

Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	
Candidate Name	
Venue Name	Cosmo Foundation
Exam Date	27/10/2022
Exam Time	12:30 PM - 2:00 PM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

Section : Part-A-General Awareness

Q.1 According to Niti Aayog's Multidimensional Poverty Index (MPI) 2021, which state of India has the lowest percentage of population below poverty line?

- Ans
- ☒ 1. Goa
 - ☒ 2. Tamil Nadu
 - ☒ 3. Kerala
 - ☒ 4. Punjab

Question ID : 26433081922
Status : Answered
Chosen Option : 3

Q.2 Which of the following statements is NOT true about Stupa?

- Ans
- ☒ 1. It means 'mound', whether round and tall, big and small
 - ☒ 2. This may contain things used by the Buddha or his followers
 - ☒ 3. This may contain bodily remains of the Buddha or his followers
 - ☒ 4. It is a holy place related with Jainism

Question ID : 26433054226
Status : Answered
Chosen Option : 4

Q.3 Which training platform developed in 2018 by trauma surgeon Dr. Alex Young provided remote educational programmes around the world skills like the right way to wear personal protective equipment, administer treatment or ventilate a patient during COVID-19?

- Ans
- ☒ 1. VIRTU
 - ☒ 2. DOCEBO
 - ☒ 3. CARM
 - ☒ 4. 360 learning

Question ID : 26433098833
Status : Answered
Chosen Option : 4

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Q.4 भारतीय संविधान का कौन सा अनुच्छेद गिरफ्तार किए गए या हिरासत में लिए गए व्यक्तियों को संरक्षण प्रदान करता है?

- Ans
- ☒ 1. अनुच्छेद 21
 - ☒ 2. अनुच्छेद 22
 - ☒ 3. अनुच्छेद 23
 - ☒ 4. अनुच्छेद 20

Question ID : 26433064706
Status : Answered
Chosen Option : 1

Q.5 निम्नलिखित में से किस भारतीय शास्त्रीय नृत्य को 'एकाहार्य' के रूप में जाना जाता है?

- Ans
- ☒ 1. कथक
 - ☒ 2. कथकली
 - ☒ 3. मणिपुरी
 - ☒ 4. भरतनाट्यम

Question ID : 26433072625
Status : Answered
Chosen Option : 3

Q.6 Which of the following leaders declared the creation of the People's Republic of China (PRC) in 1949?

- Ans
- ☒ 1. Mao Zedong
 - ☒ 2. Yang Shangkun
 - ☒ 3. Liu Shaoqi
 - ☒ 4. Xi Jinping

Question ID : 26433098487
Status : Answered
Chosen Option : 2

Q.7 निम्नलिखित में से किसे इंडिया टुडे द्वारा जनवरी 2022 में सबसे लोकप्रिय मुख्यमंत्री के रूप में चुना गया है?

- Ans
- ☒ 1. अरविंद केजरीवाल
 - ☒ 2. नवीन पटनायक
 - ☒ 3. ममता बनर्जी
 - ☒ 4. योगी आदित्यनाथ

Question ID : 26433074172
Status : Answered
Chosen Option : 1

Q.8 What is a transfer income?

- Ans
- ☒ 1. Earned income
 - ☒ 2. Public income
 - ☒ 3. Disposable income
 - ☒ 4. Unearned income

Question ID : 26433054582
Status : Answered
Chosen Option : 4

Q.9 Which of the following two rivers make 'estuaries'?

- a) Narmada
- b) Krishna
- c) Cauvery
- d) Tapi

Ans ☒ 1. b - c
☒ 2. d - a
☒ 3. c - d
☒ 4. a - b

Question ID : 26433066595

Status : Answered

Chosen Option : 4

Q.10 भूमि उपयोग अभिलेख (भारत में) _____ द्वारा तैयार किए जाते हैं।

Ans ☒ 1. भू-राजस्व विभाग
☒ 2. गृह मंत्रालय
☒ 3. कृषि विभाग
☒ 4. ग्रामीण विकास मंत्रालय

Question ID : 26433069783

Status : Answered

Chosen Option : 1

Q.11 Which of the following is NOT a part of the Green Revolution?

Ans ☒ 1. Use of chemical fertilisers
☒ 2. Abolition of intermediaries
☒ 3. Use of multiple cropping
☒ 4. Mechanised means of cultivation

Question ID : 26433054635

Status : Answered

Chosen Option : 2

Q.12 The National population register was created under the provision of _____ and _____.

- a) Citizen Act 1965
- b) Citizenship Rules 2004
- c) Citizenship Act 1955
- d) Citizenship Rules 2003

Ans ☒ 1. a - b
☒ 2. a - c
☒ 3. c - d
☒ 4. b - d

Question ID : 26433066596

Status : Answered

Chosen Option : 2

Q.13 From which of the following countries the Asia Cup 2022 was shifted out to the United Arab Emirates?

- Ans
- ☒ 1. India
 - ☒ 2. Sri Lanka
 - ☒ 3. Bangladesh
 - ☒ 4. Pakistan

Question ID : 26433098491
Status : Answered
Chosen Option : 2

Q.14 Which of the following is a religious festival?

- Ans
- ☒ 1. Gangaur
 - ☒ 2. Children's Day
 - ☒ 3. Camel Festival
 - ☒ 4. Teachers' Day

Question ID : 26433054221
Status : Answered
Chosen Option : 1

Q.15 जब सरकार उत्पादन इकाइयों को सरकार द्वारा निर्धारित कम कीमतों पर अपने उत्पाद बेचने के लिए वित्तीय सहायता देती है, तो इसे क्या कहा जाता है?

