



# रेल भर्ती बोर्ड / RAILWAY RECRUITMENT BOARDS



सी ई एन आर आर बी - ०२/२०२४ - CEN RRB - 02/2024

Roll Number	282244280181669
Candidate Name	JAVVADI LAKSHMI VENKATA SATYA GANESH
Test Center Name	iON Digital Zone iDZ Kanuru Village
Test Date	19/12/2024
Test Time	4:30 PM - 6:00 PM
Subject	RRB Technicians Grade I
Application Photograph	
Exam Day Photograph	

**\* Note**

Correct Answer will carry 1 mark per Question.

Incorrect Answer will carry 1/3 Negative mark per Question.

- Options shown in green color with a tick icon are correct.
- Chosen option on the right of the question indicates the option selected by the candidate.

Section : RRB Technicians Grade I

Q.1	The basic principle behind the working of an electric motor is the interaction between the _____.
Ans	<input checked="" type="checkbox"/> 1. magnetic field and heat energy
	<input checked="" type="checkbox"/> 2. electric potential and light energy
	<input checked="" type="checkbox"/> 3. electric field and gravitational field
	<input checked="" type="checkbox"/> 4. magnetic field and current-carrying conductors

Question Type :	MCQ
Question ID :	6306801105032
Option 1 ID :	6306804340657
Option 2 ID :	6306804340659
Option 3 ID :	6306804340656
Option 4 ID :	6306804340658
Status :	Answered
Chosen Option :	1

Q.2	Select the most appropriate option to fill in the blanks. Repeatability is defined as the ability of an instrument to give the ____ output (with limited variations) for repeated applications of ____ input value under same environmental conditions.
Ans	<input checked="" type="checkbox"/> 1. same; same
	<input checked="" type="checkbox"/> 2. same; different
	<input checked="" type="checkbox"/> 3. different; different
	<input checked="" type="checkbox"/> 4. different; same

Question Type :	MCQ
Question ID :	6306801114340
Option 1 ID :	6306804377788
Option 2 ID :	6306804377790
Option 3 ID :	6306804377791
Option 4 ID :	6306804377789
Status :	Answered
Chosen Option :	4

Q.3	What is the estimated worth of the National Monetization Pipeline unveiled by the Government of India in September 2021?
Ans	<input checked="" type="checkbox"/> 1. ₹6 lakh crore
	<input checked="" type="checkbox"/> 2. ₹15 lakh crore
	<input checked="" type="checkbox"/> 3. ₹3 lakh crore
	<input checked="" type="checkbox"/> 4. ₹10 lakh crore

Question Type :	MCQ
Question ID :	63068071467
Option 1 ID :	630680276415
Option 2 ID :	630680276417
Option 3 ID :	630680276414
Option 4 ID :	630680276416
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.4 Select the most appropriate option to fill in the blank.  
When the strain gauge-elastic member combination is used for weighing, it is called a \_\_\_\_\_.

- Ans ☒ 1. Linear Variable Differential Transformer (L.V.D.T.)
- ☒ 2. Capacitive transducer
- ☒ 3. Load cell
- ☒ 4. Piezoelectric transducer

Question Type : MCQ

Question ID : 6306801114414

Option 1 ID : 6306804378072

Option 2 ID : 6306804378075

Option 3 ID : 6306804378074

Option 4 ID : 6306804378073

Status : Answered

Chosen Option : 1

Q.5 Six people A, B, C, D, E and F live on six different floors of the same building. The bottom-most floor of the building is numbered as 1; the floor above it is numbered as 2 and so on. The topmost floor is numbered as 6. A lives on an even-numbered floor. Only three people live between A and B. F lives immediately above E. B does not live on floor number 2. Only two people live between F and D. F lives on an even-numbered floor. Who lives on floor number 3?

- Ans ☒ 1. B
- ☒ 2. C
- ☒ 3. E
- ☒ 4. D

Question Type : MCQ

Question ID : 630680374575

Option 1 ID : 6306801459468

Option 2 ID : 6306801459469

Option 3 ID : 6306801459467

Option 4 ID : 6306801459470

Status : Answered

Chosen Option : 2

Q.6 The SI unit of current, the Ampere, is defined based on \_\_\_\_\_.

- Ans ☒ 1. the electric potential difference
- ☒ 2. the force between two current-carrying conductors
- ☒ 3. the force between two charges
- ☒ 4. the magnetic flux through a loop

Question Type : MCQ

Question ID : 6306801105362

Option 1 ID : 6306804341970

Option 2 ID : 6306804341969

Option 3 ID : 6306804341968

Option 4 ID : 6306804341971

Status : Answered

Chosen Option : 1

Q.7 A particle is subjected to a variable force  $F(x)=6x$  N, where  $x$  is in metres. What is the work done in moving the particle from  $x=0$  m to  $x=3$  m?

- Ans ☒ 1. 9 J
- ☒ 2. 18 J
- ☒ 3. 27 J
- ☒ 4. 54 J

Question Type : MCQ

Question ID : 6306801104998

Option 1 ID : 6306804340522

Option 2 ID : 6306804340521

Option 3 ID : 6306804340520

Option 4 ID : 6306804340523

Status : Answered

Chosen Option : 2

Q.8 The point (9, 0), (9, 6), (-9, 6) and (-9, 0) are the vertices of a \_\_\_\_\_.

- Ans ☒ 1. trepezium
- ☒ 2. square
- ☒ 3. rhombus
- ☒ 4. rectangle

Question Type : MCQ

Question ID : 6306801070280

Option 1 ID : 6306804203360

Option 2 ID : 6306804203358

Option 3 ID : 6306804203359

Option 4 ID : 6306804203357

Status : Answered

Chosen Option : 1

Q.9 If a conductor moves through a uniform magnetic field, the induced potential difference is maximised when \_\_\_\_\_.

- Ans ☒ 1. the magnetic field is non-uniform
- ☒ 2. the magnetic field is zero
- ☒ 3. the conductor is parallel to the magnetic field lines
- ☒ 4. the conductor is perpendicular to the magnetic field lines

Question Type : MCQ

Question ID : 6306801107415

Option 1 ID : 6306804350121

Option 2 ID : 6306804350120

Option 3 ID : 6306804350118

Option 4 ID : 6306804350119

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1 0	The magnetic field at a point near a long, straight current-carrying conductor is directly proportional to ____.
Ans	<input checked="" type="checkbox"/> 1. the square of the distance from the conductor
	<input checked="" type="checkbox"/> 2. the inverse of the distance from the conductor
	<input checked="" type="checkbox"/> 3. the square of the current
	<input checked="" type="checkbox"/> 4. the current through the conductor

Question Type :	MCQ
Question ID :	6306801107402
Option 1 ID :	6306804350066
Option 2 ID :	6306804350067
Option 3 ID :	6306804350068
Option 4 ID :	6306804350069
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.1 1	What is the range supported in MS-Word to change the size of the selected text?
Ans	<input checked="" type="checkbox"/> 1. Between 1 and 1638, in multiples of .5 (such as 10.5 or 105.5)
	<input checked="" type="checkbox"/> 2. Between 0.5 and 1000, in multiples of .5 (such as 10.5 or 105.5)
	<input checked="" type="checkbox"/> 3. Between 0.5 and 2000, in multiples of .5 (such as 10.5 or 105.5)
	<input checked="" type="checkbox"/> 4. Between 1 and 1500, in multiples of 1 (such as 10 or 105)

Question Type :	MCQ
Question ID :	6306801100990
Option 1 ID :	6306804325207
Option 2 ID :	6306804325209
Option 3 ID :	6306804325210
Option 4 ID :	6306804325208
Status :	Answered
Chosen Option :	4

Q.1 2	A 60-W lightbulb operates on a 120-V source. What is the current flowing through the bulb?
Ans	<input checked="" type="checkbox"/> 1. 0.5 A
	<input checked="" type="checkbox"/> 2. 1.5 A
	<input checked="" type="checkbox"/> 3. 1 A
	<input checked="" type="checkbox"/> 4. 2 A

Question Type :	MCQ
Question ID :	6306801105003
Option 1 ID :	6306804340540
Option 2 ID :	6306804340542
Option 3 ID :	6306804340543
Option 4 ID :	6306804340541
Status :	Answered
Chosen Option :	2

Q.1 3 Two dice (both numbered 1 to 6) are rolled, simultaneously. What is the probability of observing a sum of 8?

