

आर्मर्ड व्हीकल्स निगम लिमिटेड
भारत सरकार का उद्यम
रक्षा मंत्रालय



ARMoured VEHICLES NIGAM LIMITED
A GOVT. OF INDIA ENTERPRISE
MINISTRY OF DEFENCE

Participant ID	
Participant Name	
Test Center Name	
Test Date	10/09/2026
Test Time	9:00 AM - 11:00 AM
Subject	Junior Technician Electronic Mechanic

Section : General Awareness

Q.1 भारतीय रिजर्व बैंक की मौद्रिक नीति समिति (MPC) ने जून 2026 में वित्त वर्ष 2026-27 के लिए अपनी दूसरी द्वि-मासिक मौद्रिक नीति में किस नीति दर को 5.25% पर अपरिवर्तित रखने का निर्णय लिया?

- Ans
- ☒ 1. बैंक दर (Bank Rate)
 - ☒ 2. रिवर्स रेपो दर (Reverse Repo Rate)
 - ☒ 3. पॉलिसी रेपो दर (Policy Repo Rate)
 - ☒ 4. मार्जिनल स्टैंडिंग फैसिलिटी दर (Marginal Standing Facility Rate)

Question ID : 4410092204449

Option 1 ID : 4410098674489

Option 2 ID : 4410098674488

Option 3 ID : 4410098674490

Option 4 ID : 4410098674491

Chosen Option ID : 4410098674491

Q.2 मार्च 2026 में, किस भारतीय राज्य के स्वास्थ्य विभाग ने MeHEALTH ऐप लॉन्च किया था, जिसका उद्देश्य 10 किलोमीटर के दायरे में सरकारी स्वास्थ्य सुविधाओं, उपलब्ध स्पेशलिटीज़ और लेबोरेटरी टेस्ट शुल्कों के बारे में जानकारी प्रदान करना है?

- Ans ☒ 1. केरल
☐ 2. ओडिशा
☐ 3. महाराष्ट्र
☐ 4. कर्नाटक

Question ID : 4410091659061
Option 1 ID : 4410096550629
Option 2 ID : 4410096550632
Option 3 ID : 4410096550631
Option 4 ID : 4410096550630
Chosen Option ID : 4410096550629

Q.3 73^{वें} और 74^{वें} संवैधानिक संशोधन अधिनियम मुख्य रूप से निम्नलिखित में से किससे संबंधित हैं?

- Ans ☐ 1. पिछड़े वर्गों के लिए शैक्षणिक संस्थानों में आरक्षण
☒ 2. पंचायतों और नगर पालिकाओं को संवैधानिक दर्जा देना
☐ 3. राष्ट्रीय न्यायिक नियुक्ति आयोग के गठन
☐ 4. वस्तु एवं सेवा कर की स्थापना

Question ID : 4410091537775
Option 1 ID : 4410096074360
Option 2 ID : 4410096074359
Option 3 ID : 4410096074361
Option 4 ID : 4410096074362
Chosen Option ID : 4410096074359

Q.4 1534 CE में, किस यूरोपीय शक्ति ने गुजरात के बहादुर शाह से मुंबई (बॉम्बे) की सत्ता हथिया ली थी?

- Ans ☐ 1. फ्रांसीसी
☐ 2. डच
☒ 3. पुर्तगाली
☐ 4. ब्रिटिश

Question ID : 4410092204648
Option 1 ID : 4410098675157
Option 2 ID : 4410098675158
Option 3 ID : 4410098675159
Option 4 ID : 4410098675156
Chosen Option ID : 4410098675159

Q.5 भारत के किस क्षेत्र को मधुबनी चित्रकला के जन्मस्थान के रूप में जाना जाता है?

- Ans
- ☐ 1. राजस्थान का थार क्षेत्र
 - ☐ 2. बंगाल का सुंदरबन क्षेत्र
 - ☐ 3. केरल का मालाबार क्षेत्र
 - ☒ 4. बिहार का मिथिला क्षेत्र

Question ID : 4410092204651

Option 1 ID : 4410098675171

Option 2 ID : 4410098675168

Option 3 ID : 4410098675169

Option 4 ID : 4410098675170

Chosen Option ID : 4410098675170

Q.6 Which scheme is primarily designed to create basic electricity infrastructure, strengthen distribution networks, and implement metering in rural areas in India?

- Ans
- ☐ 1. Pradhan Mantri Ujjwala Yojana (PMUY)
 - ☒ 2. Deendayal Upadhyaya Gram Jyoti Yojana (DDUGJY)
 - ☐ 3. Shyama Prasad Mukherji Rurban Mission (SPMRM)
 - ☐ 4. Pradhan Mantri Sahaj Bijli Har Ghar Yojana (Saubhagya)

Question ID : 4410091752566

Option 1 ID : 4410096911454

Option 2 ID : 4410096911452

Option 3 ID : 4410096911451

Option 4 ID : 4410096911453

Chosen Option ID : 4410096911453

Q.7 Which type of sand dune is commonly associated with the Thar Desert?

- Ans
- ☐ 1. Eskers
 - ☐ 2. Drumlins
 - ☐ 3. Moraines
 - ☒ 4. Barchans

Question ID : 4410092204666

Option 1 ID : 4410098675235

Option 2 ID : 4410098675233

Option 3 ID : 4410098675234

Option 4 ID : 4410098675232

Chosen Option ID : 4410098675232

Q.8 Article 6 of the Indian Constitution deals with the citizenship of persons who have migrated from ____.

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

Question ID : 4410091516756

Option 1 ID : 4410095990426

Option 2 ID : 4410095990428

Option 3 ID : 4410095990427

Option 4 ID : 4410095990425

Chosen Option ID : 4410095990427

Q.9 The hot, dry wind that blows over the northern plains of India during May and June is known as which of the following?