- Ans
- ☒ 1. कर में छूट
 - ☒ 2. न्यूनतम समर्थन मूल्य
 - ☒ 3. सब्सिडी
 - ☒ 4. छूट

Question ID : 26433054584
Status : Answered
Chosen Option : 3

Q.16 In the month of September 2022, the Prime Minister of which of the following countries visited the dargah of Khwaja Moinuddin Chisti at Ajmer?

- Ans
- ☒ 1. Egypt
 - ☒ 2. Bangladesh
 - ☒ 3. Turkey
 - ☒ 4. Pakistan

Question ID : 26433098481
Status : Answered
Chosen Option : 1

Q.17 Which state celebrated the 44th Kokborok Day?

- Ans
- ☒ 1. Tripura
 - ☒ 2. Nagaland
 - ☒ 3. Mizoram
 - ☒ 4. Assam

Question ID : 26433079532
Status : Answered
Chosen Option : 1

Q.18 अक्टूबर 2021 में, विश्व स्वास्थ्य संगठन (WHO) ने उप-सहारा अफ्रीका में और अन्य क्षेत्रों में प्लैज्मोडियम फैल्सीपेरम के कारण होने वाले किस रोग के मध्यम से उच्च संचरण वाले जोखिम वाले बच्चों के लिए RTS,S/AS01 (RTS,S) के उपयोग की अनुशंसा की?

- Ans
- ☒ 1. पीतज्वर
 - ☒ 2. काला अजार
 - ☒ 3. मलेरिया
 - ☒ 4. पोलियो

Question ID : 26433098840
Status : Answered
Chosen Option : 3

Q.19 Which is the first tomb of the Mughal period to have two domes?

- Ans
- ☒ 1. Akbar Tomb
 - ☒ 2. Jahangir Tomb
 - ☒ 3. Humayun Tomb
 - ☒ 4. Babur Tomb

Question ID : 26433064398
Status : Answered
Chosen Option : 3

Q.20 मुगल केंद्रीय प्रशासन के तहत "बख्शी" की क्या भूमिका थी?

- Ans
- ☒ 1. वह मनसबदारों द्वारा सशस्त्र टुकड़ियों की स्वीकृत संख्या और युद्ध उपकरणों के उचित रखरखाव पर कड़ी निगरानी रखने के लिए जिम्मेदार होता था।
 - ☒ 2. उसके पास अन्य सभी पदों और प्रशासन के अधिकारियों को भत्ते और वजीफा वितरित करने का असीमित अधिकार था।
 - ☒ 3. वह मुख्य कार्यकारी अधिकारी होता था जो शाही घराने के लिए सभी प्रकार की वस्तुओं की खरीद और उनके भंडारण के लिए जिम्मेदार था।
 - ☒ 4. वह राजस्व और वित्त के लिए जिम्मेदार होता था और उसका प्राथमिक कर्तव्य शाही खजाने की निगरानी करना और सभी खातों की जांच करना था।

Question ID : 26433098850
Status : Answered
Chosen Option : 4

Section : Part-B-General Science

Q.1 _____ is the fraction $1/273.16$ of the thermodynamic dynamic temperature of the triple point of water.

- Ans
- ☒ 1. Kelvin
 - ☒ 2. Celsius
 - ☒ 3. Fahrenheit
 - ☒ 4. Candela

Question ID : 26433098682
Status : Answered
Chosen Option : 1

Q.2 Which of the following metal is in liquid state at room temperature?

- Ans ☒ 1. Mercury
☒ 2. Potassium
☒ 3. Iron
☒ 4. Calcium

Question ID : 26433098610
 Status : Answered
 Chosen Option : 2

Q.3 Spontaneous processes of nature are _____

- Ans ☒ 1. Reversible
☒ 2. Irreversible
☒ 3. System and surrounding returns to original state.
☒ 4. Always slow

Question ID : 26433098635
 Status : Answered
 Chosen Option : 1

Q.4 Why does group 15 elements have greater ionization enthalpy than group 16 elements?

- Ans ☒ 1. All of the above
☒ 2. They have extra stable half-filled p orbital
☒ 3. Greater nuclear attraction
☒ 4. They are smaller in size

Question ID : 26433098629
 Status : Answered
 Chosen Option : 1

Q.5 Which of the following is arranged in decreasing order of ionic mobility?

- Ans ☒ 1. $I^- \rightarrow Br^- \rightarrow Cl^- \rightarrow F^-$
☒ 2. $F^- \rightarrow Cl^- \rightarrow I^- \rightarrow Br^-$
☒ 3. $F^- \rightarrow Cl^- \rightarrow Br^- \rightarrow I^-$
☒ 4. $F^- \rightarrow I^- \rightarrow Cl^- \rightarrow Br^-$

Question ID : 26433098611
 Status : Answered
 Chosen Option : 2

Q.6 Which of the following ferromagnetic materials has the highest Curie Temperature?

- Ans ☒ 1. Cobalt
☒ 2. Gadolinium
☒ 3. Iron
☒ 4. Nickel

Question ID : 26433098582
 Status : Answered
 Chosen Option : 2

Q.7 In which year Ohm's law was discovered?

