Ans

✗ 1. 10

✓ 2. 8

✗ 3. 9

✗ 4. 6

Question ID : **26433066404**
Status : **Answered**
Chosen Option : **2**

Q.5 If $\tan A = \frac{2}{3}$, then find sinA.

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

Question ID : **26433057164**
Status : **Answered**
Chosen Option : **2**

Q.6 **20 men can finish a work in 220 days, but at the end of 90 days, 20 additional men are employed. In how many more days will the work be completed?**

Ans
✗ 1. 50
✗ 2. 60
✓ 3. 65
✗ 4. 55

Question ID : **26433073094**
Status : **Answered**
Chosen Option : **3**

Q.7 If $\frac{\sin\theta+\cos\theta}{\sin\theta-\cos\theta} = \frac{3}{2}$, then the value of $\sin^4\theta - \cos^4\theta$ is:

Ans
✗ 1. $\frac{5}{12}$
✓ 2. $\frac{12}{13}$
✗ 3. $\frac{11}{12}$
✗ 4. $\frac{5}{13}$

Question ID : **26433061105**
Status : **Answered**
Chosen Option : **2**

Q.8 **The length of the side of a cube is 2.8 cm. What is the volume of the largest sphere that can be taken out of the cube?**

Ans
✓ 1. 11.50 cm^3
✗ 2. 1.15 cm^3
✗ 3. 11.55 cm^3
✗ 4. 115 cm^3

Question ID : **264330105882**
Status : **Answered**
Chosen Option : **1**

Q.9 In a circle of radius 3 cm, two chords of length 2 cm and 3 cm lie on the same side of a diameter. What is the perpendicular distance between the two chords?

Ans
1. $\frac{4\sqrt{3}-3\sqrt{2}}{2}$ cm
2. $\frac{4\sqrt{2}-3\sqrt{3}}{2}$ cm
3. $\frac{4\sqrt{2}-3\sqrt{3}}{3}$ cm
4. $\frac{4\sqrt{2}-3\sqrt{3}}{4}$ cm

Question ID : **26433066252**
Status : **Answered**
Chosen Option : **2**

Q.10 If $k+\frac{1}{k}=4$, then what is the value of $k^4+\frac{1}{k^4}$?

Ans
1. 410
2. 192
3. 212
4. 194

Question ID : **264330105943**
Status : **Answered**
Chosen Option : **4**

Q.11 The ratio of candidates passing and failing within the State.

State	A	B	C
No. of Students (in lakh)	1.50	1.40	1.75

State	Passing : Failing
A	6:5
B	3:4
C	8:2

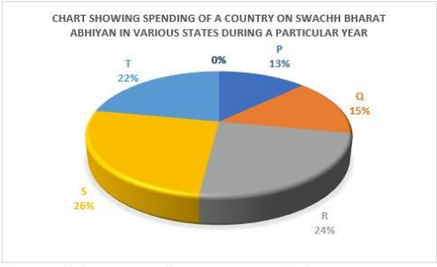
What is the number of passing students in State B?

Ans
1. 0.6 lakh
2. 0.7 lakh
3. 0.4 lakh
4. 0.3 lakh

Question ID : **26433080386**
Status : **Answered**
Chosen Option : **1**

Q.12 The following pie chart shows the spending of a country on Swachh Bharat Abhiyan in various states during a particular year. Total spending of the country = 1620 crores

Study the pie chart and answer the following question.



How much less money is spent on state P than on state S?

Ans

✗ 1. 211 crores

✗ 2. 211.2 crores

✗ 3. 205 crores

✓ 4. 210.6 crores

Question ID : **26433079900**
Status : **Answered**
Chosen Option : **4**

Q.13 **The LCM of 144, 360 and 450 is:**

Ans

✗ 1. 4800

✓ 2. 3600

✗ 3. 7200

✗ 4. 2400

Question ID : **26433075964**
Status : **Answered**
Chosen Option : **2**

Q.14 **A shopkeeper offers a cash discount of ₹ 85 first and then two successive discounts of 10% and 2% on the marked price of a fan. If the marked price of the fan is ₹ 1,285, what is its selling price (in ₹)?**

Ans

✓ 1. 1058.4

✗ 2. 1000.4

✗ 3. 958.4

✗ 4. 1100

Question ID : **26433075551**
Status : **Answered**
Chosen Option : **1**

Q.15 **Sofia sold an iPhone at the cost of Rs.46,068 at a loss of 12%. At what cost will she have to sell it to get a profit of 18%?**

Ans

✓ 1. Rs.61,773

✗ 2. Rs.65,773

✗ 3. Rs.58,350

✗ 4. Rs.52,350

Question ID : **26433063689**
Status : **Answered**
Chosen Option : **1**

Q.16 If the number 123456789 is divided by 9, then the remainder is:

Ans
✔ 1. 0
✘ 2. 1
✘ 3. 2
✘ 4. 3

Question ID : **26433062622**
Status : **Answered**
Chosen Option : **1**

Q.17 Menu and Daya travel from point A to B, a distance of 105 km, at speeds of 10 km/h and 25 km/h, respectively. Daya reaches point B first and returns immediately and meets Menu at point C. Find the distance from point A to point C.

