

## Head Constable AWO TPO in Delhi Police Examination 2022

Roll Number	Join Telegram Link Given in App
Candidate Name	Join Telegram Link Given in App
Venue Name	Arwachin Bharti Bhawan Sr.Sec School
Exam Date	27/10/2022
Exam Time	4:00 PM - 5:30 PM
Subject	Head Constable AWO TPO in Delhi Police Examination 2022

### Section : Part-A-General Awareness

**Q.1** Which organization has developed and engineered Induct UV-C disinfectant system for HVAC ducts which has wide applications for disinfecting mechanically ventilated indoor spaces with a view to prevent the spread of Covid-19 like viruses, fungi, mold, bacteria etc?

- Ans ☒ 1. CSIR-IGIB  
☒ 2. CSIR-CCMB  
☒ 3. CSIR-IMTECH  
☒ 4. CSIR-CSIO

Question ID : 26433098842

Status : Answered

Chosen Option : 4

**Q.2** Self-respect movement which was started by EV Ramaswamy Naicker is related to which of the following states?

- Ans ☒ 1. Bihar  
☒ 2. Karnataka  
☒ 3. Tamil Nadu  
☒ 4. Bengal

Question ID : 26433082072

Status : Answered

Chosen Option : 3

**Q.3** The tableau of which of the following states showcased its accomplishments in sports during the Republic Day Parade of 2022?

- Ans ☒ 1. Punjab  
☒ 2. Haryana  
☒ 3. Gujarat  
☒ 4. Meghalaya

Question ID : 26433064673

Status : Answered

Chosen Option : 2

**Q.4 According to Koeppen's climatic scheme of India, which type of climate is denoted by Aw?**

- Ans ☒ 1. Polar type  
☒ 2. Hot desert  
☒ 3. Tropical savanna  
☒ 4. Monsoon with dry summer

Question ID : 26433067161  
Status : Answered  
Chosen Option : 4

**Q.5 In which of the following years was the Brahmo Samaj established by Raja Ram Mohan Roy?**

- Ans ☒ 1. 1825  
☒ 2. 1828  
☒ 3. 1820  
☒ 4. 1818

Question ID : 26433065573  
Status : Answered  
Chosen Option : 2

**Q.6 Which of the following Sun temples is built by Raja Bhimdev I of the Solanki dynasty?**

- Ans ☒ 1. Modhera Sun Temple  
☒ 2. Martand Sun temple  
☒ 3. Shri Surya Narayana Swami Temple  
☒ 4. Surya Narayana Temple

Question ID : 26433054170  
Status : Answered  
Chosen Option : 1

**Q.7 As of September 2022, which of the following states has more than 1 Rajya Sabha seat?**

- Ans ☒ 1. Nagaland  
☒ 2. Meghalaya  
☒ 3. Mizoram  
☒ 4. Uttarakhand

Question ID : 26433098494  
Status : Answered  
Chosen Option : 4

**Q.8 When did Government of India launch National Youth Policy (NYP) to cater the needs of youth in India?**

- Ans ☒ 1. 2015  
☒ 2. 2014  
☒ 3. 2016  
☒ 4. 2017

Question ID : 26433081923  
Status : Answered  
Chosen Option : 4

**Q.9 Which of the state is associated with the Kudumbashree, the largest women empowering project in the country?**

- Ans ☒ 1. Kerala
- ☐ 2. Andhra Pradesh
- ☐ 3. Tamil Nadu
- ☐ 4. Maharashtra

Question ID : 26433054572  
Status : Answered  
Chosen Option : 2

**Q.10 The Power of Judicial Review was taken from the Constitution of which of the following countries?**

- Ans ☐ 1. Ireland
- ☐ 2. United Kingdom
- ☒ 3. United States of America
- ☐ 4. South Africa

Question ID : 26433071648  
Status : Answered  
Chosen Option : 3

**Q.11 Which of the following developed a small electric vehicle in 2021 that can change its width on the go?**

- Ans ☐ 1. LUCID motors
- ☐ 2. TESLA
- ☐ 3. RIVIAN
- ☒ 4. City Transformer

Question ID : 26433098839  
Status : Answered  
Chosen Option : 2

**Q.12 Choose the correct pair among the following related to temple architecture.**

- Ans ☐ 1. Garbhagriha : Tower
- ☐ 2. Shikhara : Huge Gateways
- ☒ 3. Mandapa : Place in temple where people could assemble
- ☐ 4. Gopuram : Place where the image of the deity is installed

Question ID : 26433054231  
Status : Answered  
Chosen Option : 3

**Q.13 Who succeeded Alivardi Khan as Nawab of Bengal in 1756?**

- Ans ☐ 1. Mir Qasim
- ☐ 2. Shuja-ud-daula
- ☒ 3. Siraj-ud-daula
- ☐ 4. Mir Jafar

Question ID : 26433098846  
Status : Answered  
Chosen Option : 3

Q.14 Which of the following policies has revenue and expenditure aspects?