- Ans ☒ 1. 1828
- ☒ 2. 1838
- ☒ 3. 1858
- ☒ 4. 1848

Question ID : 26433098684

Status : Answered

Chosen Option : 2

Q.8 Which of the following electrolytes are known as 1-1, 2-1 and 2-2 electrolytes respectively?

- Ans ☒ 1. NaCl, CaCl₂ and MgSO₄
- ☒ 2. CaCl₂, NaCl and MgSO₄
- ☒ 3. MgSO₄, NaCl and CaCl₂
- ☒ 4. CaCl₂, MgSO₄ and NaCl

Question ID : 26433098569

Status : Answered

Chosen Option : 1

Q.9 Dimension of mass density is

- Ans ☒ 1. [M⁰ L T⁻¹]
- ☒ 2. [M⁰ L³ T⁰]
- ☒ 3. [M L⁻³ T⁰]
- ☒ 4. [M L T⁻²]

Question ID : 26433098596

Status : Answered

Chosen Option : 4

Q.10 Identify the CORRECT statement about system of units.

- Ans ☒ 1. The CGS units have well defined and internationally accepted unit symbols (such as m for metre, kg for kilogram, s for second, A for ampere, N for newton etc.).
- ☒ 2. Certain fundamental units are expressed by means of SI units with special names (such as joule, newton, watt, etc).
- ☒ 3. The MKS based on seven base units is at present internationally accepted unit system and is widely used throughout the world.
- ☒ 4. Scientific notation and the prefixes are used to simplify measurement notation and numerical computation, giving indication to the precision of the numbers.

Question ID : 26433098707

Status : Answered

Chosen Option : 3

Q.11 Which of the following is used in controlling depression and hypertension?

- Ans ☒ 1. Meprobamate.
- ☒ 2. Equanil.
- ☒ 3. Chlordiazepoxide.
- ☒ 4. Noradrenaline.

Question ID : 26433098562

Status : Answered

Chosen Option : 3

Q.12 If net external force on a body is zero than

- Ans ☒ 1. Its velocity is non zero (according to first law of motion)
- ☒ 2. Its acceleration is non zero (according to 3rd law of motion)
- ☒ 3. Its acceleration is zero (according to first law of motion)
- ☒ 4. Its velocity will be zero (according to second law of motion)

Question ID : 26433098660

Status : Answered

Chosen Option : 4

Q.13 The location of the north magnetic pole of earth's magnet is at a latitude of 79.74° N and a longitude of 71.8° W, a place somewhere in north _____.

- Ans ☒ 1. Australia
- ☒ 2. Antarctica
- ☒ 3. Canada
- ☒ 4. New Zealand

Question ID : 26433098534

Status : Answered

Chosen Option : 1

Q.14 Metals have low resistivities in the range of _____.

- Ans ☒ 1. $10^{-5} \Omega m$ to $10^{-3} \Omega m$
- ☒ 2. $10^{-8} \Omega m$ to $10^{-6} \Omega m$
- ☒ 3. $10^5 \Omega m$ to $10^3 \Omega m$
- ☒ 4. $10^8 \Omega m$ to $10^6 \Omega m$

Question ID : 26433098532

Status : Answered

Chosen Option : 1

Q.15 Which of the following statement is NOT related to Zeroth Law of Thermodynamics?

- Ans ☒ 1. This Law clearly suggests that when two systems A and B, are in thermal equilibrium, there must be a physical quantity that has the same value for both.
- ☒ 2. This law was formulated in 1931.
- ☒ 3. R.H. Fowler formulated this law.
- ☒ 4. This law states that 'two systems in chemical equilibrium with a third system separately are in thermal equilibrium with each other'.

Question ID : 26433098700

Status : Answered

Chosen Option : 3

Q.16 Which of the following additives has nutritive value?

- Ans ☒ 1. Flour improvers
- ☒ 2. Fat emulsifiers
- ☒ 3. Nutritional supplements
- ☒ 4. Food colours

Question ID : 26433098713

Status : Answered

Chosen Option : 1

Q.17 J kg^{-1} is the unit of _____.

- Ans ☒ 1. Gravitational Potential
☒ 2. Gravitational constant
☒ 3. Gravitational Potential Energy
☒ 4. Gravitational Intensity

Question ID : 26433098552
 Status : Answered
 Chosen Option : 3

Q.18 Which of the following artificial sweetener's appearance and taste are like sugar?

- Ans ☒ 1. Sucralose
☒ 2. Alitame
☒ 3. Saccharin
☒ 4. Aspartame

Question ID : 26433098518
 Status : Answered
 Chosen Option : 1

Q.19 Which of the following is a potent vasodilator?

- Ans ☒ 1. Ranitidine
☒ 2. Cimetidine
☒ 3. Histamine
☒ 4. Noradrenaline

Question ID : 26433098585
 Status : Answered
 Chosen Option : 3

Q.20 निम्नलिखित में से कौन सा कथन गलत है?