- Ans ☐ 1. Föhn
☐ 2. Chinook
☒ 3. Loo
☐ 4. Harmattan

Question ID : 4410091609384

Option 1 ID : 4410096356458

Option 2 ID : 4410096356456

Option 3 ID : 4410096356457

Option 4 ID : 4410096356459

Chosen Option ID : 4410096356457

Q.10 Which institution was designated to provide credit guarantee coverage to Member Lending Institutions (MLIs) for extending additional credit support to eligible business borrowers under the Emergency Credit Line Guarantee Scheme (ECLGS) 5.0?

- Ans ☒ 1. National Credit Guarantee Trustee Company Limited
☐ 2. Reserve Bank of India
☐ 3. Ministry of Finance
☐ 4. Securities and Exchange Board of India

Question ID : 4410092204466

Option 1 ID : 4410098674551

Option 2 ID : 4410098674549

Option 3 ID : 4410098674550

Option 4 ID : 4410098674548

Chosen Option ID : 4410098674551

Section : General English

Q.1 Choose the correct idiom to replace the underlined segment.
He avoided answering the question and spoke indirectly in the interview.

- Ans
- ☒ 1. took the bull by the horns
 - ☒ 2. cut to the chase
 - ☒ 3. beat around the bush
 - ☒ 4. pulled someone's leg

Question ID : 4410091524351
Option 1 ID : 4410096020666
Option 2 ID : 4410096020665
Option 3 ID : 4410096020664
Option 4 ID : 4410096020667
Chosen Option ID : 4410096020666

Q.2 In the question given below, out of four alternatives, choose the one which can be substituted for the given phrase.
Lasting forever⁵⁹²⁸

- Ans
- ☒ 1. momentary
 - ☒ 2. transient
 - ☒ 3. eternal
 - ☒ 4. outdated

Question ID : 441009433584
Option 1 ID : 4410091693857
Option 2 ID : 4410091693856
Option 3 ID : 4410091693854
Option 4 ID : 4410091693855
Chosen Option ID : 4410091693856

Q.3 In the given question, a sentence is divided into different phrases and the first phrase (S1) is fixed. Choose the most appropriate order from the options given which best rearranges the remaining phrases to form a coherent sentence.
S1: Even after achieving considerable success,
P: the writer remained deeply self-critical,
Q: should reflect growth, discipline,
R: believing that each new work
S: and intellectual honesty

- Ans
- ☒ 1. QRPS
 - ☒ 2. SQRP
 - ☒ 3. PRQS
 - ☒ 4. PSRQ

Question ID : 4410091678761
Option 1 ID : 4410096623258
Option 2 ID : 4410096623259
Option 3 ID : 4410096623260
Option 4 ID : 4410096623257
Chosen Option ID : 4410096623260

Q.4 Identify the part of the following sentence that contains an error.

The documentary provided a fascinate account of the ancient civilization.

- Ans
- ☒ 1. The documentary provided
 - ☒ 2. civilization
 - ☒ 3. of the ancient
 - ☒ 4. a fascinate account

Question ID : 4410092200181

Option 1 ID : 4410098657902

Option 2 ID : 4410098657901

Option 3 ID : 4410098657903

Option 4 ID : 4410098657900

Chosen Option ID : 4410098657902

Q.5 Choose the option which best replaces the underlined phrase in the given sentence.
The witness (committed) gave false evidence while under oath in court.

- Ans
- ☒ 1. ignorance
 - ☒ 2. frankness
 - ☒ 3. perjury
 - ☒ 4. obscurity

Question ID : 4410091678799

Option 1 ID : 4410096623405

Option 2 ID : 4410096623408

Option 3 ID : 4410096623406

Option 4 ID : 4410096623407

Chosen Option ID : 4410096623406

Q.6 Fill in the blanks with the appropriate option.

During the international conference on renewable energy, my cousin was offered _____ fellowship to _____ institute located in Germany. Interestingly, the funding came from _____ organization in Canada that promotes sustainable research projects.

- Ans
- ☒ 1. a, an, an
 - ☒ 2. a, an, a
 - ☒ 3. a, a, a
 - ☒ 4. a, a, an

Question ID : 4410091507490

Option 1 ID : 4410095954563

Option 2 ID : 4410095954562

Option 3 ID : 4410095954564

Option 4 ID : 4410095954561

Chosen Option ID : 4410095954563

Q.7 Choose the word that is closest in meaning to the underlined word:

Her explanation was very clear and easy to understand.

- Ans
- ☐ 1. logical
 - ☐ 2. literal
 - ☐ 3. vague
 - ☒ 4. lucid

Question ID : 4410091583056

Option 1 ID : 4410096253573

Option 2 ID : 4410096253572

Option 3 ID : 4410096253575

Option 4 ID : 4410096253574

Chosen Option ID : 4410096253573

Comprehension:

Read the given passage carefully and answer the following questions.

After arriving in Barcelona, Daniel and Julia meet Daniel's friend Armando at the airport. Armando welcomes them warmly and takes them to his flat where they will stay during the term. The weather is hot and the siblings are hungry, so Armando suggests two nearby restaurants. Julia decides to go to a fish restaurant nearby, while Daniel takes a bus to a restaurant called La Paella Loca. Daniel becomes very tired on the bus and falls asleep. When he wakes up, he discovers something shocking—the bus has taken him far away to another city, Valencia. His phone battery is dead, and he does not know Julia's phone number. Feeling confused and hungry, he decides to eat dinner at a restaurant and later calls his parents in London for help.

SubQuestion No : 8

Q.8 Identify the main theme of the passage.