- Ans
- ☐ 1. Monetary Policy
  - ☐ 2. Trade Policy
  - ☒ 3. Fiscal Policy
  - ☐ 4. Welfare Policy

Question ID : 26433054562

Status : Answered

Chosen Option : 3

Q.15 वर्ष 2011 की जनगणना के अनुसार भारत का कौन-सा राज्य जनसंख्या प्रतिशत के आधार पर पहले स्थान पर है?

- Ans
- ☐ 1. कर्नाटक
  - ☐ 2. बिहार
  - ☐ 3. महाराष्ट्र
  - ☒ 4. उत्तर प्रदेश

Question ID : 26433067202

Status : Answered

Chosen Option : 4

Q.16 Kuchipudi dance form is named after a village, which exists in which of the following district of Andhra Pradesh?

- Ans
- ☐ 1. Kurnool
  - ☐ 2. Tirupati
  - ☒ 3. Krishna
  - ☐ 4. Guntur

Question ID : 26433072626

Status : Answered

Chosen Option : 1

Q.17 Which of the following is NOT considered an industrial concession?

- Ans
- ☐ 1. Tax concession
  - ☐ 2. Tax holiday
  - ☒ 3. Subsidy to purchase goods and services
  - ☐ 4. Subsidised power supply

Question ID : 26433054617

Status : Answered

Chosen Option : 1

Q.18 Who was the first woman to head a democratic government in Pakistan?

- Ans
- ☐ 1. Khaleda Zia
  - ☐ 2. Sheikh Hasina
  - ☐ 3. Halimah Yacob
  - ☒ 4. Benazir Bhutto

Question ID : 26433098501

Status : Answered

Chosen Option : 1

**Q.19 Which Bill does the Major Ports Authorities Bill, 2020 repeal with an aim to provide greater autonomy and flexibility to the major ports and to professionalise their governance?**

- Ans ☒ 1. Major Port Trusts Act, 1963  
☐ 2. Major Port Trusts Act, 1947  
☐ 3. Major Port Trusts Act, 1952  
☐ 4. Major Port Trusts Act, 1969

Question ID : 26433072869

Status : Answered

Chosen Option : 4

**Q.20 Where is the headquarters of the National Remote Sensing Centre (NRSC) situated?**

- Ans ☐ 1. Bengaluru  
☐ 2. Mumbai  
☐ 3. Kolkata  
☒ 4. Hyderabad

Question ID : 26433067158

Status : Answered

Chosen Option : 1

Section : Part-B-General Science

**Q.1 Which of the following are fundamental quantities?**

- Ans ☒ 1. Length & Time  
☐ 2. Length & Area  
☐ 3. Time & Speed  
☐ 4. Mass & Volume

Question ID : 26433098554

Status : Answered

Chosen Option : 1

**Q.2 Which of the following is left in the sodium hydroxide solution after removing the soap?**

- Ans ☐ 1. Alcohol  
☒ 2. Glycerol  
☐ 3. Esters  
☐ 4. Phenol

Question ID : 26433098586

Status : Answered

Chosen Option : 2

**Q.3 In which year was Newton's masterpiece, Philosophiae Naturalis Principia Mathematica, often simply called the Principia, first published?**

- Ans ☐ 1. 1689  
☐ 2. 1680  
☐ 3. 1685  
☒ 4. 1687

Question ID : 26433098551

Status : Answered

Chosen Option : 3

**Q.4 Universal law of gravitation is relevant for**

**Ans**

- ☒ 1. None
- ☒ 2. Large bodies with infinite mass
- ☒ 3. Point masses
- ☒ 4. Both A and B

Question ID : 26433098640

Status : Answered

Chosen Option : 1

**Q.5 What is the melting point of gallium?**

**Ans**

- ☒ 1. Approximately 304K
- ☒ 2. Approximately 301K
- ☒ 3. Approximately 303K
- ☒ 4. Approximately 302K

Question ID : 26433098608

Status : Answered

Chosen Option : 1

**Q.6 A large force acting for short time period to produce finite change in momentum is called**

**Ans**

- ☒ 1. Inertia
- ☒ 2. Impulse
- ☒ 3. Force
- ☒ 4. Pressure

Question ID : 26433098659

Status : Answered

Chosen Option : 2

**Q.7 What is the density of lead in  $\text{kg m}^{-3}$  if its relative density is 11.3?**

**Ans**

- ☒ 1. 113000
- ☒ 2. 1130
- ☒ 3. 11300
- ☒ 4. 113

Question ID : 26433098511

Status : Answered

Chosen Option : 3

**Q.8 The SI unit of resistivity is?**

**Ans**

- ☒ 1. Ohm m
- ☒ 2. Ohm
- ☒ 3. Ohm cm
- ☒ 4. Ohm  $\text{m}^2$

Question ID : 26433098633

Status : Answered

Chosen Option : 1

**Q.9 Identify the incorrect statement from the options given below.**

- Ans ☒ 1. Faraday published his results during 1833-34 in the form of the Faraday's three laws of electrolysis.
- ☐ 2. Faraday's second law states that the amounts of different substances liberated by the same quantity of electricity passing through the electrolytic solution are proportional to their chemical equivalent weights
- ☐ 3. Michael Faraday was the first scientist who described the quantitative aspects of electrolysis.
- ☐ 4. Faraday's first law states that the amount of chemical reaction which occurs at any electrode during electrolysis by a current is proportional to the quantity of electricity passed through the electrolyte (solution or melt).