- Ans ☒ 1. बल सदैव गति की दिशा में नहीं होता है।
☒ 2. एक निश्चित समय पर पिंड पर लगाया गया बल उस समय पिंड के स्थान की स्थिति से निर्धारित होता है।
☒ 3. गति के द्वितीय नियम में, $F = m a$ होता है।
☒ 4. बल और समय का गुणनफल आवेग होता है जो त्वरण में परिवर्तन के बराबर होता है।

Question ID : 26433098529
 Status : Answered
 Chosen Option : 4

Q.21 What is value of G in $F = G \frac{m_1 m_2}{r^2}$

- Ans ☒ 1. $6.672 \times 10^{-11} \text{ N}$
☒ 2. $6.672 \times 10^{-11} \text{ N m}^2 \text{ kg}^{-2}$
☒ 3. $6.672 \times 10^{-11} \text{ N kg}^{-2}$
☒ 4. $6.672 \times 10^{-11} \text{ N m}^2$

Question ID : 26433098679
 Status : Answered
 Chosen Option : 2

Q.22 Which of the following elements is NOT present in Alnico?

- Ans ☒ 1. Bismuth
☒ 2. Nickel
☒ 3. Copper
☒ 4. Cobalt

Question ID : 26433098581

Status : Answered

Chosen Option : 2

Q.23 An astronaut accidentally gets separated out of his small spaceship accelerating in inter stellar space at a constant rate of 100 m s^{-2} . The acceleration of the astronaut the instant after he is outside the spaceship is Zero. This is in accordance with _____

- Ans ☒ 1. Law of conservation of linear momentum
☒ 2. Newton's second law of motion
☒ 3. Newton's third law of motion
☒ 4. Newton's first law of motion

Question ID : 26433098677

Status : Answered

Chosen Option : 1

Q.24 Which of the following statements is INCORRECT? The conductivity of electrolytic (ionic) solutions depends on:

- Ans ☒ 1. concentration of the electrolyte.
☒ 2. the nature of the solute and its viscosity
☒ 3. The nature of the electrolyte added.
☒ 4. Size of the ions produced and their solvation

Question ID : 26433098545

Status : Answered

Chosen Option : 2

Q.25 The representation of rate of reaction in terms of concentration of the reactants is known as

- Ans ☒ 1. Stoichiometric coefficient
☒ 2. Rate expression
☒ 3. Order of reaction
☒ 4. Randomness

Question ID : 26433098653

Status : Answered

Chosen Option : 3

Section : Part-C-Mathematics

Q.1 A vendor mixes two types of pulses costing ₹10/kg and ₹22/kg respectively. In what ratio ₹10/kg should be mixed with ₹22/kg to get a mixture of ₹12/kg.

- Ans ☒ 1. 10 : 1
☒ 2. 1 : 5
☒ 3. 5 : 1
☒ 4. 1 : 10

Question ID : 26433081547

Status : Answered

Chosen Option : 3

Q.2 If 2 men or 4 women or 6 boys can finish a work in 50 days, then how many days will 1 man, 1 woman and 1 boy take to finish the same work?

- Ans
- ✓ 1. $54\frac{6}{11}$ days
 - ✗ 2. $54\frac{5}{11}$ days
 - ✗ 3. $53\frac{6}{11}$ days
 - ✗ 4. $54\frac{6}{13}$ days

Question ID : 26433065101
Status : Answered
Chosen Option : 1

Q.3 P, Q, R and S are four points on a circle. PR and QS intersect at a point X such that $\angle QXR = 120^\circ$ and $\angle XRS = 10^\circ$.
The measure of $\angle QPR$ is:

- Ans
- ✗ 1. 100°
 - ✓ 2. 110°
 - ✗ 3. 120°
 - ✗ 4. 90°

Question ID : 26433075022
Status : Answered
Chosen Option : 2

Q.4 A man spent 20% of his monthly income on rent and 45% of the remaining on clothes and he saves the remaining income. If his monthly savings are Rs.308, find his monthly salary.

- Ans
- ✓ 1. Rs.700
 - ✗ 2. Rs.725
 - ✗ 3. Rs.775
 - ✗ 4. Rs.750

Question ID : 26433063856
Status : Answered
Chosen Option : 1

Q.5 If the area of a square is $16x^2 + 16x + 4$, what is the perimeter of the square?

- Ans
- ✗ 1. $2x + 4$
 - ✗ 2. $16 + 8x$
 - ✗ 3. $4x + 2$
 - ✓ 4. $16x + 8$

Question ID : 26433061338
Status : Answered
Chosen Option : 3

Q.6 2 tables and 3 chairs together cost ₹12000. When the cost of a table is decreased by 10 % and that of a chair is increased by 20 %, then 3 tables and 4 chairs together cost ₹17100. What is the total original cost of 1 table and 2 chairs?

- Ans
- ☒ 1. ₹6500
 - ☒ 2. ₹6300
 - ☒ 3. ₹6800
 - ☒ 4. ₹6600

Question ID : 26433098454

Status : Answered

Chosen Option : 1

Q.7 A cubic metre of copper weighing 15,000 kg is rolled into a square bar 4 m long. An exact cube is cut off from the bar. How much does the cube weigh?

- Ans
- ☒ 1. 1900 kg
 - ☒ 2. 1875 kg
 - ☒ 3. 1975 kg
 - ☒ 4. 2850 kg

Question ID : 26433061293

Status : Answered

Chosen Option : 1

Q.8 The following table shows the marks (in percentages) obtained by six students in five different subjects in an examination. The maximum marks in each subject are 100.