- Ans
- ☐ 1. The differences between Barcelona and Valencia
 - ☐ 2. The strong bond between siblings during a vacation
 - ☒ 3. A travel mishap and coping with an unexpected situation
 - ☐ 4. The excitement of exploring famous restaurants in Spain

Question ID : 4410091843465

Option 1 ID : 4410097266859

Option 2 ID : 4410097266860

Option 3 ID : 4410097266858

Option 4 ID : 4410097266857

Chosen Option ID : 4410097266858

Comprehension:

Read the given passage carefully and answer the following questions.

After arriving in Barcelona, Daniel and Julia meet Daniel's friend Armando at the airport. Armando welcomes them warmly and takes them to his flat where they will stay during the term. The weather is hot and the siblings are hungry, so Armando suggests two nearby restaurants. Julia decides to go to a fish restaurant nearby, while Daniel takes a bus to a restaurant called La Paella Loca. Daniel becomes very tired on the bus and falls asleep. When he wakes up, he discovers something shocking—the bus has taken him far away to another city, Valencia. His phone battery is dead, and he does not know Julia's phone number. Feeling confused and hungry, he decides to eat dinner at a restaurant and later calls his parents in London for help.

SubQuestion No : 9

Q.9 Why couldn't Daniel contact Julia?

- Ans**
- ☐ 1. Julia turned off her phone
 - ☐ 2. The restaurant had no signal
 - ☒ 3. His phone battery had died
 - ☐ 4. He lost his phone in the restaurant

Question ID : 4410091843466

Option 1 ID : 4410097266863

Option 2 ID : 4410097266864

Option 3 ID : 4410097266861

Option 4 ID : 4410097266862

Chosen Option ID : 4410097266861

Comprehension:

Read the given passage carefully and answer the following questions.

After arriving in Barcelona, Daniel and Julia meet Daniel's friend Armando at the airport. Armando welcomes them warmly and takes them to his flat where they will stay during the term. The weather is hot and the siblings are hungry, so Armando suggests two nearby restaurants. Julia decides to go to a fish restaurant nearby, while Daniel takes a bus to a restaurant called La Paella Loca. Daniel becomes very tired on the bus and falls asleep. When he wakes up, he discovers something shocking—the bus has taken him far away to another city, Valencia. His phone battery is dead, and he does not know Julia's phone number. Feeling confused and hungry, he decides to eat dinner at a restaurant and later calls his parents in London for help.

SubQuestion No : 10

Q.10 Which word is opposite in meaning to "shocking" as used in the passage?

- Ans**
- ☒ 1. Reassuring
 - ☐ 2. Insightful
 - ☐ 3. Gloomy
 - ☐ 4. Complex

Question ID : 4410091843467

Option 1 ID : 4410097266866

Option 2 ID : 4410097266865

Option 3 ID : 4410097266868

Option 4 ID : 4410097266867

Chosen Option ID : 4410097266865

Q.1 Sujal bought a headphone with 32% discount on the labelled price. If the headphone cost her ₹2550, what is the labelled price of the headphone?

- Ans
- ☒ 1. ₹3780
 - ☒ 2. ₹3550
 - ☒ 3. ₹3750
 - ☒ 4. ₹3650

Question ID : 4410091774145

Option 1 ID : 4410096996184

Option 2 ID : 4410096996181

Option 3 ID : 4410096996183

Option 4 ID : 4410096996182

Chosen Option ID : 4410096996184

Q.2 O केंद्र वाले दो संकेद्री वृत्त हैं। 13 cm त्रिज्या वाले बड़े वृत्त की 24 cm लंबी जीवा PQ, छोटे वृत्त पर R पर एक स्पर्शरिखा है। यदि बड़े वृत्त पर P और Q पर खींची गई स्पर्शरिखाएं T पर मिलती हैं, तो PT की लंबाई ज्ञात कीजिए।

- Ans
- ☒ 1. 31.2 cm
 - ☒ 2. 30.4 cm
 - ☒ 3. 28.8 cm
 - ☒ 4. 30 cm

Question ID : 441009592668

Option 1 ID : 4410092325792

Option 2 ID : 4410092325791

Option 3 ID : 4410092325790

Option 4 ID : 4410092325789

Chosen Option ID : 4410092325791

Q.3 A card is drawn at random from a pack of 52 playing cards. What is the probability of getting a king?

- Ans
- ☒ 1. $\frac{1}{2}$
 - ☒ 2. $\frac{1}{6}$
 - ☒ 3. $\frac{1}{8}$
 - ☒ 4. $\frac{1}{13}$

Question ID : 4410091787022

Option 1 ID : 4410097046717

Option 2 ID : 4410097046718

Option 3 ID : 4410097046719

Option 4 ID : 4410097046716

Chosen Option ID : 4410097046716

Q.4 Two cylinders are of the same radius. Their heights are in the ratio 5 : 8. If the volume of the first cylinder is 30 cm^3 , then the volume (in cm^3) of the second cylinder is:

- Ans
- ☐ 1. 54
 - ☐ 2. 36
 - ☒ 3. 48
 - ☐ 4. 60

Question ID : 441009592441

Option 1 ID : 4410092324881

Option 2 ID : 4410092324883

Option 3 ID : 4410092324882

Option 4 ID : 4410092324884

Chosen Option ID : 4410092324882

Q.5 Find the value of $\frac{\operatorname{cosec} A}{\tan A + \cot A}$.

- Ans
- ☐ 1. $\sec A$
 - ☐ 2. $\operatorname{cosec} A$
 - ☐ 3. $\sin A$
 - ☒ 4. $\cos A$

Question ID : 441009591935

Option 1 ID : 4410092322860

Option 2 ID : 4410092322858

Option 3 ID : 4410092322859

Option 4 ID : 4410092322857

Chosen Option ID : 4410092322858

Q.6 धारा की दिशा में नाव की चाल 5 m/s है और धारा के विपरीत दिशा में नाव की चाल 10 km/hr है। स्थिर जल में नाव की चाल (km/hr में) कितनी है?