Ans

✗ 1.  $\frac{1}{6}$

✓ 2.  $\frac{5}{36}$

✗ 3.  $\frac{7}{36}$

✗ 4.  $\frac{5}{6}$

Question Type : MCQ

Question ID : 630680180162

Option 1 ID : 630680698392

Option 2 ID : 630680698393

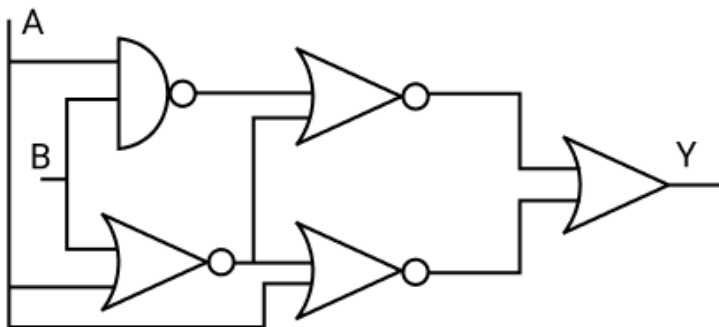
Option 3 ID : 630680698394

Option 4 ID : 630680698395

Status : Answered

Chosen Option : 2

Q.1 4 Find the Boolean expression for the output Y if inputs are A and B.



Ans ✗ 1. A+B

✓ 2. B

✗ 3. AB

✗ 4. A

Question Type : MCQ

Question ID : 6306801112647

Option 1 ID : 6306804371234

Option 2 ID : 6306804371232

Option 3 ID : 6306804371233

Option 4 ID : 6306804371231

Status : Answered

Chosen Option : 2

Q.1	What are the major branches of Buddhism?
5	
Ans	<input checked="" type="checkbox"/> 1. Anga and Upanga
	<input checked="" type="checkbox"/> 2. Swetambara and Digambara
	<input checked="" type="checkbox"/> 3. Pathachari and Paribrajaka
	<input checked="" type="checkbox"/> 4. Hinayana and Mahayana

Question Type :	MCQ
Question ID :	63068048210
Option 1 ID :	630680185504
Option 2 ID :	630680185503
Option 3 ID :	630680185505
Option 4 ID :	630680185502
Status :	Answered
Chosen Option :	4

Q.1	Which of the following is the correct shortcut key to bring up the task manager directly using keyboard only?
6	
Ans	<input checked="" type="checkbox"/> 1. Windows + R
	<input checked="" type="checkbox"/> 2. Ctrl + Shift + Escape
	<input checked="" type="checkbox"/> 3. Ctrl + Alt + Delete
	<input checked="" type="checkbox"/> 4. Ctrl + Windows + Enter

Question Type :	MCQ
Question ID :	6306801100367
Option 1 ID :	6306804322773
Option 2 ID :	6306804322774
Option 3 ID :	6306804322771
Option 4 ID :	6306804322772
Status :	Answered
Chosen Option :	1

Q.1	Anurag starts from Point Y and drives 11 km towards North. He then takes a right turn, drives 25 km, turns right and drives 27 km. He then takes a right turn and drives 11 km. He takes a right turn, drives 41 km. He then turns left, drives 14 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90 degrees turns only unless specified)
7	
Ans	<input checked="" type="checkbox"/> 1. 36 km towards North
	<input checked="" type="checkbox"/> 2. 14 km towards North
	<input checked="" type="checkbox"/> 3. 25 km towards South
	<input checked="" type="checkbox"/> 4. 30 km towards South

Question Type :	MCQ
Question ID :	630680240789
Option 1 ID :	630680933632
Option 2 ID :	630680933633
Option 3 ID :	630680933634
Option 4 ID :	630680933631
Status :	Answered
Chosen Option :	2

Q.1 8 If the temperature of the surrounding medium increases, it will result in a/an \_\_\_\_\_ in the resistance of the thermistor and a/an \_\_\_\_\_ in the current.

Ans ☒ 1. decrease; decrease

☒ 2. decrease; increase

☒ 3. increase; decrease

☒ 4. increase; increase

Question Type : MCQ

Question ID : 6306801114488

Option 1 ID : 6306804378371

Option 2 ID : 6306804378369

Option 3 ID : 6306804378370

Option 4 ID : 6306804378368

Status : Marked For Review

Chosen Option : 3

Q.1 9 Which power-saving mode is most suitable for short breaks when you want to resume work quickly?

Ans ☒ 1. Shutdown

☒ 2. Hibernate

☒ 3. Sleep

☒ 4. Restart

Question Type : MCQ

Question ID : 6306801043681

Option 1 ID : 6306804096871

Option 2 ID : 6306804096873

Option 3 ID : 6306804096872

Option 4 ID : 6306804096874

Status : Answered

Chosen Option : 3

Q.2 0 In a purely capacitive AC circuit, the power consumed over a complete cycle is \_\_\_\_\_.

Ans ☒ 1. zero

☒ 2. minimum but not zero

☒ 3. maximum

☒ 4. equal to the apparent power

Question Type : MCQ

Question ID : 6306801107291

Option 1 ID : 6306804349623

Option 2 ID : 6306804349624

Option 3 ID : 6306804349622

Option 4 ID : 6306804349625

Status : Answered

Chosen Option : 1



Q.2 In MS Word, what does the term 'font weight' refer to?  
1

- Ans
- ☐ 1. The colour of the font
  - ☐ 2. The spacing between characters
  - ☒ 3. The thickness of the font
  - ☐ 4. The style of the font

Question Type : MCQ

Question ID : 630680853918

Option 1 ID : 6306803344511

Option 2 ID : 6306803344512

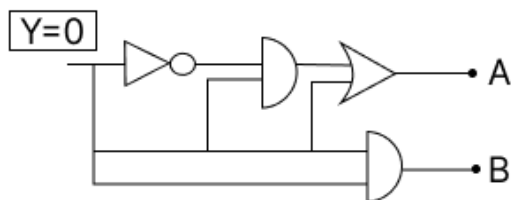
Option 3 ID : 6306803344510

Option 4 ID : 6306803344513

Status : Answered

Chosen Option : 3

Q.2 In the given logic circuit, if the initial input is 0, then what will be the output of A and B,  
2 respectively?



- Ans
- ☐ 1. 1, 0
  - ☐ 2. 0, 1
  - ☒ 3. 0, 0
  - ☐ 4. 1, 1

Question Type : MCQ

Question ID : 6306801112588

Option 1 ID : 6306804370989

Option 2 ID : 6306804370988

Option 3 ID : 6306804370987

Option 4 ID : 6306804370990

Status : Answered

Chosen Option : 2

Q.2 The direction of the magnetic field around an infinitely long straight current-carrying  
3 wire is:

- Ans
- ☐ 1. perpendicular to the plane containing the wire and the point
  - ☐ 2. radial outward from the wire
  - ☐ 3. radial inward toward the wire
  - ☒ 4. tangential to the wire and depends on the direction of the current

Question Type : MCQ

Question ID : 6306801105511

Option 1 ID : 6306804342567

Option 2 ID : 6306804342564

Option 3 ID : 6306804342565

Option 4 ID : 6306804342566

Status : Answered

Chosen Option : 1

Q.2 4	When you first open a spreadsheet software, what is usually displayed?
Ans	<div>✓ 1. A blank spreadsheet with grids and cells</div> <div>✗ 2. A blank page without any grids</div> <div>✗ 3. A presentation slide</div> <div>✗ 4. A blank document</div>

Question Type :	MCQ
Question ID :	6306801048923
Option 1 ID :	6306804117803
Option 2 ID :	6306804117805
Option 3 ID :	6306804117804
Option 4 ID :	6306804117802
Status :	Answered
Chosen Option :	1

Q.2 5	Reproducibility is defined as the ability of an instrument to reproduce (the) _____ output(s) for repeated applications of (the) _____ input value(s) under (the) _____ environment condition(s).
Ans	<div>✗ 1. different; same; different</div> <div>✗ 2. same; different; same</div> <div>✓ 3. same; same; same</div> <div>✗ 4. same; same; different</div>

Question Type :	MCQ
Question ID :	6306801114350
Option 1 ID :	6306804377830
Option 2 ID :	6306804377829
Option 3 ID :	6306804377828
Option 4 ID :	6306804377831
Status :	Answered
Chosen Option :	1

Q.2 6	Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which pair DOES NOT belong to that group? (Note: The odd one out is not based on the number of consonants/vowels or their position in the letter-cluster pair.)
Ans	<div>✗ 1. ZS-JF</div> <div>✗ 2. MF-WS</div> <div>✓ 3. IB-PO</div> <div>✗ 4. EX-OK</div>

Question Type :	MCQ
Question ID :	630680999401
Option 1 ID :	6306803921550
Option 2 ID :	6306803921552
Option 3 ID :	6306803921551
Option 4 ID :	6306803921553
Status :	Answered
Chosen Option :	3

Q.2 7 An infinitely long straight wire carries a current of  $I$ . At what distance  $r$  from the wire is the magnetic field  $5 \times 10^{-6}$  T if  $I = 15$  A?