Student	SUBJECT					
	CS	PHYSICS	CHEMISTRY	MATHS	HISTORY	GEOGRAPHY
A	95	65	90	70	70	80
B	90	70	75	75	85	85
C	80	80	65	70	90	95
D	85	90	85	75	90	95
E	80	95	95	85	90	95
F	90	90	90	95	90	90

Answer the following question based on the table:

What are the average marks obtained by all the six students in CS? (up to two decimal places)

- Ans
- ☒ 1. 83.33
 - ☒ 2. 81.67
 - ☒ 3. 84.76
 - ☒ 4. 86.67

Question ID : 26433074465

Status : Answered

Chosen Option : 4

Q.9 Mohan starts a business with a capital of ₹1,70,000. He incurs a loss of 4% during the first year. But he makes a profit of 5% during the second year on his remaining investment. Finally, he makes a profit of 25% on his new capital during the third year. Find his total profit at the end of three years.

- Ans
- ☒ 1. ₹44,200
 - ☒ 2. ₹43,200
 - ☒ 3. ₹45,200
 - ☒ 4. ₹42,200

Question ID : 26433063420

Status : Answered

Chosen Option : 3

Q.10 अरुण की वर्तमान आयु (वर्षों में) वरुण की वर्तमान आयु (वर्षों में) के दो गुना से एक वर्ष कम है। अब से 5 वर्ष बाद, वरुण की आयु अरुण की वर्तमान आयु के दो-तिहाई के बराबर होगी। अब से 2 वर्ष बाद अरुण और वरुण की आयु (वर्षों में) का योग क्या होगा?

- Ans
- ☒ 1. 58
 - ☒ 2. 50
 - ☒ 3. 52
 - ☒ 4. 54

Question ID : 26433098438
Status : Answered
Chosen Option : 1

Q.11 राकेश फल विक्रेता है। एक ग्राहक को वह एक किलोग्राम अमरूद 20% हानि पर और एक किलोग्राम आम 40% लाभ पर बेचता है और उसे Rs.44 का लाभ होता है। दूसरे ग्राहक को वह एक किलोग्राम आम और एक किलोग्राम अमरूद प्रत्येक 20% लाभ पर बेचता है और Rs.40 का लाभ अर्जित करता है। यदि वह 3 किलोग्राम अमरूद और 5 किलोग्राम आम प्रत्येक को 40% लाभ पर बेचता है, तो उसका कुल लाभ क्या है?

- Ans
- ☒ 1. Rs.412
 - ☒ 2. Rs.421
 - ☒ 3. Rs.325
 - ☒ 4. Rs.352

Question ID : 26433061304
Status : Answered
Chosen Option : 4

Q.12 The marked price of a water bottle is Rs.950. A man bought the same for Rs.740, after getting two successive discounts. If the first discount is 12% , then what is the second discount?

- Ans
- ☒ 1. 12.48%
 - ☒ 2. 11.48%
 - ☒ 3. 13.45%
 - ☒ 4. 14.56%

Question ID : 26433063783
Status : Answered
Chosen Option : 2

Q.13 Two circles of radii 13 cm and 12 cm are concentric. Calculate the length of the chord of the outer circle which touches the inner.

- Ans
- ☒ 1. 9 cm
 - ☒ 2. 8 cm
 - ☒ 3. 5 cm
 - ☒ 4. 10 cm

Question ID : 26433066391
Status : Answered
Chosen Option : 3

Q.14 During the first two hours of a journey, a man drove at the speed of 45 km/h and during next two hours and fifteen minutes he drove at a speed of 72 km/h. He maintained a speed of 80 km/h for another three hours and 45 minutes. What was his average speed (in km/h) for the entire journey?

- Ans ☒ 1. 69
☒ 2. 70
☒ 3. 66
☒ 4. 75

Question ID : 26433063236
 Status : Answered
 Chosen Option : 1

Q.15 When 0.234343434... is expressed in the form of $\frac{A}{B}$ (lowest terms), then the value of $B - A$ is:

- Ans ☒ 1. 378
☒ 2. 376
☒ 3. 379
☒ 4. 377

Question ID : 26433082356
 Status : Answered
 Chosen Option : 1

Q.16 Using all the letters K, N, A, G and A, 5 letter words are made (with or without meaning). If these words are arranged as in a dictionary, the word NAAKG will appear at what place?

- Ans ☒ 1. 50
☒ 2. 49
☒ 3. 47
☒ 4. 46

Question ID : 26433098452
 Status : Answered
 Chosen Option : 2

Q.17 If $\cot\theta + \operatorname{cosec}\theta = 5$, θ being an acute angle, then the value of $13\cos\theta$ is:

- Ans ☒ 1. 156
☒ 2. 25
☒ 3. 13
☒ 4. 12

Question ID : 26433075028
 Status : Answered
 Chosen Option : 1

Q.18 A sum of money at simple interest doubles itself in 8 years. What is the rate of interest?

- Ans ☒ 1. 12.5%
☒ 2. 8.5%
☒ 3. 9.5%
☒ 4. 6.5%

Question ID : 26433075155
 Status : Answered
 Chosen Option : 1

Q.19 If a chord of a circle of radius 11 cm is a tangent to another circle of radius 7 cm, both the circles being concentric, then the length of the chord is:

- Ans
- ☒ 1. $3\sqrt{8}$ cm
 - ☒ 2. $8\sqrt{3}$ cm
 - ☒ 3. $6\sqrt{8}$ cm
 - ☒ 4. $12\sqrt{2}$ cm

Question ID : 26433075402

Status : Answered

Chosen Option : 1

Q.20 80 men can construct a small footpath in 60 days. How many more men should be employed if the job is to be finished in 20 days?