Question ID : 26433098697

Status : Answered

Chosen Option : 1

**Q.10 Cetyltrimethylammonium bromide is**

- Ans ☐ 1. anionic detergent
- ☒ 2. cationic detergent
- ☐ 3. Insoluble soap
- ☐ 4. Soluble soap

Question ID : 26433098607

Status : Answered

Chosen Option : 1

**Q.11 What is the conductivity of Copper in  $\text{S m}^{-1}$  at 298.15 K?**

- Ans ☐ 1.  $4.5 \times 10^3$
- ☐ 2.  $6.2 \times 10^3$
- ☒ 3.  $5.9 \times 10^3$
- ☐ 4.  $2.1 \times 10^3$

Question ID : 26433098567

Status : Answered

Chosen Option : 2

**Q.12 Which of the following substances are Diamagnetic?**

- (a)Bismuth  
(b)Lithium  
(c)Diamond  
(d)Calcium  
(e)Mercury

- Ans ☐ 1. (b), (c)and (d).
- ☒ 2. (a), (c)and (e).
- ☐ 3. (a), (c)and (d).
- ☐ 4. (e), (c)and (b).

Question ID : 26433098583

Status : Answered

Chosen Option : 2

**Q.13 How the conductivity relates with resistivity?**

- Ans ☒ 1. Conductivity and resistivity are inverse in relation
- ☒ 2. Resistivity is always greater than conductivity
- ☒ 3. Resistivity is same as conductivity
- ☒ 4. Product of conductivity and resistivity is always 0

Question ID : 26433098600

Status : Answered

Chosen Option : 1

**Q.14 Three quantities are needed to specify the magnetic field of the earth on its surface. Which of these is Not among those three quantities?**

- Ans ☒ 1. the Vertical component
- ☒ 2. the magnetic declination
- ☒ 3. the horizontal component
- ☒ 4. the magnetic dip

Question ID : 26433098711

Status : Answered

Chosen Option : 2

**Q.15 Core of electromagnets is made up of \_\_\_\_\_ material which have high permeability and low retentivity.**

- Ans ☒ 1. Copper
- ☒ 2. Iron
- ☒ 3. Lead
- ☒ 4. Aluminum

Question ID : 26433098601

Status : Answered

Chosen Option : 1

**Q.16 Name the measurable quantity which is the product of force and time.**

- Ans ☒ 1. Impulse
- ☒ 2. Angular momentum
- ☒ 3. Relative motion
- ☒ 4. Inertia

Question ID : 26433098676

Status : Answered

Chosen Option : 1



Q.17 There are four statements about elements of oxygen family. Identify the correct statement (s).

(I) The elements of oxygen family have five electrons in the outermost shell and have ns 2 np 3 general electronic configuration.

(II) Due to decrease in the number of shells, atomic and ionic radii decrease from top to bottom in the group.

(III) Selenium and tellurium are also found as metal selenides and tellurides in sulphide ores.

(IV) Polonium occurs in nature as a decay product of thorium and uranium minerals.

Ans ☒ 1. I, II and IV

☒ 2. II, III and IV

☒ 3. I and II

☒ 4. III and IV

Question ID : 26433098719

Status : Answered

Chosen Option : 4

Q.18 What is the value of resistivity of carbon (graphite) at 0°C?

Ans ☒ 1.  $3.5 \times 10^{-5}$  ohm m

☒ 2. 3.5 ohm m

☒ 3.  $3.5 \times 10^2$  ohm m

☒ 4.  $-3.5 \times 10^5$  ohm m

Question ID : 26433098667

Status : Answered

Chosen Option : 3

Q.19 Fill in the blanks with suitable answers from the options given below:

'In long form of Periodic Table, \_\_\_\_\_ elements of both \_\_\_\_\_ and \_\_\_\_\_ periods (lanthanoids and actinoids, respectively) are placed in separate panels at the bottom.'

Ans ☒ 1. 14, 6<sup>th</sup>, 7<sup>th</sup>

☒ 2. 14, 5<sup>th</sup>, 6<sup>th</sup>

☒ 3. 15, 5<sup>th</sup>, 7<sup>th</sup>

☒ 4. 15, 6<sup>th</sup>, 7<sup>th</sup>

Question ID : 26433098694

Status : Answered

Chosen Option : 1

Q.20 Ortho-sulphobenzimide is also known as?

Ans ☒ 1. alitame

☒ 2. saccharin

☒ 3. aspartame

☒ 4. sucralose

Question ID : 26433098625

Status : Answered

Chosen Option : 3

Q.21 Which of the following statements is INCORRECT?

- Ans ☒ 1. Transparent soaps are made by dissolving the soap in ethanol and then evaporating the excess solvent.
- ☒ 2. Generally sodium soaps are soft to the skin than potassium soaps.
- ☒ 3. Synthetic detergents are mainly classified into three categories.
- ☒ 4. Cetyltrimethylammonium bromide is a popular cationic detergent and is used in hair conditioners.