Ans
✘ 1. 35 km
✔ 2. 60 km
✘ 3. 45 km
✘ 4. 62 km

Question ID : **26433083050**
Status : **Answered**
Chosen Option : **2**

Q.18 If 36 : 81 :: X : 63, what is the value of X?

Ans
✘ 1. 30
✘ 2. 31
✔ 3. 28
✘ 4. 29

Question ID : **26433066362**
Status : **Answered**
Chosen Option : **3**

Q.19 Triangle ABC and DEF are similar. If AB = 92 cm, BC = 48 cm, AC =120 cm, and the length of the smallest side of DEF is 200 cm, then find the length of the longest side of triangle DEF?

Ans
✘ 1. 400 cm
✘ 2. 225 cm
✘ 3. 350 cm
✔ 4. 500 cm

Question ID : **26433075962**
Status : **Answered**
Chosen Option : **4**

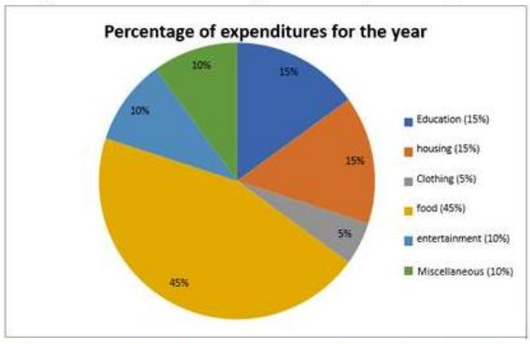
Q.20 In an election contested between two candidates, 15% of the total voters did not cast their votes and 100 votes got disqualified. The candidate who won the election won it by securing 45% of the total votes and won by a margin of 400 votes. Find the total number of voters?

Ans
✔ 1. 6,000
✘ 2. 3,600
✘ 3. 10,000
✘ 4. 3,500

Question ID : **26433075909**
Status : **Answered**
Chosen Option : **1**

Q.21 Study the given pie-chart and answer the question that follows.

The pie-chart shows the expenditure by a family on different heads.



The angle formed by the sector representing education at the centre of the circle is:

Ans

✗ 1. 45°

✓ 2. 54°

✗ 3. 67°

✗ 4. 60°

Question ID : **26433076114**
Status : **Answered**
Chosen Option : **2**

Q.22 **Two angles of a triangle are equal and the third angle measures 78°. What is the measure of each of the unknown angles?**

Ans

✗ 1. 50°

✓ 2. 51°

✗ 3. 49°

✗ 4. 52°

Question ID : **26433066370**
Status : **Answered**
Chosen Option : **2**

Q.23 **What is the present value of Rs.10,000 received in 2 years, if the interest rate is 12% per year discounted semi-annually?**

Ans

✗ 1. Rs.7,020.94

✗ 2. Rs.7,920.90

✓ 3. Rs.7,920.94

✗ 4. Rs.7,900.94

Question ID : **26433092173**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.24 **A conical vessel (solid) is made of iron. Its base radius is 7 cm and height is 15 cm. If the weight of the iron per cubic centimetre is 15 g, what is the weight of the vessel?**

Ans

✗ 1. 13.55 kg

✗ 2. 12.55 kg

✗ 3. 14.55 kg

✓ 4. 11.55 kg

Question ID : **26433063906**
Status : **Answered**
Chosen Option : **4**

Q.25 If p + q = 6 and pq = 4, then what is the value of $3(p^3 + q^3)$?

Ans
✗ 1. 512
✗ 2. 144
✗ 3. 288
✓ 4. 432

Question ID : **264330105918**
Status : **Answered**
Chosen Option : **4**

Section : **English Comprehension**

Q.1 Select the most appropriate synonym of the underlined word in the given sentence.

Try to be <u>frugal</u> with your hard-earned money.

Ans
✗ 1. Imprudent
✓ 2. Economical
✗ 3. Negligent
✗ 4. Honest

Question ID : **26433071962**
Status : **Answered**
Chosen Option : **2**

Q.2 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.It is considered the biggest carnival event in the world.
B.Rio carnival is celebrated every year before lent.
C.A typical Rio carnival is filled with floats, revelers and adornments from numerous Samba schools in Rio.
D.Every school is specially ordered to follow their parade entries.