- Ans
- ☒ 1. 160
 - ☒ 2. 180
 - ☒ 3. 120
 - ☒ 4. 240

Question ID : 26433061900

Status : Answered

Chosen Option : 4

Q.21 The solution of the following system of equations:

$2(ax - by) + a + 4b = 0$, $2(bx + ay) + b - 4a = 0$, is also the solution of the equation:

- Ans
- ☒ 1. $3x - 2y = 5$
 - ☒ 2. $4x + 3y = 4$
 - ☒ 3. $2x - 3y = 6$
 - ☒ 4. $3x + 4y = 59$

Question ID : 26433098465

Status : Answered

Chosen Option : 2

Q.22 12 पुरुष प्रतिदिन 6 घंटे कार्य करते हुए एक कार्य को 25 दिनों में कर सकते हैं। यदि यह दिया गया है कि पुरुष, महिलाओं की तुलना में दोगुने दक्ष हैं, तो 36 महिलाएं प्रतिदिन 5 घंटे कार्य करते हुए उसी कार्य को कितने दिनों में करेंगी?

- Ans
- ☒ 1. 24
 - ☒ 2. 25
 - ☒ 3. 20
 - ☒ 4. 23

Question ID : 26433063804

Status : Answered

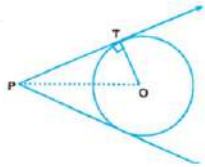
Chosen Option : 3

Q.23 Simplify the following expression.
 $5.4 + 7.3 - 4.8 \div 1.2 \times 2.3 + 3.2$

- Ans ☒ 1. 6.7
☒ 2. 3.5
☒ 3. 7.6
☒ 4. 5.3

Question ID : 26433080275
 Status : Answered
 Chosen Option : 2

Q.24 In the following figure, O is the centre of the circle. If $OP = 5$ cm and radius of the circle is 3 cm, find the length of the tangent PT.



- Ans ☒ 1. 6 cm
☒ 2. 4 cm
☒ 3. 3 cm
☒ 4. 5 cm

Question ID : 26433061448
 Status : Answered
 Chosen Option : 1

Q.25 Find the surface area of a cube whose edge is 11 cm.

- Ans ☒ 1. 66 cm^2
☒ 2. 726 cm^2
☒ 3. 121 cm^2
☒ 4. 11 cm^2

Question ID : 26433073145
 Status : Answered
 Chosen Option : 2

Section : Part-D-Reasoning

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the given 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 /deleting /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)
 (114, 6, 19)
 (78, 13, 6)

- Ans ☒ 1. (375, 25, 15)
☒ 2. (81, 10, 9)
☒ 3. (42, 3, 7)
☒ 4. (343, 14, 7)

Question ID : 26433056506
 Status : Answered
 Chosen Option : 1

Q.2 तस्वीर में दिख रहे एक व्यक्ति की ओर इशारा करते हुए श्रीमती रजनी ने कहा, "वह मेरे पति के ससुर योगी के भाई का पुत्र है।" तस्वीर में दिख रहा व्यक्ति श्रीमती रजनी से किस प्रकार संबंधित है?

- Ans
- ☒ 1. भाई
 - ☒ 2. पिता के भाई का पुत्र
 - ☒ 3. पुत्र
 - ☒ 4. ससुर

Question ID : 26433068448
Status : Answered
Chosen Option : 2

Q.3 'A # B' का अर्थ है कि 'A, B का पति है'
'A @ B' का अर्थ है कि 'A, B का पुत्र है'
'A & B' का अर्थ है कि 'A, B की माता है'
'A % B' का अर्थ है कि 'A, B का दादा है'
यदि 'K % N @ P # R' है, तो K का R से क्या संबंध है?

- Ans
- ☒ 1. पिता
 - ☒ 2. माता
 - ☒ 3. ससुर
 - ☒ 4. सास

Question ID : 26433068579
Status : Answered
Chosen Option : 3

Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some cushions are sofas.

Some purses are cushions.

All sofas are purses.

Conclusions:

I. Some cushions are purses.

II. Some purses are sofas.

III. Some sofas are cushions.

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

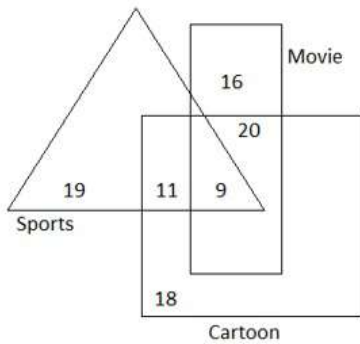
Question ID : 26433068542
Status : Answered
Chosen Option : 2

Q.5 Which two signs should be interchanged to make the given equation correct?
 $306 \div 17 + 4 - 50 \times 8 = 30$

- Ans
- ☒ 1. \times and $-$
 - ☒ 2. \div and \times
 - ☒ 3. $+$ and \times
 - ☒ 4. $+$ and $-$

Question ID : 26433059947
Status : Answered
Chosen Option : 3

Q.6 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons who like to watch different types of TV channels.



How many persons are there who like to watch both sports and cartoon channels?