- Ans
- ☒ 1. 14
 - ☐ 2. 7.5
 - ☐ 3. 12
 - ☐ 4. 9

Question ID : 4410091769739

Option 1 ID : 4410096978651

Option 2 ID : 4410096978648

Option 3 ID : 4410096978650

Option 4 ID : 4410096978649

Chosen Option ID : 4410096978648

Q.7 यदि दो संख्याओं का योग 48 और अंतर 12 है, तो बड़ी संख्या ज्ञात कीजिए।

- Ans
- ☐ 1. 28
 - ☐ 2. 32
 - ☒ 3. 30
 - ☐ 4. 25

Question ID : 4410091787020
Option 1 ID : 4410097046709
Option 2 ID : 4410097046710
Option 3 ID : 4410097046708
Option 4 ID : 4410097046711
Chosen Option ID : 4410097046711

Q.8 8, 12, 18 का चतुर्थानुपाती ज्ञात कीजिए।

- Ans
- ☒ 1. 27
 - ☐ 2. 36
 - ☐ 3. 32
 - ☐ 4. 24

Question ID : 4410091743312
Option 1 ID : 4410096874911
Option 2 ID : 4410096874913
Option 3 ID : 4410096874912
Option 4 ID : 4410096874910
Chosen Option ID : 4410096874911

Q.9 एक स्टोरेज टैंक की क्षमता 1800 लीटर है। एक पाइप 300 लीटर प्रति घंटे की दर से टैंक को भरता है। 4 घंटे के बाद, टैंक को पूरी तरह से भरने के लिए कितने और पानी की आवश्यकता है?

- Ans
- ☐ 1. 800 लीटर
 - ☒ 2. 600 लीटर
 - ☐ 3. 500 लीटर
 - ☐ 4. 700 लीटर

Question ID : 4410092156749
Option 1 ID : 4410098488262
Option 2 ID : 4410098488260
Option 3 ID : 4410098488259
Option 4 ID : 4410098488261
Chosen Option ID : 4410098488260

Q.10 Solve for x: $4(4x^2 - 5) - 4(4x^2 + 7x - 5) = 17$

Ans

- ✓ 1. $-\frac{17}{28}$
✗ 2. $-\frac{25}{28}$
✗ 3. $-\frac{11}{14}$
✗ 4. $-\frac{6}{7}$

Question ID : 4410091226296

Option 1 ID : 4410094838667

Option 2 ID : 4410094838669

Option 3 ID : 4410094838668

Option 4 ID : 4410094838670

Chosen Option ID : 4410094838667

Section : Reasoning Ability

Q.1 WANG is related to KOBV in a certain way based on the English alphabetical order. In the same way, AERK is related to OSFY. To which of the following options is QUHA related, following the same logic?

Ans

- ✗ 1. VIOE
✗ 2. VOIE
✗ 3. OVTR
✓ 4. EIVO

Question ID : 441009821145

Option 1 ID : 4410093238704

Option 2 ID : 4410093238705

Option 3 ID : 4410093238706

Option 4 ID : 4410093238703

Chosen Option ID : 4410093238703

Q.2 यह प्रश्न नीचे दी गई तीन अंकों की पाँच संख्याओं पर आधारित है।
(बाएं) 745 659 249 458 698 (दाएं)
(उदाहरण- 697 – पहला अंक = 6, दूसरा अंक = 9 और तीसरा अंक = 7)

यदि सबसे बड़ी संख्या के दूसरे अंक को सबसे छोटी संख्या के तीसरे अंक में जोड़ दिया जाए, तो परिणाम क्या होगा?

- Ans
- ☒ 1. 12
 - ☒ 2. 15
 - ☒ 3. 14
 - ☒ 4. 13

Question ID : 4410092407871
Option 1 ID : 4410099469854
Option 2 ID : 4410099469857
Option 3 ID : 4410099469856
Option 4 ID : 4410099469855
Chosen Option ID : 4410099469855

Q.3 निम्नलिखित अक्षर, प्रतीक श्रृंखला का संदर्भ लीजिए और दिए गए प्रश्न का उत्तर दीजिए।
(बाएं) K S * \$ @ M N % O P * T I J \$ % L A Q I # S (दाएं)
यदि श्रृंखला से सभी अक्षर हटा दिए जाएं, तो निम्नलिखित में से कौन-सा, दाएं से दूसरा होगा?

- Ans
- ☒ 1. #
 - ☒ 2. %
 - ☒ 3. *
 - ☒ 4. \$

Question ID : 441009779999
Option 1 ID : 4410093073999
Option 2 ID : 4410093074002
Option 3 ID : 4410093074001
Option 4 ID : 4410093074000
Chosen Option ID : 4410093073999

Q.4 दिए गए कथनों और निष्कर्षों को ध्यानपूर्वक पढ़िए। यह मानते हुए कि कथनों में दी गई जानकारी सत्य है, भले ही वह सामान्यतः ज्ञात तथ्यों से भिन्न प्रतीत होती हो, यह तय कीजिए कि दिए गए निष्कर्षों में से कौन-से निष्कर्ष कथनों का तार्किक रूप से अनुसरण करते हैं।

कथन:

कुछ दरवाज़े, हाथी हैं।

कोई भी दरवाज़ा, धब्बा नहीं है।

निष्कर्ष:

(I): सभी हाथी, दरवाज़े हैं।

(II): कुछ धब्बे, हाथी हैं।

- Ans
- ☒ 1. केवल निष्कर्ष (II) अनुसरण करता है
 - ☒ 2. केवल निष्कर्ष (I) अनुसरण करता है
 - ☒ 3. निष्कर्ष (I) और (II) दोनों अनुसरण करते हैं
 - ☒ 4. न तो निष्कर्ष (I) और न ही (II) अनुसरण करता है

Question ID : 441009149746

Option 1 ID : 441009594711

Option 2 ID : 441009594710

Option 3 ID : 441009594713

Option 4 ID : 441009594712

Chosen Option ID : 441009594710

Q.5 KNUCKLE शब्द में प्रत्येक अक्षर को वर्णमाला क्रम में व्यवस्थित किया जाए, तो इस प्रकार बने नए अक्षर-समूह में बाएं से चौथे अक्षर और दाएं से तीसरे अक्षर के बीच अंग्रेजी वर्णमाला क्रम में कितने अक्षर होते हैं?