Question ID : 26433098561

Status : Answered

Chosen Option : 3

Q.22 If  $V = (100 \pm 3)V$  and  $I = (10 \pm 0.2)A$ . Find the percentage error in  $R$ ?  
( $R = V / I$ )

- Ans ☒ 1. 3.2 %
- ☒ 2. 3 %
- ☒ 3. 5 %
- ☒ 4. 10.2 %

Question ID : 26433098555

Status : Answered

Chosen Option : 1

Q.23 \_\_\_\_ is zero for a cyclic process.

- Ans ☒ 1.  $W$
- ☒ 2.  $\Delta T$
- ☒ 3.  $Q$
- ☒ 4.  $\Delta U$

Question ID : 26433098658

Status : Answered

Chosen Option : 1

Q.24 Which of the following is incorrect about Newton's second law of motion?

- Ans ☒ 1. The second law of motion  $F = ma$  is applicable to a single point particle.
- ☒ 2. The second law of motion is a scalar law.
- ☒ 3. The second law of motion is a local relation which means that force 'F' at a point in space at a certain instant of time is related to 'a' at that point at that instant.
- ☒ 4. In the second law,  $F = 0$  implies  $a = 0$

Question ID : 26433098678

Status : Answered

Chosen Option : 2

Q.25 Zeroth Law leads to the concept of \_\_\_\_

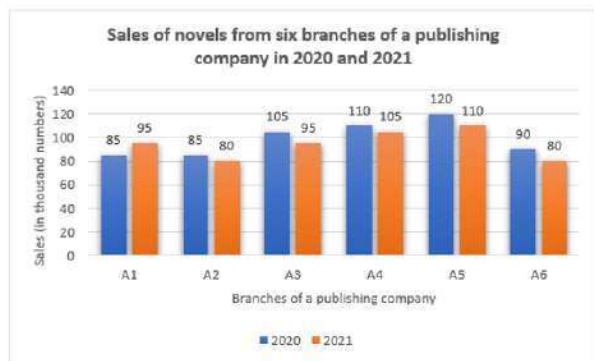
- Ans ☒ 1. Volume
- ☒ 2. Temperature
- ☒ 3. Pressure
- ☒ 4. Work done

Question ID : 26433098636

Status : Answered

Chosen Option : 2

**Q.1** The following bar graph shows the sales (in thousand numbers) of novels from six different branches of a publishing company in 2020 and 2021.



Answer the following question based on the bar graph:

What is the ratio of the total sales of branch A3 for both years to the total sales of branch A4 for both years?

- Ans
- ☒ 1. 43 : 40
  - ☒ 2. 40 : 43
  - ☒ 3. 23 : 20
  - ☒ 4. 20 : 23

Question ID : 26433074469

Status : Answered

Chosen Option : 2

**Q.2** Simplify the following expression.

$$8 \left( \frac{0.2 \times 0.2 \times 0.2 + 0.04 \times 0.04 \times 0.04}{0.4 \times 0.4 \times 0.4 + 0.08 \times 0.08 \times 0.08} \right) + 9$$

- Ans
- ☒ 1. 8
  - ☒ 2. 17
  - ☒ 3. 10
  - ☒ 4. 1

Question ID : 26433080276

Status : Answered

Chosen Option : 3

**Q.3** If  $S = \frac{3}{2} + \frac{5}{4} + \frac{7}{8} + \dots + \frac{2n+1}{2^n} + \dots$ , where  $n = 1, 2, 3, \dots$ , then the value of S is

- Ans
- ☒ 1. 5
  - ☒ 2. 4
  - ☒ 3. 8
  - ☒ 4. 6

Question ID : 26433098439

Status : Answered

Chosen Option : 3

Q.4 Rohan sells an umbrella to Bhima at a profit of 25%. Bhima sells the same to Sambhu at a profit of 20%. Sambhu sells it to Dharmendra at ₹5,400, thereby earning a profit of 20%. Find the cost price to Rohan.

- Ans ☒ 1. ₹3,000  
☒ 2. ₹3,100  
☒ 3. ₹3,500  
☒ 4. ₹3,600

Question ID : 26433061729

Status : Answered

Chosen Option : 1

Q.5 Simplify:  $(0.\overline{39} + 0.\overline{53} - 0.\overline{27})$

- Ans ☒ 1.  $0.\overline{64}$   
☒ 2.  $0.\overline{62}$   
☒ 3.  $0.\overline{63}$   
☒ 4.  $0.\overline{65}$

Question ID : 26433080089

Status : Answered

Chosen Option : 4

Q.6 If  $\sin\theta = \frac{3}{5}$ ,  $\cos\theta = \frac{4}{5}$ , then find the value of  $\sqrt{\frac{1-\tan^2\theta}{\cot^2\theta-1}}$ .

- Ans ☒ 1.  $\frac{3}{4}$   
☒ 2.  $\frac{2}{3}$   
☒ 3.  $\frac{1}{4}$   
☒ 4.  $\frac{5}{7}$

Question ID : 26433075263

Status : Answered

Chosen Option : 1

Q.7 The present population of a city is 17,500. The population decreases by 12% in the first year and increases by 8% in the second year. Find the population after 2 years.