Ans ☒ 1. 3 m

☒ 2. 0.6 m

☒ 3. 0.3 m

☒ 4. 7.5 m

Question Type : MCQ

Question ID : 6306801107326

Option 1 ID : 6306804349763

Option 2 ID : 6306804349762

Option 3 ID : 6306804349764

Option 4 ID : 6306804349765

Status : Answered

Chosen Option : 2

Q.2 8 What is the name of the new generation ballistic missile with a range of 1,000-2,000 km that was successfully flight tested at APJ Abdul Kalam Island in April 2024?

Ans ☒ 1. Akash

☒ 2. Prahaar

☒ 3. Surya

☒ 4. Agni Prime

Question Type : MCQ

Question ID : 6306801004871

Option 1 ID : 6306803943337

Option 2 ID : 6306803943340

Option 3 ID : 6306803943339

Option 4 ID : 6306803943338

Status : Answered

Chosen Option : 1

Q.2 9 The distance between the points (0, 3) and (-3, 0) is :

Ans ☒ 1. 3 units

☒ 2.  $3\sqrt{2}$  units

☒ 3. 6 units

☒ 4.  $2\sqrt{3}$  units

Question Type : MCQ

Question ID : 6306801070283

Option 1 ID : 6306804203371

Option 2 ID : 6306804203369

Option 3 ID : 6306804203372

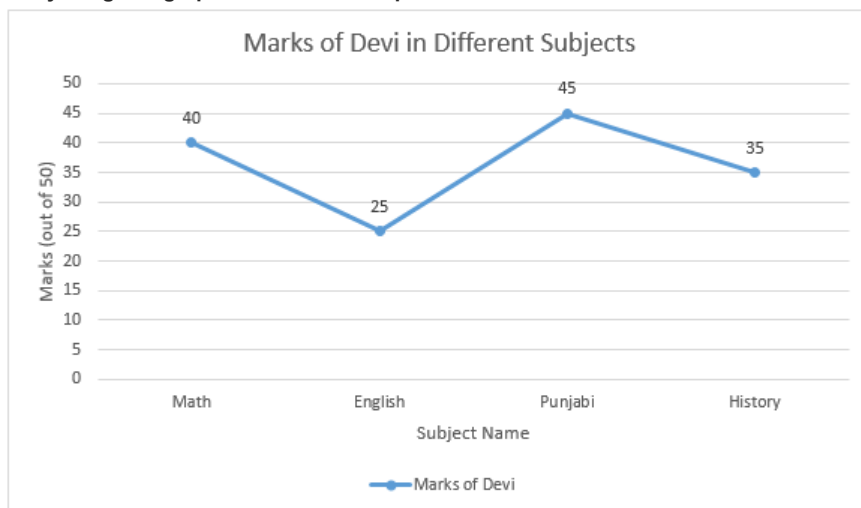
Option 4 ID : 6306804203370

Status : Answered

Chosen Option : 2

Q.3 Study the given graph and answer the question that follows.

0



The graph above depicts the marks of Devi in different subjects. What is her percentage of marks in Punjabi?

Ans ☒ 1. 80%

☒ 2. 95%

☒ 3. 90%

☒ 4. 85%

Question Type : **MCQ**

Question ID : **630680430607**

Option 1 ID : **6306801680455**

Option 2 ID : **6306801680458**

Option 3 ID : **6306801680457**

Option 4 ID : **6306801680456**

Status : **Answered**

Chosen Option : **3**

Q.3 Devendra Jhajharia is associated to which of the following games?

1

Ans ☒ 1. Boxing

☒ 2. Wrestling

☒ 3. Javelin throw

☒ 4. Badminton

Question Type : **MCQ**

Question ID : **630680115904**

Option 1 ID : **630680448948**

Option 2 ID : **630680448947**

Option 3 ID : **630680448946**

Option 4 ID : **630680448949**

Status : **Answered**

Chosen Option : **1**

Q.3 2	Intel 8051 provides _____ interrupt structures and 8052 provides _____ interrupt structures.
Ans	<input checked="" type="checkbox"/> 1. 4; 5
	<input checked="" type="checkbox"/> 2. 6; 7
	<input checked="" type="checkbox"/> 3. 7; 8
	<input checked="" type="checkbox"/> 4. 5; 6

Question Type :	MCQ
Question ID :	6306801119532
Option 1 ID :	6306804398454
Option 2 ID :	6306804398456
Option 3 ID :	6306804398457
Option 4 ID :	6306804398455
Status :	Answered
Chosen Option :	3

Q.3 3	In an isosceles $\triangle ABC$ , $AC = BC$ , if each of the two equal angles of the third angle. Find the value of $\left(\frac{2\angle C - 3\angle A + \angle B}{2}\right)$ .
	<input type="text"/>

Ans	<input checked="" type="checkbox"/> 1. 60°
	<input checked="" type="checkbox"/> 2. 35°
	<input checked="" type="checkbox"/> 3. 45°
	<input checked="" type="checkbox"/> 4. 75°

Question Type :	MCQ
Question ID :	630680653712
Option 1 ID :	6306802559264
Option 2 ID :	6306802559262
Option 3 ID :	6306802559263
Option 4 ID :	6306802559265
Status :	Answered
Chosen Option :	2

Q.3 4	According to a National Crime Records Bureau (NCRB) report, which was the most corrupted state in India in December 2023?
Ans	<input checked="" type="checkbox"/> 1. Uttar Pradesh
	<input checked="" type="checkbox"/> 2. Bihar
	<input checked="" type="checkbox"/> 3. Maharashtra
	<input checked="" type="checkbox"/> 4. Rajasthan

Question Type :	MCQ
Question ID :	6306801004973
Option 1 ID :	6306803943743
Option 2 ID :	6306803943742
Option 3 ID :	6306803943741
Option 4 ID :	6306803943740
Status :	Answered
Chosen Option :	2

<b>Q.3</b>	<b>A coin is thrown eight times. The probability of getting exactly five tails is:</b>
<b>5</b>	
<b>Ans</b>	<input checked="" type="checkbox"/> 1. 0.28
	<input checked="" type="checkbox"/> 2. 0.11
	<input checked="" type="checkbox"/> 3. 0.22
	<input checked="" type="checkbox"/> 4. 0.78

Question Type :	<b>MCQ</b>
Question ID :	<b>630680194617</b>
Option 1 ID :	<b>630680754993</b>
Option 2 ID :	<b>630680754995</b>
Option 3 ID :	<b>630680754994</b>
Option 4 ID :	<b>630680754996</b>
Status :	<b>Answered</b>
Chosen Option :	<b>4</b>

<b>Q.3</b>	<b>Which view allows you to organise the sequence of slides in your presentation in MS PowerPoint?</b>
<b>6</b>	
<b>Ans</b>	<input checked="" type="checkbox"/> 1. Normal View
	<input checked="" type="checkbox"/> 2. Slide Sorter View
	<input checked="" type="checkbox"/> 3. Reading View
	<input checked="" type="checkbox"/> 4. Slide Show