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

Question ID : 441009263664

Option 1 ID : 4410091027117

Option 2 ID : 4410091027116

Option 3 ID : 4410091027114

Option 4 ID : 4410091027115

Chosen Option ID : 4410091027114

Q.6 C, D, E, F, G, X और Y में से प्रत्येक का साक्षात्कार सोमवार से शुरू होकर रविवार को समाप्त होने वाले एक ही सप्ताह के अलग-अलग दिन है। X का साक्षात्कार शुक्रवार को है। C और X के बीच केवल तीन व्यक्तियों का साक्षात्कार है। X और F के बीच केवल एक व्यक्ति का साक्षात्कार है। D और C के बीच केवल एक व्यक्ति का साक्षात्कार है। G का साक्षात्कार, E के बाद किसी एक दिन, लेकिन Y से पहले किसी एक दिन है। G के बाद कितने व्यक्तियों का साक्षात्कार है?

- Ans
- ☐ 1. चार
 - ☒ 2. तीन
 - ☐ 3. एक
 - ☐ 4. दो

Question ID : 4410091432296

Option 1 ID : 4410095657521

Option 2 ID : 4410095657520

Option 3 ID : 4410095657518

Option 4 ID : 4410095657519

Chosen Option ID : 4410095657521

Q.7 A, B, C, D, X, Y and Z are sitting around a circular table facing the centre. B sits third to the right of X. Only one person sits between B and Y. D sits second to the left of C. C is neither an immediate neighbour of Y nor B. A is not an immediate neighbour of B. How many people sit between Z and A when counted from the left of A?

- Ans
- ☐ 1. More than two
 - ☐ 2. One
 - ☒ 3. Two
 - ☐ 4. None

Question ID : 4410091726066

Option 1 ID : 4410096807315

Option 2 ID : 4410096807312

Option 3 ID : 4410096807314

Option 4 ID : 4410096807313

Chosen Option ID : 4410096807315

Q.8 Refer to the following letter series and answer the question
(Left) H K N Q I G M V Y J C F D P R K O Z T X A S U T E (Right)

How many such consonants are there each of which is immediately preceded by a vowel and also immediately followed by a vowel?

- Ans
- ☐ 1. None
 - ☒ 2. Two
 - ☐ 3. One
 - ☐ 4. Three

Question ID : 441009222995

Option 1 ID : 441009873542

Option 2 ID : 441009873544

Option 3 ID : 441009873543

Option 4 ID : 441009873545

Chosen Option ID : 441009873544

Q.9 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 is the one that 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.)

Ans ✓ 1. IA-DG

✗ 2. ME-HL

✗ 3. OG-JN

✗ 4. KC-FJ

Question ID : 4410091280354

Option 1 ID : 4410095053295

Option 2 ID : 4410095053297

Option 3 ID : 4410095053298

Option 4 ID : 4410095053296

Chosen Option ID : 4410095053295

Q.10 What should come in place of the '?' in the given series based on the English alphabetical order?
GTY ANS UHM OBG ?

Ans ✗ 1. VEO

✗ 2. VAI

✓ 3. IVA

✗ 4. VEW

Question ID : 441009317414

Option 1 ID : 4410091236148

Option 2 ID : 4410091236146

Option 3 ID : 4410091236145

Option 4 ID : 4410091236147

Chosen Option ID : 4410091236145

Section : Computer Ability

Q.1 Which of the following options is used to insert a table into a slide in presentation software like Microsoft PowerPoint?

Ans ✗ 1. File → New Table

✗ 2. Insert → SmartArt

✓ 3. Insert → Table

✗ 4. Design → Table

Question ID : 441009930319

Option 1 ID : 4410093675145

Option 2 ID : 4410093675142

Option 3 ID : 4410093675143

Option 4 ID : 4410093675144

Chosen Option ID : 4410093675142

Q.2 If you accidentally overwrite text while typing in a document in MS-Word, which key can you use to switch between insert and overwrite modes?

- Ans
- ☐ 1. Tab key
 - ☒ 2. Insert key
 - ☐ 3. F2 key
 - ☐ 4. Delete key

Question ID : 4410092197574

Option 1 ID : 4410098647751

Option 2 ID : 4410098647750

Option 3 ID : 4410098647749

Option 4 ID : 4410098647748

Chosen Option ID : 4410098647750

Q.3 Which combination of keys finds data in a paragraph in MS Word 2021?

- Ans
- ☐ 1. Ctrl + Q
 - ☒ 2. Ctrl + F
 - ☐ 3. Ctrl + W
 - ☐ 4. Ctrl + S

Question ID : 4410091522628

Option 1 ID : 4410096013635

Option 2 ID : 4410096013633

Option 3 ID : 4410096013636

Option 4 ID : 4410096013634

Chosen Option ID : 4410096013633

Q.4 Which menu option do you use to insert a trendline into a chart in Excel?