- Ans ☒ 1. 16,632  
☒ 2. 28,500  
☒ 3. 15,350  
☒ 4. 21,320

Question ID : 26433063722

Status : Answered

Chosen Option : 1

Q.8 Find the ratio between the fourth proportional of 8, 9, 15 and the fourth proportional of 12, 18, 20.

Ans ☒ 1. 9 : 16

☐ 2. 3 : 4

☐ 3. 4 : 3

☐ 4. 5 : 7

Question ID : 26433061735

Status : Answered

Chosen Option : 1

Q.9 A can complete a work in 15 days, and B can complete the same work in 25 days. In how many days will A and B together complete this work?

Ans

☐ 1.  $6\frac{3}{8}$

☐ 2.  $7\frac{3}{8}$

☐ 3.  $3\frac{3}{8}$

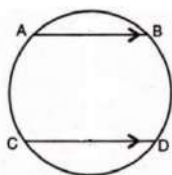
☒ 4.  $9\frac{3}{8}$

Question ID : 26433064926

Status : Answered

Chosen Option : 4

Q.10 In the given figure, the chords AB and CD are parallel and are of 36 cm and 48 cm, respectively. The distance between them is 42 cm. The diameter of the circle is \_\_\_\_\_.



Ans ☐ 1. 82 cm

☒ 2. 60 cm

☐ 3. 72 cm

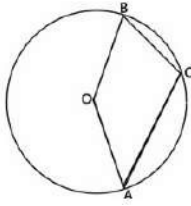
☐ 4. 90 cm

Question ID : 26433061326

Status : Answered

Chosen Option : 2

- Q.11 In the given figure, O is the centre of the circle. If the angles  $\angle AOB$ ,  $\angle OAC$  are, respectively,  $140^\circ$  and  $50^\circ$ , then the value of angle  $\angle BAC$  is \_\_\_\_\_.



- Ans
- ☒ 1.  $60^\circ$
  - ☒ 2.  $50^\circ$
  - ☒ 3.  $30^\circ$
  - ☒ 4.  $80^\circ$

Question ID : 26433061327

Status : Answered

Chosen Option : 3

- Q.12 मनीषा ने छह अंकों की एक संख्या टाइप की लेकिन उसके द्वारा टाइप किए गए दो 4 नहीं दिख रहे। दिखाई देने वाली संख्या 5005 है। छह अंकों की कितनी भिन्न संख्याएँ हो सकती हैं?

- Ans
- ☒ 1. 9
  - ☒ 2. 10
  - ☒ 3. 15
  - ☒ 4. 12

Question ID : 26433098432

Status : Answered

Chosen Option : 4

- Q.13 How many different pairs  $(x, y)$  can be formed using the numbers  $\{1, 2, 3, \dots, 43\}$  such that  $x < y$  and the sum of  $x$  and  $y$  is even?

- Ans
- ☒ 1. 420
  - ☒ 2. 451
  - ☒ 3. 441
  - ☒ 4. 460

Question ID : 26433098440

Status : Answered

Chosen Option : 3

- Q.14 The capacity of a cylindrical tank is 495 litres. If the height is 7 metres, what is the diameter of the base?

- Ans
- ☒ 1. 30 cm
  - ☒ 2. 40 cm
  - ☒ 3. 35 cm
  - ☒ 4. 33 cm

Question ID : 26433061289

Status : Answered

Chosen Option : 1

Q.15 A sum of money invested at simple interest in a bank amounts to Rs.944 in a period of 3 years, while it amounts to Rs.1,136 in a period of 7 years. What is the rate of interest?

- Ans
- ☒ 1. 7%
  - ☒ 2. 6%
  - ☒ 3. 8%
  - ☒ 4. 9%

Question ID : 26433075071

Status : Answered

Chosen Option : 2

Q.16 Simplify the following:

$$\frac{2.31 \times 2.31 + 2 \times 2.31 \times 1.69 + 1.69 \times 1.69}{2.31 + 1.69}$$

- Ans
- ☒ 1. 4.00
  - ☒ 2. 2.00
  - ☒ 3. 3.00
  - ☒ 4. 5.00

Question ID : 26433061181

Status : Answered

Chosen Option : 1

Q.17 In an office, 76% of the number of females is equal to the one-third of the number of males. What is the ratio of number of males to that of the females in the office?

- Ans
- ☒ 1. 57 : 25
  - ☒ 2. 25 : 57
  - ☒ 3. 43 : 19
  - ☒ 4. 19 : 43

Question ID : 26433063687

Status : Answered

Chosen Option : 1

Q.18 If  $x + \frac{1}{x} = \sqrt{7}$ , then the value of  $x^3 + \frac{1}{x^3}$  is:

- Ans
- ☒ 1.  $4\sqrt{7}$
  - ☒ 2.  $3\sqrt{7}$
  - ☒ 3.  $5\sqrt{7}$
  - ☒ 4.  $2\sqrt{7}$

Question ID : 26433098476

Status : Answered

Chosen Option : 1

Q.19 A 300-m-long train is running at a speed of 108 km/h. How long will it take to clear a 600-m-long platform?