Question Type :	<b>MCQ</b>
Question ID :	<b>6306801044001</b>
Option 1 ID :	<b>6306804098154</b>
Option 2 ID :	<b>6306804098155</b>
Option 3 ID :	<b>6306804098156</b>
Option 4 ID :	<b>6306804098153</b>
Status :	<b>Answered</b>
Chosen Option :	<b>4</b>

<b>Q.3</b>	<b>In a certain code language, 'CARE' is coded as '6975' and 'RISK' is coded as '4386'. What is the code for 'R' in that language?</b>
<b>7</b>	
<b>Ans</b>	<input checked="" type="checkbox"/> 1. 6
	<input checked="" type="checkbox"/> 2. 7
	<input checked="" type="checkbox"/> 3. 5
	<input checked="" type="checkbox"/> 4. 4

Question Type :	<b>MCQ</b>
Question ID :	<b>630680251546</b>
Option 1 ID :	<b>630680976189</b>
Option 2 ID :	<b>630680976187</b>
Option 3 ID :	<b>630680976190</b>
Option 4 ID :	<b>630680976188</b>
Status :	<b>Answered</b>
Chosen Option :	<b>2</b>

**Q.3** Which Article of the Indian Constitution provides for 'Right to work, to education and to public assistance in certain cases'?

**Ans** ✓ 1. Article 41

✗ 2. Article 34

✗ 3. Article 50

✗ 4. Article 29

Question Type : **MCQ**

Question ID : **630680790614**

Option 1 ID : **6306803098213**

Option 2 ID : **6306803098212**

Option 3 ID : **6306803098214**

Option 4 ID : **6306803098215**

Status : **Answered**

Chosen Option : **4**

**Q.3** The areas of three adjacent faces of a solid cuboid are  $260 \text{ cm}^2$ ,  $104 \text{ cm}^2$  and  $10 \text{ cm}^2$ .  
**9** What is the volume (in  $\text{cm}^3$ ) of the cuboid?

**Ans** ✗ 1. 782

✗ 2. 627

✓ 3. 520

✗ 4. 524

Question Type : **MCQ**

Question ID : **630680808782**

Option 1 ID : **6306803168708**

Option 2 ID : **6306803168709**

Option 3 ID : **6306803168707**

Option 4 ID : **6306803168710**

Status : **Answered**

Chosen Option : **4**

**Q.4** What is the equivalent of 1 bar in the SI unit of pressure?  
**0**

**Ans** ✓ 1.  $10^5 \text{ Pa}$

✗ 2.  $10^{-5} \text{ Pa}$

✗ 3.  $10^6 \text{ N/m}^2$

✗ 4.  $10^4 \text{ psi}$

Question Type : **MCQ**

Question ID : **6306801107185**

Option 1 ID : **6306804349200**

Option 2 ID : **6306804349198**

Option 3 ID : **6306804349201**

Option 4 ID : **6306804349199**

Status : **Answered**

Chosen Option : **1**

Q.4 Which of the following is NOT an input device?

1

Ans ✓ 1. Speaker

✗ 2. Digitizer

✗ 3. Mouse

✗ 4. Optical Character Reader (OCR)

Question Type : MCQ

Question ID : 6306801064855

Option 1 ID : 6306804181713

Option 2 ID : 6306804181715

Option 3 ID : 6306804181714

Option 4 ID : 6306804181716

Status : Answered

Chosen Option : 1

Q.4 The radius of a right circular cone is 2.1 cm and its height is 2.8 cm. The total surface area of the cone is: (Take  $\pi = 22/7$ )

2

Ans ✓ 1. 36.96 cm<sup>2</sup>

✗ 2. 46.2 cm<sup>2</sup>

✗ 3. 18.48 cm<sup>2</sup>

✗ 4. 23.1 cm<sup>2</sup>

Question Type : MCQ

Question ID : 630680664479

Option 1 ID : 6306802601509

Option 2 ID : 6306802601510

Option 3 ID : 6306802601507

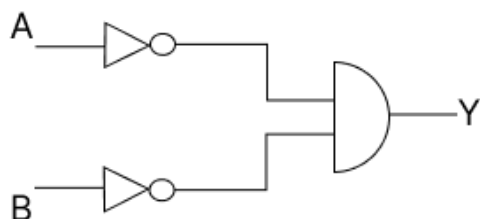
Option 4 ID : 6306802601508

Status : Answered

Chosen Option : 1

Q.4 The given logic gate diagram is equivalent to \_\_\_\_.

3



Ans ✗ 1. OR GATE

✓ 2. NOR GATE

✗ 3. NAND GATE

✗ 4. AND GATE

Question Type : MCQ

Question ID : 6306801112617

Option 1 ID : 6306804371104

Option 2 ID : 6306804371106

Option 3 ID : 6306804371105

Option 4 ID : 6306804371103

Status : Answered

Chosen Option : 4



Q.4 Which of the given options can replace the question mark (?) in the following series to make it logically complete?

FHI 21 IKL 18 LNO 15 OQR 12 ?

Ans ☒ 1. RTU 10

☒ 2. RTU 9

☒ 3. RTV 10

☒ 4. RST 9

Question Type : MCQ

Question ID : 630680439743

Option 1 ID : 6306801716714

Option 2 ID : 6306801716716

Option 3 ID : 6306801716717

Option 4 ID : 6306801716715

Status : Answered

Chosen Option : 2

Q.4 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Which numbers should replace X and Y so that the pattern followed by the two numbers on the left side of :: is same as that on the right side of ::?

(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.)

X : 49 :: 17 : Y

Ans ☒ 1. X = 25, Y = 39

☒ 2. X = 21, Y = 37

☒ 3. X = 23, Y = 37

☒ 4. X = 31, Y = 34

Question Type : MCQ

Question ID : 630680515687

Option 1 ID : 6306802015155

Option 2 ID : 6306802015153

Option 3 ID : 6306802015154

Option 4 ID : 6306802015156

Status : Answered

Chosen Option : 1

Q.4 What action should be taken if an antivirus software detects a virus?

Ans ☒ 1. Ignore the warning and continue using the computer.

☒ 2. Perform a system backup before taking any action.

☒ 3. Follow the software's instructions to quarantine or remove the virus.

☒ 4. Delete the infected files immediately.

Question Type : MCQ

Question ID : 6306801051963

Option 1 ID : 6306804130290

Option 2 ID : 6306804130292

Option 3 ID : 6306804130293

Option 4 ID : 6306804130291

Status : Answered

Chosen Option : 3

Q.4	Which part of the Linux OS controls a computer's boot up process?
7	
Ans	<input checked="" type="checkbox"/> 1. Kernel
	<input checked="" type="checkbox"/> 2. Bootloader
	<input checked="" type="checkbox"/> 3. Init system
	<input checked="" type="checkbox"/> 4. Daemons

Question Type :	MCQ
Question ID :	630680792371
Option 1 ID :	6306803105116
Option 2 ID :	6306803105118
Option 3 ID :	6306803105117
Option 4 ID :	6306803105119
Status :	Answered
Chosen Option :	1

Q.4	What is the purpose of setting a print area in a spreadsheet?
8	
Ans	<input checked="" type="checkbox"/> 1. To adjust the font size
	<input checked="" type="checkbox"/> 2. To freeze rows and columns
	<input checked="" type="checkbox"/> 3. To highlight the area with colours
	<input checked="" type="checkbox"/> 4. To define the range of cells to be printed

Question Type :	MCQ
Question ID :	6306801048928
Option 1 ID :	6306804117824
Option 2 ID :	6306804117825
Option 3 ID :	6306804117822
Option 4 ID :	6306804117823
Status :	Answered
Chosen Option :	4

Q.4	If the angle of elevation of the sun changes from $30^\circ$ to $45^\circ$ , the length of the shadow of a pillar decreases by 80 m. The height of the pillar is:
9	
Ans	<input checked="" type="checkbox"/> 1. $20(\sqrt{3} + 1)$ cm
	<input checked="" type="checkbox"/> 2. $10(\sqrt{6} + 1)$ cm
	<input checked="" type="checkbox"/> 3. $40(\sqrt{3} + 1)$ cm
	<input checked="" type="checkbox"/> 4. $30(\sqrt{3} + 1)$ cm