- Ans
- ☐ 1. Page Layout > Add Trendline
 - ☐ 2. Home > Format
 - ☒ 3. Chart Design > Add Chart Element > Trendline
 - ☐ 4. Insert > Trendline

Question ID : 441009929575

Option 1 ID : 4410093672255

Option 2 ID : 4410093672254

Option 3 ID : 4410093672253

Option 4 ID : 4410093672256

Chosen Option ID : 4410093672253

Q.5 The correct command used to rename a file using command prompt on Windows OS is _____.

- Ans
- ☐ 1. rename new_file old_file
 - ☐ 2. ren new_file old_file
 - ☒ 3. ren old_file new_file
 - ☐ 4. rename old_file with new_file

Question ID : 44100984978

Option 1 ID : 441009337659

Option 2 ID : 441009337661

Option 3 ID : 441009337660

Option 4 ID : 441009337658

Chosen Option ID : 441009337658

Q.6 निम्न में से क्या कंप्यूटर की विशेषता नहीं है?

- Ans
- ☐ 1. परिशुद्धता (Accuracy)
 - ☐ 2. अध्यवसाय (Diligence)
 - ☐ 3. बहुआयामिता (Versatility)
 - ☒ 4. मनोभाव (Emotions)

Question ID : 4410091527159

Option 1 ID : 4410096031713

Option 2 ID : 4410096031714

Option 3 ID : 4410096031716

Option 4 ID : 4410096031715

Chosen Option ID : 4410096031715

Q.7 A company installs a new system where all self-checkout kiosks in a supermarket share real-time pricing updates and inventory changes instantly, but only within the building. Which networking approach is most likely being used to enable this communication?

- Ans
- ☐ 1. Individual mobile data connections for each kiosk
 - ☐ 2. A public Wi-Fi hotspot for all devices in the building
 - ☒ 3. A dedicated Local Area Network connecting the kiosks
 - ☐ 4. A company-wide wide area network linking multiple stores

Question ID : 4410092180072

Option 1 ID : 4410098578985

Option 2 ID : 4410098578983

Option 3 ID : 4410098578986

Option 4 ID : 4410098578984

Chosen Option ID : 4410098578986

Q.8 कल्पना कीजिए कि दोस्तों का एक समूह फोटो का आदान-प्रदान करने के लिए एक शेयर्ड ऑनलाइन फोल्डर का उपयोग करता है। निम्नलिखित में से कौन-सी क्रिया, अनधिकृत एक्सेस के खिलाफ उनके शेयर्ड फोल्डर की सुरक्षा को सर्वाधिक बेहतर बनाती है?

- Ans
- ☒ 1. प्रत्येक दोस्त के लिए व्यक्तिगत रूप से विशिष्ट परमिशन सेट करना
 - ☐ 2. सभी के लिए एकल पासवर्ड का उपयोग करना
 - ☐ 3. केवल क्लाउड प्रोवाइडर की डिफ़ॉल्ट सेटिंग पर निर्भर रहना
 - ☐ 4. बिना किसी प्रतिबंध के लिंक शेयरिंग की सुविधा देना

Question ID : 4410092179958

Option 1 ID : 4410098578528

Option 2 ID : 4410098578529

Option 3 ID : 4410098578527

Option 4 ID : 4410098578530

Chosen Option ID : 4410098578528

Q.9 What happens when you click the Word icon in the Taskbar?

- Ans
- ☐ 1. It minimises Microsoft Word.
 - ☐ 2. It opens the last used document.
 - ☒ 3. It opens Microsoft Word with a blank document.
 - ☐ 4. It opens the Start Menu.

Question ID : 441009919135

Option 1 ID : 4410093630517

Option 2 ID : 4410093630515

Option 3 ID : 4410093630516

Option 4 ID : 4410093630518

Chosen Option ID : 4410093630516

Q.10 In business organizations, computers are most frequently used for which combined tasks?

- Ans
- ☐ 1. Weather forecasting and climate modeling
 - ☐ 2. Traffic light control and vehicle monitoring
 - ☐ 3. Online gaming and social networking
 - ☒ 4. Managing employee payroll and inventory records

Question ID : 4410092197672

Option 1 ID : 4410098648071

Option 2 ID : 4410098648070

Option 3 ID : 4410098648069

Option 4 ID : 4410098648068

Chosen Option ID : 4410098648068

Section : Electronic Mechanic

Q.1 What is the primary function of the cladding in a fiber optic cable?

- Ans
- ☐ 1. To supply electrical power
 - ☐ 2. To increase cable weight
 - ☐ 3. To provide color coding
 - ☒ 4. To reflect light back into the core

Question ID : 4410092174601
Option 1 ID : 4410098557503
Option 2 ID : 4410098557500
Option 3 ID : 4410098557501
Option 4 ID : 4410098557502
Chosen Option ID : 4410098557502

Q.2 Which fundamental component is present in a Digital Storage Oscilloscope (DSO) but completely absent in a standard analog CRO?

- Ans
- ☐ 1. Time base generator
 - ☐ 2. Electron gun
 - ☒ 3. Analog-to-Digital Converter
 - ☐ 4. Vertical deflection plates

Question ID : 4410092196688
Option 1 ID : 4410098644398
Option 2 ID : 4410098644397
Option 3 ID : 4410098644396
Option 4 ID : 4410098644395
Chosen Option ID : 4410098644396

Q.3 Which fast acting contactor is preferred in environments where silent operation is necessary?

- Ans
- ☐ 1. Thermal contactor
 - ☐ 2. Magnetic contactor
 - ☐ 3. Manual contactor
 - ☒ 4. Mercury contactor

Question ID : 4410092174563
Option 1 ID : 4410098557423
Option 2 ID : 4410098557422
Option 3 ID : 4410098557420
Option 4 ID : 4410098557421
Chosen Option ID : 4410098557423

Q.4 If an antenna is not properly aligned with the receiving antenna, which property is most affected?