- Ans
- ☒ 1. 9
 - ☒ 2. 20
 - ☒ 3. 11
 - ☒ 4. 19

Question ID : 26433070416
Status : Answered
Chosen Option : 2

Q.7 Which letter-cluster will replace the question mark (?) to complete the given series?
FCBZ, KGEB, ?, UOKF, ZSNH

- Ans
- ☒ 1. PLHD
 - ☒ 2. PKGD
 - ☒ 3. PLGD
 - ☒ 4. PKHD

Question ID : 26433067956
Status : Answered
Chosen Option : 4

Q.8 Select the correct combination of mathematical signs to sequentially replace the * signs and to balance the given equation.
 $(31 * 3) * 64 * 124 * (492 * 78) * 6$

- Ans
- ☒ 1. -, x, =, -, -, +
 - ☒ 2. +, +, -, =, -, x
 - ☒ 3. +, -, +, +, x, =
 - ☒ 4. x, -, =, -, +, +

Question ID : 26433057650
Status : Answered
Chosen Option : 1

Q.9 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Meconium
2. Medication
3. Mediocrity
4. Mechanical
5. Meclizine
6. Mecamylamine

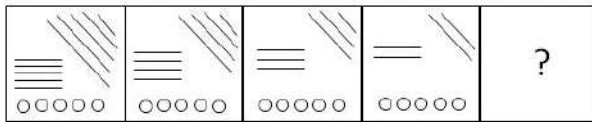
Ans ☒ 1. 4, 6, 5, 1, 2, 3
☒ 2. 6, 4, 2, 3, 5, 1
☒ 3. 6, 5, 1, 4, 3, 2
☒ 4. 6, 4, 5, 1, 2, 3

Question ID : 26433098358

Status : Answered

Chosen Option : 4

Q.10 Select the figure that will come in place of the question mark (?) in the following figure series.



Ans

- ☒ 1.
- ☒ 2.
- ☒ 3.
- ☒ 4.

Question ID : 26433056956

Status : Answered

Chosen Option : 1

Q.11 There are five friends, Ankita, Parul, Ashna, Bhanu, Ritika. Ashna is the tallest. Ankita is shorter than Parul but taller than Ritika. Bhanu is shorter than Parul but taller than Ankita. Who is taller than Ritika but shorter than Bhanu?

Ans ☒ 1. Ritika
☒ 2. Parul
☒ 3. Ankita
☒ 4. Bhanu

Question ID : 26433056548

Status : Answered

Chosen Option : 3

Q.12 In a certain code language, 'POSITIVE' is written as '109' and 'NEGATIVE' is written as '141'. How will 'INTEGER' be written in that language?

Ans ☒ 1. 118

☒ 2. 107

☒ 3. 111

☒ 4. 114

Question ID : 26433098342

Status : Answered

Chosen Option : 1

Q.13 Six friends L, M, N, O, P and Q are sitting around a circular table facing the centre. L is sitting third to the left of O. M is sitting second to the right of O. N is sitting second to the right of P. P is the only one sitting between Q and O. Who is sitting between M and Q?

Ans ☒ 1. L

☒ 2. O

☒ 3. P

☒ 4. N

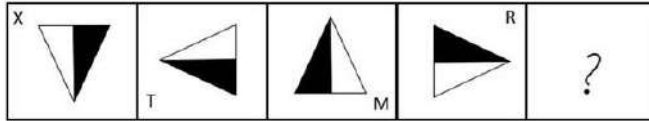
Question ID : 26433055513

Status : Answered

Chosen Option : 1

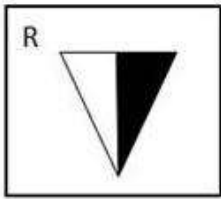


Q.14 Select the figure from among the given options that can replace the question mark (?) in the following series.

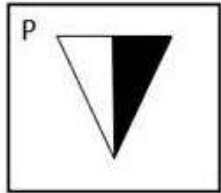


Ans

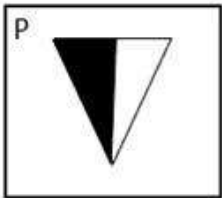
✗ 1.



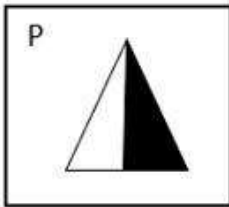
✓ 2.



✗ 3.



✗ 4.



Question ID : 26433056826

Status : Answered

Chosen Option : 2

Q.15 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below. Find the number on the face opposite to the one showing '6'.

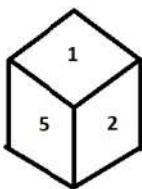


figure 1

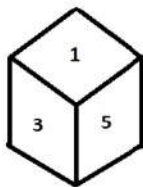


figure 2

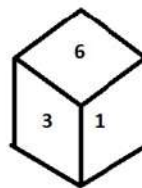


figure 3

Ans ✓ 1. 5

✗ 2. 4

✗ 3. 3

✗ 4. 2

Question ID : 26433080721

Status : Answered

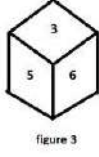
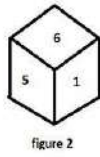
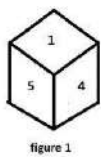
Chosen Option : 1

Q.16 Which of the following numbers will replace the question mark (?) in the given series?
90, 89, 85, 76, ?, 35

- Ans ☒ 1. 65
☒ 2. 51
☒ 3. 60
☒ 4. 72

Question ID : 26433056433
Status : Answered
Chosen Option : 3

Q.17 1, 2, 3, 4, 5 and 6 are written on different faces of a dice. Three different positions of the same dice are shown below.
Find the number on the face opposite to the one showing '5'.