Question Type :	MCQ
Question ID :	630680518879
Option 1 ID :	6306802027988
Option 2 ID :	6306802027990
Option 3 ID :	6306802027991
Option 4 ID :	6306802027989
Status :	Answered
Chosen Option :	1

Q.5 0	The mode and median of a data is 19.5 and 85, respectively. What is the mean of the data? (Use empirical formula.)
Ans	<input checked="" type="checkbox"/> 1. 118.6
	<input checked="" type="checkbox"/> 2. 117.8
	<input checked="" type="checkbox"/> 3. 118
	<input checked="" type="checkbox"/> 4. 119.1

Question Type :	MCQ
Question ID :	630680801569
Option 1 ID :	6306803140837
Option 2 ID :	6306803140836
Option 3 ID :	6306803140839
Option 4 ID :	6306803140838
Status :	Answered
Chosen Option :	1

Q.5 1	The first and last terms of an A.P. are 36 and 46. If the sum of its terms is 574, then the number of terms will be?
Ans	<input checked="" type="checkbox"/> 1. 17
	<input checked="" type="checkbox"/> 2. 14
	<input checked="" type="checkbox"/> 3. 15
	<input checked="" type="checkbox"/> 4. 16

Question Type :	MCQ
Question ID :	630680972998
Option 1 ID :	6306803815770
Option 2 ID :	6306803815767
Option 3 ID :	6306803815768
Option 4 ID :	6306803815769
Status :	Answered
Chosen Option :	2

Q.5 2	The shadow of an 8 m tall building is of length 6 m on the ground. Which of the following is the distance of the end point of the shadow from the top of the building?
Ans	<input checked="" type="checkbox"/> 1. 9 m
	<input checked="" type="checkbox"/> 2. 12 m
	<input checked="" type="checkbox"/> 3. 6 m
	<input checked="" type="checkbox"/> 4. 10 m

Question Type :	MCQ
Question ID :	630680373881
Option 1 ID :	6306801456795
Option 2 ID :	6306801456798
Option 3 ID :	6306801456796
Option 4 ID :	6306801456797
Status :	Answered
Chosen Option :	4

Q.5 3 A copper wire has resistance R. If its radius is reduced to half while keeping the length constant, what will be the new resistance?

Ans ☒ 1. R

☒ 2. 2R

☒ 3. 16R

☒ 4. 4R

Question Type : MCQ

Question ID : 6306801105024

Option 1 ID : 6306804340625

Option 2 ID : 6306804340626

Option 3 ID : 6306804340627

Option 4 ID : 6306804340624

Status : Answered

Chosen Option : 2

Q.5 4 Quantisation error of an 8-bit A/D converter for an analog voltage in the range -1 to +1 volt is approximately equal to \_\_\_\_ mv.

Ans ☒ 1. 0.1

☒ 2. 2

☒ 3. 0.3

☒ 4. 0.4

Question Type : MCQ

Question ID : 6306801112664

Option 1 ID : 6306804371299

Option 2 ID : 6306804371300

Option 3 ID : 6306804371301

Option 4 ID : 6306804371302

Status : Answered

Chosen Option : 3

Q.5 5 Select the correct option for the band gap energies of Ge, Si and GaAs.  
Where E(Ge) = band gap energy of Ge, E(Si) = band gap energy of Si and E(GaAs) = band gap energy of GaAs

Ans ☒ 1. E(GaAs) > E (Si) > E (Ge)

☒ 2. E(GaAs) > E (Ge) > E (Si)

☒ 3. E(Ge) > E (Si) > E (GaAs)

☒ 4. E(Ge) > E (GaAs) > E (Si)

Question Type : MCQ

Question ID : 6306801109205

Option 1 ID : 6306804357421

Option 2 ID : 6306804357422

Option 3 ID : 6306804357420

Option 4 ID : 6306804357423

Status : Answered

Chosen Option : 2

Q.5 6	In a class of 37 students, 25 like to play cricket and 16 like to play football. Also, each student likes to play at least one of the two games. How many students like to play both cricket and football ?
Ans	<input checked="" type="checkbox"/> 1. 6
	<input checked="" type="checkbox"/> 2. 3
	<input checked="" type="checkbox"/> 3. 4
	<input checked="" type="checkbox"/> 4. 5

Question Type :	MCQ
Question ID :	6306801070454
Option 1 ID :	6306804204040
Option 2 ID :	6306804204038
Option 3 ID :	6306804204037
Option 4 ID :	6306804204039
Status :	Answered
Chosen Option :	3

Q.5 7	A wire loop is placed in a magnetic field that is increasing in magnitude but remains stationary. Using Fleming's Right-Hand Rule, what can be said about the induced current in the loop?
Ans	<input checked="" type="checkbox"/> 1. The direction of the current depends on the material of the loop
	<input checked="" type="checkbox"/> 2. The current is induced clockwise
	<input checked="" type="checkbox"/> 3. There is no induced current since the loop is stationary
	<input checked="" type="checkbox"/> 4. The current is induced counterclockwise

Question Type :	MCQ
Question ID :	6306801105328
Option 1 ID :	6306804341835
Option 2 ID :	6306804341833
Option 3 ID :	6306804341832
Option 4 ID :	6306804341834
Status :	Answered
Chosen Option :	2

Q.5 8	Evaluate: $\frac{1}{\left(\frac{5}{6}\right) + \left(\frac{7}{9}\right)} \div \frac{5}{23}$
Ans	<div>✗ 1. <math>4\frac{1}{27}</math></div> <div>✗ 2. <math>2\frac{5}{6}</math></div> <div>✓ 3. <math>2\frac{59}{69}</math></div> <div>✗ 4. <math>2\frac{53}{61}</math></div>

Question Type :	MCQ
Question ID :	630680827058
Option 1 ID :	6306803239568
Option 2 ID :	6306803239570
Option 3 ID :	6306803239567
Option 4 ID :	6306803239569
Status :	Answered
Chosen Option :	1

Q.5 9	Match the following geographical features with their respective region:								
	<table border="1"> <tr> <td>A. Karewas</td><td>I. Eastern Ghats</td></tr> <tr> <td>B. Barchans</td><td>II. Kashmir region</td></tr> <tr> <td>C. Mahendragiri</td><td>III. Coastal plain along Bay of Bengal</td></tr> <tr> <td>D. Northern Circar</td><td>IV. Thar desert</td></tr> </table>	A. Karewas	I. Eastern Ghats	B. Barchans	II. Kashmir region	C. Mahendragiri	III. Coastal plain along Bay of Bengal	D. Northern Circar	IV. Thar desert
A. Karewas	I. Eastern Ghats								
B. Barchans	II. Kashmir region								
C. Mahendragiri	III. Coastal plain along Bay of Bengal								
D. Northern Circar	IV. Thar desert								
Ans	<div>✓ 1. A-II, B-IV, C-I, D-III</div> <div>✗ 2. A-I, B-III, C-II, D-IV</div> <div>✗ 3. A-III, B-I, C-IV, D-II</div> <div>✗ 4. A-IV, B-II, C-III, D-I</div>								

Question Type :	MCQ
Question ID :	630680148314
Option 1 ID :	630680573928
Option 2 ID :	630680573929
Option 3 ID :	630680573930
Option 4 ID :	630680573931
Status :	Answered
Chosen Option :	3

**Q.6** In this question, a question is followed by two statements numbered (I) and (II). You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and decide the appropriate answer.  
**0** Question: Six people sit in two parallel rows. In Row 1- A, B and C sit facing towards north and in Row 2 - P, Q and R sit facing the south. Each person in a row faces a person in the other row. Who sits at the right extreme end of Row 1?  
 Statement (I): R sits to the immediate left of Q. Q faces A. B sits to the immediate left of A.  
 Statement (II): Only one person sits between B and C. B faces an immediate neighbour of Q.

- Ans** ☒ 1. Data in Statement I alone is sufficient to answer the question while data in statement II is not.
- ☐ 2. Data in Statement II alone is sufficient to answer the question while data in statement I is not.
- ☐ 3. Data in statements I and II together are sufficient to answer the question.
- ☐ 4. Data in statements I and II together are NOT sufficient to answer the question.