Ans
✓ 1. BACD
✗ 2. ABDC
✗ 3. BCDA
✗ 4. ACDB

Question ID : **26433072384**
Status : **Answered**
Chosen Option : **1**

Q.3 Select the INCORRECTLY spelt word.

Ans
✓ 1. Laproscopy
✗ 2. Generate
✗ 3. Intermittent
✗ 4. Guise

Question ID : **26433063148**
Status : **Answered**
Chosen Option : **4**

Q.4 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

A book market / was been operated by some readers / in the street when / they reached there.

Ans
✗ 1. they reached there.
✗ 2. A book market
✓ 3. was been operated by some readers
✗ 4. in the street when

Question ID : **26433091952**
Status : **Answered**
Chosen Option : **1**

Q.5 **Select the most appropriate collocating word to fill in the blank.**

The girl has _____ chances winning the match.

Ans
✗ 1. bountiful
✓ 2. high
✗ 3. light
✗ 4. hefty

Question ID : **26433070452**
Status : **Answered**
Chosen Option : **2**

Q.6 **Select the most appropriate synonym of the underlined word.**

No one was prepared for the environmental calamity that hit the town in the middle of the night.

Ans
✗ 1. Damage
✓ 2. Catastrophe
✗ 3. Degradation
✗ 4. Stress

Question ID : **26433071778**
Status : **Answered**
Chosen Option : **2**

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

Something which is worth believing

Ans
✗ 1. Spurious
✗ 2. Expedient
✓ 3. Credible
✗ 4. Impending

Question ID : **26433071765**
Status : **Answered**
Chosen Option : **3**

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

somebody is following us.

Ans
✗ 1. Somebody had been following us.

✗ 2. Somebody is following us.

✗ 3. We have been following by somebody.

✓ 4. We're being followed by somebody.

Question ID : **26433089116**
Status : **Answered**
Chosen Option : **4**

Q.9 **The question below consists of a set of labeled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.**
P. The division was usually based on temperature, which allows for different vegetation growth.
Q. Köppen's map used different colors and shades to represent the different climate zones of the world.
R. Wladimir Köppen developed a climate classification system at the end of the 19th century.
S. The system divides the world into five climate zones.

Ans
✓ 1. RSPQ

✗ 2. SPQR

✗ 3. QPSR

✗ 4. RPQS

Question ID : **264330104722**
Status : **Answered**
Chosen Option : **1**

Q.10 **Select the most appropriate meaning of the given idiom.**

Fair-weather friends

Ans
✗ 1. A person who is friends with you during the night

✗ 2. A person who is friends with you every day

✓ 3. A person whose friendship cannot be relied on in times

✗ 4. A person who is friends with you in difficult times

Question ID : **26433070684**
Status : **Answered**
Chosen Option : **3**

Q.11 **Select the option that expresses the given sentence in passive voice.**

The child broke many toys in the shop. He even threw the paintings.

Ans
✗ 1. Many toys in the shop have been broken by the child. Even the paintings were thrown by him.

✗ 2. Many toys in the shop were broken by the child. Even the paintings have been thrown by him.

✓ 3. Many toys in the shop were broken by the child. Even the paintings were thrown by him.

✗ 4. Many toys in the shop were broken by the child. He has even thrown the paintings.

Question ID : **26433088548**
Status : **Answered**
Chosen Option : **3**

Q.12 Select the sentence that uses the idiom correctly.

Ans
✔ 1. Ranita was not selected for the job as she got cold feet.
✘ 2. Walking bare feet on grass gave him cold feet.
✘ 3. After too much cycling Arun got cold feet.
✘ 4. One can swim easily with cold feet.

Question ID : **26433060376**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the correct direct form of the given sentence.
The doctor said that they had performed their bit.

Ans
✘ 1. The doctor said, “We performed our bit."
✘ 2. The doctor said, “We are performing our bit."
✔ 3. The doctor said, “We have performed our bit."
✘ 4. The doctor says, “We had performed our bit."

Question ID : **264330104633**
Status : **Answered**
Chosen Option : **3**

Q.14 Select the most appropriate synonym of the given word.

Demolish

Ans
✘ 1. Create
✘ 2. Fabricate
✔ 3. Ruin
✘ 4. Shape

Question ID : **26433071873**
Status : **Answered**
Chosen Option : **3**

Q.15 Select the most appropriate ANTONYM of the given word.

Abundant

Ans
✔ 1. Minimal
✘ 2. Aplenty
✘ 3. Plentiful
✘ 4. Fertile

Question ID : **26433060895**
Status : **Answered**
Chosen Option : **1**

Q.16 **The following sentence has been split into four segments. Identify the segment that contains a grammatical error.**

Children listens to people / speaking around them / for a long time before / they begin to speak.