- Ans ☐ 1. 20 sec  
☐ 2. 18 sec  
☐ 3. 10 sec  
☒ 4. 30 sec

Question ID : 26433062647  
Status : Answered  
Chosen Option : 4

Q.20 10 litres of petrol costing ₹105/litre is mixed with 15 litres of kerosene costing ₹25/litre. Find the price of the mixture.

- Ans ☒ 1. ₹57/litre  
☐ 2. ₹43/litre  
☐ 3. ₹55/litre  
☐ 4. ₹35/litre

Question ID : 26433081546  
Status : Answered  
Chosen Option : 1

Q.21 P and Q can complete a work in 20 days and 30 days, respectively. P started the work and Q joined him after 5 days. In how many days will the entire work be completed?

- Ans ☐ 1. 13  
☐ 2. 11  
☒ 3. 14  
☐ 4. 9

Question ID : 26433064925  
Status : Answered  
Chosen Option : 3

Q.22 Two circles touch each other externally at P. AB is a direct common tangent to the two circles, A and B are the respective points of contact, and  $\angle PAB = 55^\circ$ . The measure of  $\angle ABP$  is:

- Ans ☐ 1.  $55^\circ$   
☐ 2.  $110^\circ$   
☒ 3.  $35^\circ$   
☐ 4.  $75^\circ$

Question ID : 26433075025  
Status : Answered  
Chosen Option : 3

Q.23 A solid wooden toy is in the shape of a right circular cone mounted on a hemisphere. If the radius of the hemisphere is 5.6 cm and the total height of the toy is 11.6 cm, then what is the volume of the wooden toy (in  $\text{cm}^3$ ) (rounded off to the closest integral value)?

- Ans ☐ 1. 461  
☒ 2. 565  
☐ 3. 368  
☐ 4. 197

Question ID : 26433073144  
Status : Answered  
Chosen Option : 2



Q.24 A sewing machine with a marked price of Rs.400 was being sold at a 10% discount for cash payment, and during the stock clearance, a further discount was offered such that the machine is sold at Rs.342. What was the second discount offered?

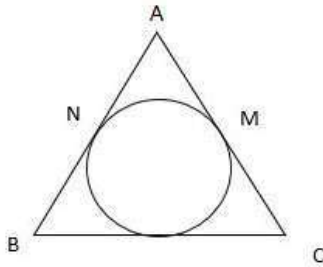
- Ans ☒ 1. 8%  
☒ 2. 5%  
☒ 3. 2.5%  
☒ 4. 7.5%

Question ID : 26433063871

Status : Answered

Chosen Option : 2

Q.25 In the following figure,  $AN=7$  cm,  $BN=8$  cm,  $AC=18$  cm. What is the length of  $BC$ ?



- Ans ☒ 1. 23 cm  
☒ 2. 17 cm  
☒ 3. 21 cm  
☒ 4. 19 cm

Question ID : 26433064947

Status : Answered

Chosen Option : 4

Section : Part-D-Reasoning

Q.1 In a certain code language, 'SOIL' is written as '220', and 'AIR' is written as '84'. How will 'WATER' be written in that language?

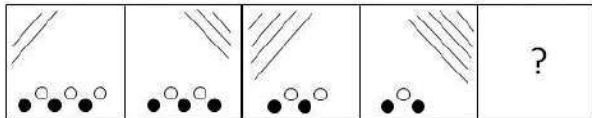
- Ans ☒ 1. 335  
☒ 2. 330  
☒ 3. 340  
☒ 4. 345

Question ID : 26433055711

Status : Answered

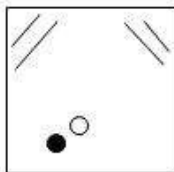
Chosen Option : 1

Q.2 Select the figure that will come in place of the question mark (?) in the following figure series.

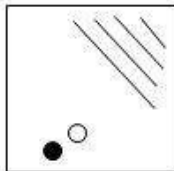


Ans

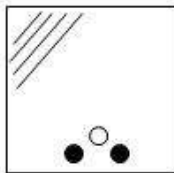
✗ 1.



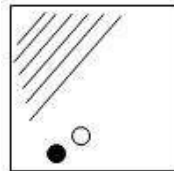
✗ 2.



✗ 3.



✓ 4.



Question ID : 26433056958

Status : Answered

Chosen Option : 4

Q.3 Which of the following numbers will replace the question mark (?) in the given series?  
16, 19, 24, 27, 32, ?

Ans ✗ 1. 44

✓ 2. 35

✗ 3. 32

✗ 4. 22

Question ID : 26433056431

Status : Answered

Chosen Option : 2

Q.4 If A, B, C, D and E denote +, -, ×, ÷ and =, respectively, then which of the following options is correct?

Ans ✓ 1. 4A8C6D12E12B4

✗ 2. 4A8E6D12C12B4

✗ 3. 4A8C6D12E12A4

✗ 4. 4A8C6D12E12C4

Question ID : 26433057360

Status : Answered

Chosen Option : 1

Q.5 Five friends L, M, N, O, P, each has a different height. L is shorter than M but taller than N. O is shorter than N. P is taller than O. M is taller than P. Who among them is the tallest?