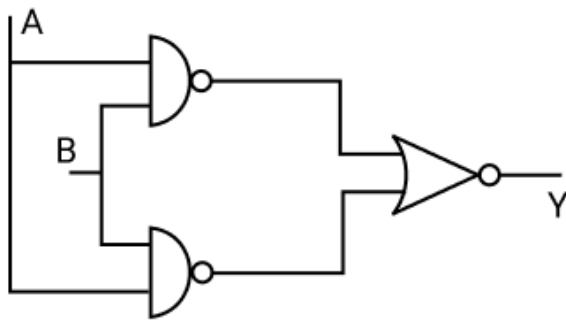
Question Type :	MCQ
Question ID :	630680149505
Option 1 ID :	630680578188
Option 2 ID :	630680578189
Option 3 ID :	630680578190
Option 4 ID :	630680578191
Status :	Answered
Chosen Option :	3

**Q.6** A 2 kg object is dropped from a height of 10 m. Assuming no air resistance, what will be the object's speed just before it hits the ground?  
**1**

- Ans** ☐ 1. 10 m/s
- ☐ 2. 25 m/s
- ☒ 3. 14 m/s
- ☐ 4. 20 m/s

Question Type :	MCQ
Question ID :	6306801104929
Option 1 ID :	6306804340245
Option 2 ID :	6306804340248
Option 3 ID :	6306804340246
Option 4 ID :	6306804340247
Status :	Answered
Chosen Option :	3

Q.6 Find the Boolean expression for the given logic gate circuit diagram where inputs are A and B.



- Ans
- ☒ 1.  $\overline{AB}$
  - ☒ 2.  $AB$
  - ☒ 3.  $A + B$
  - ☒ 4.  $\overline{A + B}$

Question Type : MCQ

Question ID : 6306801112638

Option 1 ID : 6306804371198

Option 2 ID : 6306804371197

Option 3 ID : 6306804371195

Option 4 ID : 6306804371196

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.6 Select the most appropriate options to fill in the blanks.  
3 The output voltage of L.V.D.T. transducer is practically \_\_\_\_\_ for displacements up to \_\_\_\_\_.

- Ans
- ☒ 1. linear; 5 mm
  - ☒ 2. exponential; 50 mm
  - ☒ 3. exponential; 5 mm
  - ☒ 4. linear; 50 mm

Question Type : MCQ

Question ID : 6306801114471

Option 1 ID : 6306804378300

Option 2 ID : 6306804378303

Option 3 ID : 6306804378302

Option 4 ID : 6306804378301

Status : Not Attempted and Marked For Review

Chosen Option : --



**Q.6** What is the work done when a constant force of 20 N is applied at an angle of  $30^\circ$  to the direction of displacement of 13 m?

**Ans** ✓ 1. 225 Joules

✗ 2. 390 Joules

✗ 3. 185 Joules

✗ 4. 260 Joules

Question Type : **MCQ**

Question ID : **6306801107276**

Option 1 ID : **6306804349562**

Option 2 ID : **6306804349565**

Option 3 ID : **6306804349564**

Option 4 ID : **6306804349563**

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

Chosen Option : --

**Q.6** Parallax error is an example of which type of error?

**Ans** ✗ 1. Random error

✓ 2. Systematic error

✗ 3. Instrumental error

✗ 4. Gross error

Question Type : **MCQ**

Question ID : **6306801104856**

Option 1 ID : **6306804339953**

Option 2 ID : **6306804339954**

Option 3 ID : **6306804339956**

Option 4 ID : **6306804339955**

Status : **Answered**

Chosen Option : **4**

**Q.6** If the resistance R is constant and the voltage V across a resistor is tripled, how does the power P change?

**Ans** ✗ 1. It increases by one-third of its original.

✓ 2. It increases by nine times.

✗ 3. It increases by three times.

✗ 4. It decreases by three times.

Question Type : **MCQ**

Question ID : **6306801107369**

Option 1 ID : **6306804349934**

Option 2 ID : **6306804349937**

Option 3 ID : **6306804349936**

Option 4 ID : **6306804349935**

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

Chosen Option : --

Q.6  
7 In which of the following countries does the industrial sector contribute less towards the GDP?

- Ans ☒ 1. China
- ☒ 2. Japan
- ☒ 3. Pakistan
- ☒ 4. India

Question Type : MCQ

Question ID : 63068079667

Option 1 ID : 630680308696

Option 2 ID : 630680308694

Option 3 ID : 630680308695

Option 4 ID : 630680308693

Status : Marked For Review

Chosen Option : 1

Q.6  
8 The long form of DAC and MAC is:

- Ans ☒ 1. Direct Access Control and Multiple Access Control
- ☒ 2. Discretionary Access Control and Mandatory Access Control
- ☒ 3. Direct Access Control and Mandatory Access Control
- ☒ 4. Discretionary Access Control and Multiple Access Control

Question Type : MCQ

Question ID : 6306801082923

Option 1 ID : 6306804252989

Option 2 ID : 6306804252990

Option 3 ID : 6306804252991

Option 4 ID : 6306804252992

Status : Answered

Chosen Option : 1

Q.6  
9 To select multiple slides, press and hold the \_\_\_\_ key, and then click each slide.

- Ans ☒ 1. Ctrl
- ☒ 2. Shift
- ☒ 3. Alt
- ☒ 4. Home

Question Type : MCQ

Question ID : 6306801100505

Option 1 ID : 6306804323317

Option 2 ID : 6306804323316

Option 3 ID : 6306804323315

Option 4 ID : 6306804323318

Status : Answered

Chosen Option : 1

**Q.7**  
**0** 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 statement(s).

**Statements:**

All roofs are sheds.  
No shed is a window.  
No shed is an door.

**Conclusions:**

(I) No roof is a window.  
(II) Some doors are windows.

- Ans** ☒ 1. Both conclusions (I) and (II) follow.
- ☒ 2. Only conclusion (II) follows.
- ☒ 3. Only conclusion (I) follows.
- ☒ 4. Neither conclusion (I) nor (II) follows.

Question Type : **MCQ**

Question ID : **630680503064**

Option 1 ID : **6306801965844**

Option 2 ID : **6306801965842**

Option 3 ID : **6306801965841**

Option 4 ID : **6306801965843**

Status : **Answered**

Chosen Option : **4**

**Q.7**  
**1** Select the most appropriate option to fill in the blank.

\_\_\_\_\_ error occurs as the value of flux density is different for the same value of current when increasing and decreasing.

- Ans** ☒ 1. Friction
- ☒ 2. Frequency
- ☒ 3. Hysteresis
- ☒ 4. Temperature

Question Type : **MCQ**

Question ID : **6306801114356**

Option 1 ID : **6306804377855**

Option 2 ID : **6306804377854**

Option 3 ID : **6306804377852**

Option 4 ID : **6306804377853**

Status : **Marked For Review**

Chosen Option : **2**

Q.7 2	What should come in place of the question mark (?) in the given series? 1230 1232 1236 1242 1250 ?
Ans	<input checked="" type="checkbox"/> 1. 1264
	<input checked="" type="checkbox"/> 2. 1263
	<input checked="" type="checkbox"/> 3. 1260
	<input checked="" type="checkbox"/> 4. 1262

Question Type :	MCQ
Question ID :	630680546618
Option 1 ID :	6306802137046
Option 2 ID :	6306802137045
Option 3 ID :	6306802137043
Option 4 ID :	6306802137044
Status :	Answered
Chosen Option :	3

Q.7 3	When performing the operation $(1.23456 \times 10^3) + (1.234 \times 10^2)$ , how many significant figures should be reported in the result, assuming no rounding errors?
Ans	<input checked="" type="checkbox"/> 1. 5
	<input checked="" type="checkbox"/> 2. 4
	<input checked="" type="checkbox"/> 3. 3
	<input checked="" type="checkbox"/> 4. 2

Question Type :	MCQ
Question ID :	6306801104844
Option 1 ID :	6306804339908
Option 2 ID :	6306804339907
Option 3 ID :	6306804339906
Option 4 ID :	6306804339905
Status :	Answered
Chosen Option :	2