- Ans
- ☒ 1. Antenna impedance
 - ☒ 2. Signal strength
 - ☒ 3. Signal frequency
 - ☒ 4. Antenna bandwidth

Question ID : 4410092174603

Option 1 ID : 4410098557508

Option 2 ID : 4410098557511

Option 3 ID : 4410098557509

Option 4 ID : 4410098557510

Chosen Option ID : 4410098557508

Q.5 Why is the carbon rod placed in the center of a dry battery?

- Ans
- ☒ 1. It blocks unwanted reactions
 - ☒ 2. It prevents leakage of chemicals
 - ☒ 3. It functions as the positive electrode
 - ☒ 4. It works as a chemical stabilizer

Question ID : 4410092174575

Option 1 ID : 4410098557470

Option 2 ID : 4410098557471

Option 3 ID : 4410098557468

Option 4 ID : 4410098557469

Chosen Option ID : 4410098557468

Q.6 Which statement is TRUE about soldering and brazing based on the melting temperature of the filler metal?

- Ans
- ☒ 1. In both soldering and brazing, the filler metal melts above 450°C.
 - ☒ 2. In soldering, the filler metal melts above 450°C, while in brazing it melts below 450°C.
 - ☒ 3. In soldering, the filler metal melts below 450°C, while in brazing it melts above 450°C.
 - ☒ 4. In both soldering and brazing, the filler metal melts below 450°C.

Question ID : 4410092174698

Option 1 ID : 4410098557851

Option 2 ID : 4410098557849

Option 3 ID : 4410098557848

Option 4 ID : 4410098557850

Chosen Option ID : 4410098557848

Q.7 Three resistors are connected in series to a DC supply. Which statement is correct regarding the distribution of current and voltage?

- Ans
- ☐ 1. Voltage is the same across all resistors, while current depends on the resistance value.
 - ☐ 2. Both current and voltage remains same across all the resistors.
 - ☒ 3. Current is the same through all resistors, while the voltage is divided across the resistors.
 - ☐ 4. Current divides among the resistors and voltage remains the same across each resistor.

Question ID : 4410092174687

Option 1 ID : 4410098557807

Option 2 ID : 4410098557806

Option 3 ID : 4410098557804

Option 4 ID : 4410098557805

Chosen Option ID : 4410098557804

Q.8 Which part of a combination set is used to check the squareness of a workpiece?

- Ans
- ☒ 1. Square head
 - ☐ 2. Divider
 - ☐ 3. Centre punch
 - ☐ 4. Steel rule

Question ID : 4410092174706

Option 1 ID : 4410098557880

Option 2 ID : 4410098557883

Option 3 ID : 4410098557881

Option 4 ID : 4410098557882

Chosen Option ID : 4410098557880

Q.9 During testing of a microcontroller trainer kit, a technician observes that a display register stores the hexadecimal value 1C. To verify the reading, the technician converts it to decimal. What decimal value should be obtained?

- Ans
- ☐ 1. 30
 - ☐ 2. 26
 - ☒ 3. 28
 - ☐ 4. 32

Question ID : 4410092174396

Option 1 ID : 4410098556954

Option 2 ID : 4410098556952

Option 3 ID : 4410098556953

Option 4 ID : 4410098556955

Chosen Option ID : 4410098556953

Q.10 Which situation requires a circuit breaker to operate "automatically" in an electrical system?

- Ans**
- ☐ 1. Only for routine maintenance
 - ☒ 2. When some fault current is detected
 - ☐ 3. During normal load operation
 - ☐ 4. Only when the system is turned off

Question ID : 4410092174561
Option 1 ID : 4410098557415
Option 2 ID : 4410098557413
Option 3 ID : 4410098557412
Option 4 ID : 4410098557414
Chosen Option ID : 4410098557413

Q.11 What is a practical benefit of applying the 5S concept in an electronics workplace?

- Ans**
- ☐ 1. Adding more supervisors to oversee workers
 - ☐ 2. Raising the amount of equipment downtime
 - ☒ 3. Reducing the time spent searching for necessary tools
 - ☐ 4. Increasing the energy consumption during work

Question ID : 4410092174544
Option 1 ID : 4410098557344
Option 2 ID : 4410098557345
Option 3 ID : 4410098557346
Option 4 ID : 4410098557347
Chosen Option ID : 4410098557346

Q.12 Before measuring the resistance of a component using an analog multimeter, why is it necessary to perform a "zero adjustment"?

- Ans**
- ☒ 1. To compensate for the resistance of the test leads and changes in the internal battery voltage
 - ☐ 2. To calibrate the multimeter for measuring high voltages safely
 - ☐ 3. To ensure the internal battery voltage is fully depleted
 - ☐ 4. To discharge any internal capacitance of the multimeter

Question ID : 4410092196522
Option 1 ID : 4410098643885
Option 2 ID : 4410098643886
Option 3 ID : 4410098643884
Option 4 ID : 4410098643883
Chosen Option ID : 4410098643885

Q.13 A technician wants to design a circuit for adjusting the brightness of a lamp using phase angle control. Which device combination involving a DIAC would be most effective?

- Ans
- ☒ 1. Using a DIAC with a resistor in a series circuit
 - ☐ 2. Using a DIAC to trigger a TRIAC for lamp dimming
 - ☐ 3. Using a DIAC to protect a lamp fuse from surges
 - ☐ 4. Using a DIAC in parallel with a capacitor

Question ID : 4410092174557

Option 1 ID : 4410098557396

Option 2 ID : 4410098557399

Option 3 ID : 4410098557398

Option 4 ID : 4410098557397

Chosen Option ID : 4410098557399

Q.14 Which port of the standard 8051 microcontroller functions as both a general-purpose I/O port and provides alternate functions such as serial communication and external interrupt signals?