- Ans ☒ 1. L  
☒ 2. M  
☒ 3. N  
☒ 4. P

Question ID : 26433056546

Status : Answered

Chosen Option : 2

Q.6 In a certain code language, 'COW' is written as '123' and 'BEAR' is written as '104'. How will 'TIGER' be written in that language?

- Ans ☒ 1. 177  
☒ 2. 295  
☒ 3. 236  
☒ 4. 118

Question ID : 26433098348

Status : Answered

Chosen Option : 2

Q.7 Select the correct combination of mathematical signs to sequentially replace the \* signs and to balance the given equation.  
 $31*6*19*81*24*3*52$

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

Question ID : 26433057957

Status : Answered

Chosen Option : 2

Q.8 Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Cerebral
2. Certificate
3. Certainty
4. Ceramicists
5. Cervicitis
6. Ceremonial

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

Question ID : 26433098351

Status : Answered

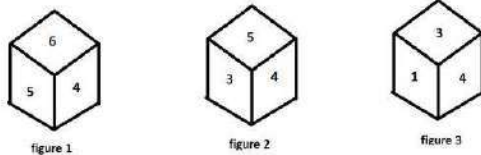
Chosen Option : 3

**Q.9** Which letter-cluster will replace the question mark (?) to complete the given series?  
AFRW, EJUZ, ?, MRAF, QVDI

- Ans ☒ 1. IMXC  
☒ 2. IMXD  
☒ 3. INXC  
☒ 4. IMYD

Question ID : 26433067953  
Status : Answered  
Chosen Option : 3

**Q.10** 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 '1'.



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

Question ID : 26433080724  
Status : Answered  
Chosen Option : 3

**Q.11** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All bottles are chairs.  
Some chairs are glasses.

Some cups are glasses.

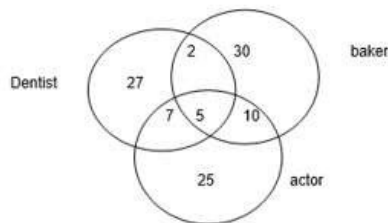
Conclusions:

- I. Some cups are chairs.  
II. Some glasses are bottles.  
III. Some bottles are cups.

- Ans ☒ 1. Only conclusion III follows  
☒ 2. Only conclusion II follows  
☒ 3. Only conclusion I follows  
☒ 4. None of the conclusions follow

Question ID : 26433068547  
Status : Answered  
Chosen Option : 4

Q.12 Study the given diagram carefully and answer the question. The numbers in different sections indicate the number of persons.



How many actors are bakers but NOT dentists?

- Ans ☒ 1. 5  
☒ 2. 10  
☒ 3. 7  
☒ 4. 2

Question ID : 26433074652

Status : Answered

Chosen Option : 2

Q.13 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 '2'.

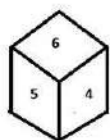


figure 1

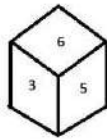


figure 2

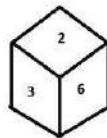


figure 3

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

Question ID : 26433080729

Status : Answered

Chosen Option : 4

Q.14 A & B का आशय है 'A, B की पत्नी है'।  
A # B का आशय है 'A, B का पिता है'।  
A @ B का आशय है 'A, B का पुत्र है'।  
A % B का आशय है 'A, B का पति है'।  
A + B का आशय है 'A, B की माता है'।  
यदि A & B # C & D @ E % F + G है, तो C का G से क्या संबंध है?

- Ans ☒ 1. बहन  
☒ 2. भाभी  
☒ 3. माता  
☒ 4. दादी

Question ID : 26433098335

Status : Answered

Chosen Option : 2

Q.15 Six students are sitting around a circular table facing the centre. Ajay is sitting second to the left of Nikhil. Nikhil is an immediate neighbour of both Sahil and Mahesh. Daksh is sitting second to the right of Mahesh. Mahesh is an immediate neighbour of both Indu and Nikhil. Who is sitting between Indu and Ajay?

- Ans
- ☒ 1. Sahil
  - ☒ 2. Nikhil
  - ☒ 3. Daksh
  - ☒ 4. Mahesh

Question ID : 26433055676

Status : Answered

Chosen Option : 3

Q.16 एक आदमी की ओर इशारा करते हुए गौरव ने कहा, "वह मेरी माँ के पिता की बेटी का भाई है।" वह व्यक्ति गौरव से किस प्रकार संबंधित है?

- Ans
- ☒ 1. बहन
  - ☒ 2. मामा
  - ☒ 3. दामाद
  - ☒ 4. बेटा

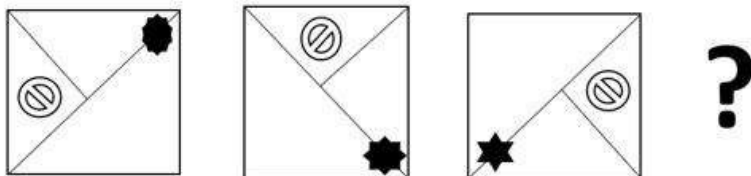
Question ID : 26433068455

Status : Answered

Chosen Option : 2

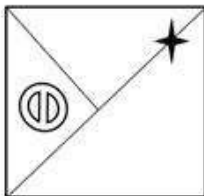
Q.17

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

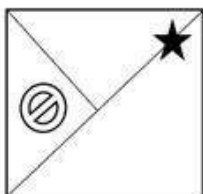


Ans

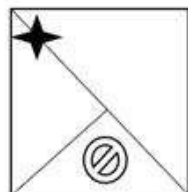
✗ 1.