Q.7 4	Which of the following behaviours aligns with netiquette guidelines?
Ans	<input checked="" type="checkbox"/> 1. Sending respectful and constructive emails
	<input checked="" type="checkbox"/> 2. Ignoring others' opinions in online discussions
	<input checked="" type="checkbox"/> 3. Responding promptly to messages
	<input checked="" type="checkbox"/> 4. Sharing properly cited information

Question Type :	MCQ
Question ID :	630680733225
Option 1 ID :	6306802873695
Option 2 ID :	6306802873698
Option 3 ID :	6306802873697
Option 4 ID :	6306802873696
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.7 5	How can a computer virus affect a system's functionality?
Ans	<input checked="" type="checkbox"/> 1. By optimizing system updates
	<input checked="" type="checkbox"/> 2. By causing software to malfunction or crash
	<input checked="" type="checkbox"/> 3. By improving hardware performance
	<input checked="" type="checkbox"/> 4. By accelerating system boot time

Question Type :	MCQ
Question ID :	6306801051890
Option 1 ID :	6306804130009
Option 2 ID :	6306804130007
Option 3 ID :	6306804130008
Option 4 ID :	6306804130006
Status :	Answered
Chosen Option :	2

Q.7 6	Which of the following shortcuts is used to Split the document window?
Ans	<input checked="" type="checkbox"/> 1. Ctrl + Alt + S
	<input checked="" type="checkbox"/> 2. Ctrl + Alt + C
	<input checked="" type="checkbox"/> 3. Alt + Shift + C
	<input checked="" type="checkbox"/> 4. Ctrl + Y

Question Type :	MCQ
Question ID :	6306801100978
Option 1 ID :	6306804325160
Option 2 ID :	6306804325161
Option 3 ID :	6306804325159
Option 4 ID :	6306804325162
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.7 7	According to Environment Performance Index (EPI) 2024, what was India's rank in greenhouse gas production in May 2024?
Ans	<input checked="" type="checkbox"/> 1. 2 <sup>nd</sup>
	<input checked="" type="checkbox"/> 2. 3 <sup>rd</sup>
	<input checked="" type="checkbox"/> 3. 7 <sup>th</sup>
	<input checked="" type="checkbox"/> 4. 11 <sup>th</sup>

Question Type :	MCQ
Question ID :	6306801004926
Option 1 ID :	6306803943557
Option 2 ID :	6306803943559
Option 3 ID :	6306803943558
Option 4 ID :	6306803943556
Status :	Answered
Chosen Option :	3

Q.7 The ratio of the lengths of two corresponding sides of two similar triangles is 6 : 2. The ratio of the areas of these two triangles, in the order mentioned, is:

Ans ☒ 1.  $6\sqrt{6} : 2$

☒ 2. 36 : 4

☒ 3. 37 : 5

☒ 4. 6 : 2

Question Type : MCQ

Question ID : 630680827670

Option 1 ID : 6306803242017

Option 2 ID : 6306803242015

Option 3 ID : 6306803242018

Option 4 ID : 6306803242016

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.7 Which of the following platforms is primarily used for professional networking?  
9

Ans ☒ 1. Twitter

☒ 2. Facebook

☒ 3. Instagram

☒ 4. LinkedIn

Question Type : MCQ

Question ID : 630680791562

Option 1 ID : 6306803101937

Option 2 ID : 6306803101936

Option 3 ID : 6306803101939

Option 4 ID : 6306803101938

Status : Answered

Chosen Option : 4

Q.8 If  $X = \{a, b, c, d\}$  and  $Y = \{f, b, d, g\}$ , find  $X \cap Y$ .  
0

Ans ☒ 1.  $\{b, d\}$

☒ 2.  $\{a, c\}$

☒ 3.  $\{g, f\}$

☒ 4.  $\{a, b, c, d, g, f\}$

Question Type : MCQ

Question ID : 6306801070489

Option 1 ID : 6306804204173

Option 2 ID : 6306804204176

Option 3 ID : 6306804204175

Option 4 ID : 6306804204174

Status : Answered

Chosen Option : 4

Q.8  
1 If the period T of a simple pendulum depends on its length L, mass m and acceleration due to gravity g, then using dimensional analysis, the period T is proportional to \_\_\_\_\_.

Ans

✗ 1.  $\frac{L}{g}$

✗ 2.  $\frac{mL}{g}$

✗ 3.  $\frac{L}{\sqrt{g}}$

✓ 4.  $\sqrt{\frac{L}{g}}$

Question Type : MCQ

Question ID : 6306801104793

Option 1 ID : 6306804339702

Option 2 ID : 6306804339703

Option 3 ID : 6306804339704

Option 4 ID : 6306804339701

Status : Answered

Chosen Option : 4

Q.8  
2 The value of the discriminant of the quadratic equation  $7x^2 - 18x - 11 = 0$  is:

Ans ✗ 1. 619

✓ 2. 632

✗ 3. 638

✗ 4. 616

Question Type : MCQ

Question ID : 630680841533

Option 1 ID : 6306803296686

Option 2 ID : 6306803296685

Option 3 ID : 6306803296687

Option 4 ID : 6306803296688

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8  
3 If the velocity v of a body is expressed as  $v = at + bt^2$ , where a and b are constants, the dimensions of b are \_\_\_\_\_.

Ans ✗ 1.  $[LT^{-2}]$

✓ 2.  $[LT^{-3}]$

✗ 3.  $[LT^{-1}]$

✗ 4.  $[L]$

Question Type : MCQ

Question ID : 6306801104817

Option 1 ID : 6306804339798

Option 2 ID : 6306804339800

Option 3 ID : 6306804339797

Option 4 ID : 6306804339799

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 4	Which HTTP method is typically used to download a web page?
Ans	<input checked="" type="checkbox"/> 1. PUT
	<input checked="" type="checkbox"/> 2. DELETE
	<input checked="" type="checkbox"/> 3. GET
	<input checked="" type="checkbox"/> 4. POST

Question Type :	MCQ
Question ID :	6306801051729
Option 1 ID :	6306804129330
Option 2 ID :	6306804129329
Option 3 ID :	6306804129331
Option 4 ID :	6306804129328
Status :	Answered
Chosen Option :	3

Q.8 5	In the following triad, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one that follows the same logic.  SALT - LSAT - TLAS MAID - IMAD - DIAM
Ans	<input checked="" type="checkbox"/> 1. MAIN - AMIN - NAIM
	<input checked="" type="checkbox"/> 2. BEAR - ABER - EARB
	<input checked="" type="checkbox"/> 3. LIFT - LFIT - TFIL
	<input checked="" type="checkbox"/> 4. KITE - TKIE - ETIK

Question Type :	MCQ
Question ID :	630680449440
Option 1 ID :	6306801754887
Option 2 ID :	6306801754888
Option 3 ID :	6306801754886
Option 4 ID :	6306801754885
Status :	Answered
Chosen Option :	3

Q.8 6	Two resistors, $R_1 = 10\ \Omega$ and $R_2 = 20\ \Omega$ , are connected in series to a 12-V battery. What is the voltage across $R_2$ ?
Ans	<input checked="" type="checkbox"/> 1. 4 V
	<input checked="" type="checkbox"/> 2. 8 V
	<input checked="" type="checkbox"/> 3. 12 V
	<input checked="" type="checkbox"/> 4. 16 V

Question Type :	MCQ
Question ID :	6306801105018
Option 1 ID :	6306804340600
Option 2 ID :	6306804340601
Option 3 ID :	6306804340602
Option 4 ID :	6306804340603
Status :	Not Attempted and Marked For Review
Chosen Option :	--



Q.8 Rearrange the following search engines according to the popularity of people using it.

7

- I. Yahoo
- II. Google
- III. Bing
- IV. Yandex

Ans ☒ 1. II, III, I, IV .

☐ 2. IV, III, II, I

☐ 3. I, II, III, IV

☐ 4. II, I, IV, III

Question Type : MCQ

Question ID : 6306801101078

Option 1 ID : 6306804325560

Option 2 ID : 6306804325562

Option 3 ID : 6306804325559

Option 4 ID : 6306804325561

Status : Answered

Chosen Option : 1

Q.8 If 'A' stands for '÷', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '−', then what will come in place of the question mark (?) in the following equation?