Ans

✔ 1. Children listens to people

✘ 2. speaking around them

✘ 3. they begin to speak

✘ 4. for a long time before

Question ID : **26433092271**
Status : **Answered**
Chosen Option : **1**

Q.17 **Rearrange the parts of the sentence in correct order.**
The issue of
P. compulsory vaccination is difficult
Q. multiple interests all protected by human
R. because the governments need to consider
S. rights law and strike a fair balance between them

Ans

✔ 1. PRQS

✘ 2. PQRS

✘ 3. RSPQ

✘ 4. QSPR

Question ID : **264330104677**
Status : **Answered**
Chosen Option : **2**

Q.18 **Select the correct spelling of the underlined word from the following options.**

Handover that peace of paper to me so that I can evaluate the authenticity of his amorous claims.

Ans

✘ 1. peice

✘ 2. peices

✘ 3. pieces

✔ 4. piece

Question ID : **26433061045**
Status : **Answered**
Chosen Option : **4**

Q.19 **Select the most appropriate option to fill in the blank.**

The crowing witch released a _____cackle as she turned the boy into a beast.

Ans

✘ 1. gentle

✘ 2. low

✔ 3. loud

✘ 4. soft

Question ID : **26433059586**
Status : **Answered**
Chosen Option : **3**

Q.20 **Rearrange the parts of the sentence in correct order.**
We looked for
P. strong relationships at locations in the
Q. genome that are not well studied in
R. apple and looked for which compounds we
S. could identify and which had nutritional value

Ans
✗ 1. QSRP
✗ 2. QRPS
✗ 3. SPQR
✓ 4. PQRS

Question ID : **264330104664**
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.

Swaminathan had a table on which all his things, his coat, cap, slate, ink-bottle, and books, were thrown in a confused (1)_____ He sat on his stool and shut his eyes to (2) _____ what work he had for the day: first of course there was Arithmetic – those five (3)_____ in Profit and Loss; then there was English – he had to copy down a page from his English lesson and write dictionary meanings of (4) _____ words; and then there was Geography. And only two hours before him to do all this heap of work and get (5) _____ for school.

SubQuestion No : 21

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

Ans
✓ 1. heap
✗ 2. deal
✗ 3. order
✗ 4. load

Question ID : **26433081345**
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.

Swaminathan had a table on which all his things, his coat, cap, slate, ink-bottle, and books, were thrown in a confused (1)_____ He sat on his stool and shut his eyes to (2) _____ what work he had for the day: first of course there was Arithmetic – those five (3)_____ in Profit and Loss; then there was English – he had to copy down a page from his English lesson and write dictionary meanings of (4) _____ words; and then there was Geography. And only two hours before him to do all this heap of work and get (5) _____ for school.

SubQuestion No : 22

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

Ans
✗ 1. guess
✓ 2. recollect
✗ 3. imagine
✗ 4. estimate

Question ID : **26433081346**
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.

Swaminathan had a table on which all his things, his coat, cap, slate, ink-bottle, and books, were thrown in a confused (1)_____ He sat on his stool and shut his eyes to (2) _____ what work he had for the day: first of course there was Arithmetic – those five (3)_____ in Profit and Loss; then there was English – he had to copy down a page from his English lesson and write dictionary meanings of (4) _____ words; and then there was Geography. And only two hours before him to do all this heap of work and get (5) _____ for school.

SubQuestion No : 23

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

Ans

✗ 1. disputes

✓ 2. puzzles

✗ 3. debates

✗ 4. conditions

Question ID : **26433081347**
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.

Swaminathan had a table on which all his things, his coat, cap, slate, ink-bottle, and books, were thrown in a confused (1)_____ He sat on his stool and shut his eyes to (2) _____ what work he had for the day: first of course there was Arithmetic – those five (3)_____ in Profit and Loss; then there was English – he had to copy down a page from his English lesson and write dictionary meanings of (4) _____ words; and then there was Geography. And only two hours before him to do all this heap of work and get (5) _____ for school.

SubQuestion No : 24

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

Ans

✗ 1. rigid

✗ 2. awkward

✓ 3. difficult

✗ 4. visible

Question ID : **26433081348**
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.

Swaminathan had a table on which all his things, his coat, cap, slate, ink-bottle, and books, were thrown in a confused (1)_____ He sat on his stool and shut his eyes to (2) _____ what work he had for the day: first of course there was Arithmetic – those five (3)_____ in Profit and Loss; then there was English – he had to copy down a page from his English lesson and write dictionary meanings of (4) _____ words; and then there was Geography. And only two hours before him to do all this heap of work and get (5) _____ for school.

SubQuestion No : 25

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

Ans

✗ 1. alert

✗ 2. fit

✓ 3. ready

✗ 4. fixed

Question ID : **26433081349**
Status : **Answered**
Chosen Option : **3**