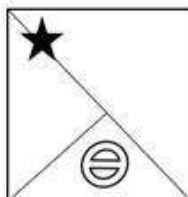
✗ 2.



✓ 3.



✗ 4.



Question ID : 26433056542

Status : Answered

Chosen Option : 4

Q.18 Six students are sitting around a circular table facing the centre. Gyan is sitting second to the left of Tej. Sita is sitting second to the left of Prem. Akshay is an immediate neighbour of both Radha and Tej. Gyan is an immediate neighbour of both Prem and Sita. Who is sitting between Akshay and Sita?

Ans

✗ 1. Tej

✗ 2. Gyan

✗ 3. Prem

✓ 4. Radha

Question ID : 26433055687

Status : Answered

Chosen Option : 4

**Q.19** 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)  
(18, 235, 29)  
(7, 185, 30)

- Ans ☒ 1. (32, 96, 16)  
☒ 2. (19, 576, 31)  
☒ 3. (23, 420, 10)  
☒ 4. (15, 210, 27)

Question ID : 26433056503

Status : Answered

Chosen Option : 4

**Q.20** Which letter-cluster will replace the question mark (?) to complete the given series?  
BMAO, FOBR, ?, NSDX, RUEA

- Ans ☒ 1. JRCU  
☒ 2. JQCU  
☒ 3. JQCV  
☒ 4. JRCV

Question ID : 26433067954

Status : Answered

Chosen Option : 2

Section : Part-E- Computer Fundamentals

**Q.1** The keyboard shortcut in MS-Excel 2010 to preview the worksheet before you print is \_\_\_\_\_.

- Ans ☒ 1. Shift + F3  
☒ 2. Ctrl + F2  
☒ 3. Alt + F2  
☒ 4. Alt + F3

Question ID : 26433098363

Status : Answered

Chosen Option : 2

**Q.2** Which of the following option in MS-Word 2010 is used to remove all the formatting from the selection leaving only unformatted text?

- Ans ☒ 1. Clear All Formatting  
☒ 2. Delete All Formatting  
☒ 3. Clear Selection  
☒ 4. Remove Selection

Question ID : 26433098414

Status : Answered

Chosen Option : 2



Q.3 Which of the following is available under the data tab of MS-Excel 2010?

- Ans
- ☒ 1. Filter
  - ☐ 2. Save
  - ☐ 3. Table
  - ☐ 4. Paste

Question ID : 26433098374  
Status : Answered  
Chosen Option : 1

Q.4 Choose the wrong statement about a valid email address.

- Ans
- ☒ 1. The domain appears to the left of the @ symbol.
  - ☐ 2. The prefix appears to the left of the @ symbol.
  - ☐ 3. The domain appears to the right of the @ symbol.
  - ☐ 4.

A valid email address consists of an email prefix and an email domain, both in acceptable formats.

Question ID : 26433098386  
Status : Answered  
Chosen Option : 1

Q.5 Which of the following is a small customizable toolbar at the top left corner of the worksheet window that contains a set of frequently used commands in MS-Excel 2010?

- Ans
- ☐ 1. Scroll bar
  - ☐ 2. Taskbar
  - ☐ 3. Status bar
  - ☒ 4. Quick Access toolbar

Question ID : 26433098409  
Status : Answered  
Chosen Option : 4

Q.6 Which of the following function of MS-Excel 2010 is used to sort the contents of a range or an array?

- Ans
- ☒ 1. Sort
  - ☐ 2. Find
  - ☐ 3. Add
  - ☐ 4. Filter

Question ID : 26433098395  
Status : Answered  
Chosen Option : 4

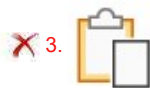
Q.7 \_\_\_\_\_ is a general domain used worldwide.

- Ans
- ☐ 1. .in
  - ☒ 2. .com
  - ☐ 3. .co.in
  - ☐ 4. .ac.in

Question ID : 26433098397  
Status : Answered  
Chosen Option : 2

Q.8 Which of the following icon refers to undo operation in MS-Excel 2010?

Ans



Question ID : 26433098410

Status : Answered

Chosen Option : 2

Q.9 The \_\_\_\_\_ function in MS-Excel 2010 is used to join several text items into one text item cell.

Ans

☒ 1. STRING

☒ 2. CONCATENATE

☒ 3. ADD

☒ 4. CON

Question ID : 26433098401

Status : Answered

Chosen Option : 2

Q.10 A \_\_\_\_\_ is a regularly updated website or webpage, typically one run by an individual or small group that is written in an informal or conversational style.

Ans

☒ 1. blog

☒ 2. WWW

☒ 3. website

☒ 4. magazine

Question ID : 26433098368

Status : Answered

Chosen Option : 1