8

$$15 D 12 A 6 C 3 B 7 = ?$$

Ans ☐ 1. 32

☒ 2. 34

☐ 3. 31

☐ 4. 33

Question Type : MCQ

Question ID : 630680999381

Option 1 ID : 6306803921463

Option 2 ID : 6306803921465

Option 3 ID : 6306803921462

Option 4 ID : 6306803921464

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.8 If a machine does 3000 J of work in 15 seconds, what is the power output of the machine?

9

Ans ☐ 1. 450 W

☐ 2. 5 W

☐ 3. 5 mW

☒ 4. 200 W

Question Type : MCQ

Question ID : 6306801107272

Option 1 ID : 6306804349548

Option 2 ID : 6306804349546

Option 3 ID : 6306804349549

Option 4 ID : 6306804349547

Status : Answered

Chosen Option : 4

Q.9 0	If 8th and 12th terms of an A.P. be 82 and 478 respectively, then its 50th term is:
Ans	<input checked="" type="checkbox"/> 1. 4242
	<input checked="" type="checkbox"/> 2. 4240
	<input checked="" type="checkbox"/> 3. 4241
	<input checked="" type="checkbox"/> 4. 4238

Question Type :	MCQ
Question ID :	630680972757
Option 1 ID :	6306803814806
Option 2 ID :	6306803814803
Option 3 ID :	6306803814805
Option 4 ID :	6306803814804
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.9 1	Which of the following correctly expresses the relationship between power, force, time and distance?
Ans	<input checked="" type="checkbox"/> 1. $P = F \times d/t$
	<input checked="" type="checkbox"/> 2. $P = F \times t/d$
	<input checked="" type="checkbox"/> 3. $P = F \times d \times t$
	<input checked="" type="checkbox"/> 4. $P = F/d \times t$

Question Type :	MCQ
Question ID :	6306801107260
Option 1 ID :	6306804349499
Option 2 ID :	6306804349501
Option 3 ID :	6306804349498
Option 4 ID :	6306804349500
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.9 2	Which of the following methods can be used to delete multiple columns simultaneously in Excel?
Ans	<input checked="" type="checkbox"/> 1. Use the "Clear" option from the Home tab
	<input checked="" type="checkbox"/> 2. Select the columns, then press the Delete key
	<input checked="" type="checkbox"/> 3. Select the columns, then right-click and press "Delete"
	<input checked="" type="checkbox"/> 4. Use the "Find and Replace" feature

Question Type :	MCQ
Question ID :	630680746095
Option 1 ID :	6306802924538
Option 2 ID :	6306802924537
Option 3 ID :	6306802924536
Option 4 ID :	6306802924539
Status :	Answered
Chosen Option :	2

Q.9	Evaluate: $38 - 9 \div 6 \times 6$
3	
Ans	<input checked="" type="checkbox"/> 1. 28
	<input checked="" type="checkbox"/> 2. 32
	<input checked="" type="checkbox"/> 3. 27
	<input checked="" type="checkbox"/> 4. 29

Question Type :	MCQ
Question ID :	630680688627
Option 1 ID :	6306802697169
Option 2 ID :	6306802697171
Option 3 ID :	6306802697170
Option 4 ID :	6306802697168
Status :	Answered
Chosen Option :	4

Q.9	When was the second war between the British army and Burma started?
4	
Ans	<input checked="" type="checkbox"/> 1. 1885
	<input checked="" type="checkbox"/> 2. 1826
	<input checked="" type="checkbox"/> 3. 1852
	<input checked="" type="checkbox"/> 4. 1824

Question Type :	MCQ
Question ID :	63068053842
Option 1 ID :	630680207431
Option 2 ID :	630680207430
Option 3 ID :	630680207432
Option 4 ID :	630680207433
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.9	Which of the following statements are true about GPU?
5	
	i. The full form of GPU is Graphical User Interface.
	ii. GPUs are made for the acceleration and enhancement of computer graphics and processed images.
	iii. The GPU exists as an electronic circuit that can be found on graphics card.
	iv. The GPU exists as a special electronic circuit that can be used in PCs and game consoles.
Ans	<input checked="" type="checkbox"/> 1. Only i, ii, and iii
	<input checked="" type="checkbox"/> 2. i, ii, iii and iv
	<input checked="" type="checkbox"/> 3. Only i, ii, and iv
	<input checked="" type="checkbox"/> 4. Only ii and iii

Question Type :	MCQ
Question ID :	6306801064842
Option 1 ID :	6306804181661
Option 2 ID :	6306804181664
Option 3 ID :	6306804181662
Option 4 ID :	6306804181663
Status :	Answered
Chosen Option :	4

Q.9 6	The area of the triangle ABC with the vertices A(-5, 7), B(-4, -5) and C(4, 5) is
Ans	<input checked="" type="checkbox"/> 1. 36 sq. units
	<input checked="" type="checkbox"/> 2. 63 sq. units
	<input checked="" type="checkbox"/> 3. 53 sq. units
	<input checked="" type="checkbox"/> 4. 35 sq. units

Question Type :	MCQ
Question ID :	6306801070300
Option 1 ID :	6306804203436
Option 2 ID :	6306804203435
Option 3 ID :	6306804203433
Option 4 ID :	6306804203434
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.9 7	A statement is given followed by two arguments. Decide which of the arguments is/are strong with respect to the statement. Statement: For the fifth consecutive day, the government announced an increase in the price of petrol by ₹2. Arguments: I. The international market has reduced fuel production. II. Taxes on petrol imports have increased.
----------	--

Ans	<input checked="" type="checkbox"/> 1. Both I and II weaken the statement.
	<input checked="" type="checkbox"/> 2. II weakens while I strengthens the statement.
	<input checked="" type="checkbox"/> 3. Both I and II strengthen the statement.
	<input checked="" type="checkbox"/> 4. I weakens while II strengthens the statement.

Question Type :	MCQ
Question ID :	630680153545
Option 1 ID :	630680594082
Option 2 ID :	630680594081
Option 3 ID :	630680594083
Option 4 ID :	630680594080
Status :	Answered
Chosen Option :	3

Q.9 8	If the sum and product of the roots of a quadratic equation are $\frac{11}{2}$ and $\frac{15}{2}$ , respectively, then the equation whose roots are double the roots of the given equation is:
----------	--

Ans	<input checked="" type="checkbox"/> 1. $x^2 - 11x - 30 = 0$
	<input checked="" type="checkbox"/> 2. $x^2 + 11x - 30 = 0$
	<input checked="" type="checkbox"/> 3. $x^2 - 11x + 30 = 0$
	<input checked="" type="checkbox"/> 4. $x^2 + 11x + 30 = 0$

Question Type :	MCQ
Question ID :	630680183222
Option 1 ID :	630680709958
Option 2 ID :	630680709957
Option 3 ID :	630680709960
Option 4 ID :	630680709959
Status :	Not Attempted and Marked For Review
Chosen Option :	--

Q.9 In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Which numbers should replace X and Y so that the pattern followed by the two numbers on the left side of :: is same as that on the right side of ::?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

X : 32 :: 18 : Y

Ans ☒ 1. X=13, Y=30

☒ 2. X=15, Y=37

☒ 3. X=14, Y=35

☒ 4. X=13, Y=37

Question Type : MCQ

Question ID : 630680880527

Option 1 ID : 6306803448746

Option 2 ID : 6306803448747

Option 3 ID : 6306803448745

Option 4 ID : 6306803448748

Status : Not Attempted and Marked For Review

Chosen Option : --

Q.1 Refer to the following letter, number and symbol series and answer the question that follows.

(Left) Q C 9 U @ 8 D & A D V 9 2 2 @ ^ L Y A / + K (Right)

How many such letters are there that are immediately preceded by a number and immediately followed by a symbol?

Ans ☒ 1. Three

☒ 2. Four

☒ 3. One

☒ 4. Two

Question Type : MCQ

Question ID : 630680999398

Option 1 ID : 6306803921540

Option 2 ID : 6306803921541

Option 3 ID : 6306803921538

Option 4 ID : 6306803921539

Status : Answered

Chosen Option : 4