- Ans ☒ 1. 3
☒ 2. 1
☒ 3. 2
☒ 4. 4

Question ID : 26433080728
Status : Answered
Chosen Option : 3

Q.18 Seven people, A, B, C, D, E, F and G, are sitting in a straight row, facing the north. Only two people sit to the right of D. Only two people sit to the left of C. Only two people sit between D and G. Only three people sit between C and E. A is not an immediate neighbour of D. B sits to the right of D. Who sits at the centre?

- Ans ☒ 1. D
☒ 2. F
☒ 3. C
☒ 4. B

Question ID : 26433055897
Status : Answered
Chosen Option : 2

Q.19 In a certain code language, 'RAID' is written as 'DIARS' and 'SPOT' is written as 'TOPST'. How will 'MOOT' be written in that language?

- Ans ☒ 1. MOOTT
☒ 2. MOOTN
☒ 3. TOOMM
☒ 4. TOOMN

Question ID : 26433056079
Status : Answered
Chosen Option : 4

Q.20 Select the option that represents the letters that, when sequentially placed from left to right in the blanks below, will complete the letter series.
m _ r _ t _ c _ m e r o _ s c u _ e r o _ s _ u

- Ans**
- ☒ 1. eostumtc
 - ☒ 2. esotmtco
 - ☒ 3. emtsotcc
 - ☒ 4. eosutmtc

Question ID : 26433056252
Status : Answered
Chosen Option : 4

Section : Part-E- Computer Fundamentals

Q.1 Typically _____ is used to send the email carbon copy to multiple recipients, except each recipient can't see who is on the list of other recipients.

- Ans**
- ☒ 1. Cc
 - ☒ 2. Subject
 - ☒ 3. Add text
 - ☒ 4. Bcc

Question ID : 26433098366
Status : Answered
Chosen Option : 4

Q.2 _____ keyboard shortcut is used to cut the selected data in MS-Word 2010.

- Ans**
- ☒ 1. Ctrl + V
 - ☒ 2. Ctrl + X
 - ☒ 3. Ctrl + O
 - ☒ 4. Ctrl + Z

Question ID : 26433098402
Status : Answered
Chosen Option : 2

Q.3 The _____ function in MS-Excel 2010 is used to find average or mean of numbers.

- Ans**
- ☒ 1. AVERAGE
 - ☒ 2. MEAN
 - ☒ 3. AVRQ
 - ☒ 4. AVG

Question ID : 26433098391
Status : Answered
Chosen Option : 4

Q.4 _____, एमएस-एक्सेल 2010 (MS-Excel 2010) की वर्कशीट में डेटा का एक विजुअल रिप्रजेंटेशन है।

- Ans
- ☐ 1. शीट (Sheet)
 - ☐ 2. सेल (Cell)
 - ☒ 3. ग्राफ (Graph)
 - ☐ 4. टेबल (Table)

Question ID : 26433098394

Status : Answered

Chosen Option : 1

Q.5 Which of the following ISP provides access to Internet through telephone line, cable Wi-Fi or fiber optics?

- Ans
- ☐ 1. Hosting ISPs
 - ☒ 2. Access providers
 - ☐ 3. Mailbox provider
 - ☐ 4. Virtual ISPs

Question ID : 26433098427

Status : Answered

Chosen Option : 1

Q.6 एमएस-एक्सेल 2010 (MS-Excel 2010) फॉर्मूला में, कॉलम H से J तक सभी सेल्स को रेफर करने के लिए निम्न में से किस रेफरेंस का उपयोग किया जाता है?

- Ans
- ☐ 1. H-J
 - ☒ 2. H:J
 - ☐ 3. H::J
 - ☐ 4. H,J

Question ID : 26433098421

Status : Answered

Chosen Option : 1

Q.7 The keyboard shortcut to paste special values in a worksheet in MS-Excel 2010, is _____.

- Ans
- ☒ 1. Ctrl + Alt + V then press V
 - ☐ 2. Alt + V then press V
 - ☐ 3. Ctrl + Shift + V then press V
 - ☐ 4. Shift + V then press V

Question ID : 26433098362

Status : Answered

Chosen Option : 1

Q.8 निम्नलिखित में से कौन सा एक कंप्यूटर है, जो इंटरनेट पर वेबसाइट को होस्ट करता है?

- Ans
- ☐ 1. वेब ब्राउज़र (Web browser)
 - ☐ 2. वेबपेज (Webpage)
 - ☐ 3. सर्च इंजन (Search engine)
 - ☒ 4. वेब सर्वर (Web server)

Question ID : 26433098418

Status : Answered

Chosen Option : 1

Q.9 एमएस-एक्सेल 2010 में, परिवर्तनों को पूर्ववत करने के लिए _____ कीबोर्ड शॉर्टकट का उपयोग किया जाता है।

- Ans
- ☐ 1. Ctrl + C
 - ☐ 2. Ctrl + V
 - ☐ 3. Ctrl + X
 - ☒ 4. Ctrl + Z

Question ID : 26433098380

Status : Answered

Chosen Option : 4

Q.10 The dollar sign (\$) is used to make references _____ in MS-Excel 2010.

- Ans
- ☐ 1. mixed column
 - ☐ 2. mixed row
 - ☒ 3. absolute
 - ☐ 4. relative

Question ID : 26433098375

Status : Answered

Chosen Option : 4