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

Question ID : 4410092174533

Option 1 ID : 4410098557326

Option 2 ID : 4410098557325

Option 3 ID : 4410098557324

Option 4 ID : 4410098557327

Chosen Option ID : 4410098557326

Q.15 A wire has a resistance of 10 Ω . It is replaced by another wire of the same material and length, but with twice the cross-sectional area, at the same temperature. What is the resistance of the new wire?

- Ans
- ☒ 1. 5 Ω
 - ☐ 2. 2.5 Ω
 - ☐ 3. 20 Ω
 - ☐ 4. 10 Ω

Question ID : 4410092174428

Option 1 ID : 4410098557056

Option 2 ID : 4410098557059

Option 3 ID : 4410098557057

Option 4 ID : 4410098557058

Chosen Option ID : 4410098557056

Q.16 How many diodes are required for a full wave rectifier using a center tapped transformer?

- Ans ☒ 1. Two diodes
☐ 2. One diode
☐ 3. Four diodes
☐ 4. Three diodes

Question ID : 4410092174443
Option 1 ID : 4410098557118
Option 2 ID : 4410098557117
Option 3 ID : 4410098557119
Option 4 ID : 4410098557116
Chosen Option ID : 4410098557119

Q.17 In an IoT system, what is the role of sensors?

- Ans ☐ 1. To route data packets between networks
☒ 2. To collect data from the environment
☐ 3. To store data locally
☐ 4. To display processed information

Question ID : 4410092174423
Option 1 ID : 4410098557039
Option 2 ID : 4410098557036
Option 3 ID : 4410098557037
Option 4 ID : 4410098557038
Chosen Option ID : 4410098557039

Q.18 Which region does a BJT operate in when used as a switch in the ON state?

- Ans ☐ 1. Active region
☐ 2. Cut-off region
☒ 3. Saturation region
☐ 4. Breakdown region

Question ID : 4410092174409
Option 1 ID : 4410098556982
Option 2 ID : 4410098556983
Option 3 ID : 4410098556980
Option 4 ID : 4410098556981
Chosen Option ID : 4410098556982

Q.19 During the open circuit test of a single-phase transformer, which loss is obtained directly from the wattmeter reading?

- Ans
- ☒ 1. Copper loss
 - ☒ 2. Dielectric loss
 - ☒ 3. Core loss
 - ☒ 4. Stray loss

Question ID : 4410092174721

Option 1 ID : 4410098557940

Option 2 ID : 4410098557943

Option 3 ID : 4410098557941

Option 4 ID : 4410098557942

Chosen Option ID : 4410098557943

Q.20 Which statement defines mutual induction?

- Ans
- ☒ 1. A capacitor produces a magnetic field without current.
 - ☒ 2. A changing current in one coil induces an emf in another magnetically linked coil.
 - ☒ 3. A constant direct current in one coil induces emf in the other coil.
 - ☒ 4. A coil storing the magnetic energy through self current

Question ID : 4410092174682

Option 1 ID : 4410098557787

Option 2 ID : 4410098557785

Option 3 ID : 4410098557784

Option 4 ID : 4410098557786

Chosen Option ID : 4410098557785

Q.21 Why is flux applied immediately after cleaning the surface to be soldered?

- Ans
- ☒ 1. To reduce the electrical resistance of the conductor
 - ☒ 2. To prevent oxidation of the cleaned surface
 - ☒ 3. To increase the hardness of the joint
 - ☒ 4. To increase the melting point of solder

Question ID : 4410092174701

Option 1 ID : 4410098557863

Option 2 ID : 4410098557862

Option 3 ID : 4410098557861

Option 4 ID : 4410098557860

Chosen Option ID : 4410098557862

Q.22 What does Kirchhoff's Voltage Law (KVL) state about a closed circuit loop?

- Ans
- ☒ 1. The algebraic sum of currents at a junction is zero.
 - ☒ 2. The algebraic sum of voltages around a closed loop is zero.
 - ☒ 3. The sum of power in a loop is always positive.
 - ☒ 4. The total resistance equals the sum of all resistors.

Question ID : 4410092174431
Option 1 ID : 4410098557070
Option 2 ID : 4410098557071
Option 3 ID : 4410098557069
Option 4 ID : 4410098557068
Chosen Option ID : 4410098557071

Q.23 A welder wants to create a 100 mm line on a sheet as per the design using free hand drawing. What should be the first step to accurately transfer this measurement from the rule?

- Ans
- ☒ 1. Draw the line freehand without any marks and check length later
 - ☒ 2. Align the rule with the sheet edge and draw the line
 - ☒ 3. Use only one reference point and draw up to the edge
 - ☒ 4. Mark the start and end points using the rule, then join them by hand

Question ID : 4410092177977
Option 1 ID : 4410098557073
Option 2 ID : 4410098557072
Option 3 ID : 4410098557071
Option 4 ID : 4410098557070
Chosen Option ID : 4410098557072

Q.24 A technician tests a 3-input OR gate on a trainer kit. Inputs A and B are LOW. When input C changes from LOW to HIGH, what will happen to the output?

- Ans
- ☒ 1. The output changes only if all inputs are HIGH
 - ☒ 2. The output becomes HIGH
 - ☒ 3. The output stays the same as the previous state
 - ☒ 4. The output remains LOW

Question ID : 4410092174397
Option 1 ID : 4410098556959
Option 2 ID : 4410098556957
Option 3 ID : 4410098556956
Option 4 ID : 4410098556958
Chosen Option ID : 4410098556956

Q.25 What is the use of biasing a transistor in an amplifier circuit?

- Ans
- ☐ 1. To enhance the frequency response of the amplifier
 - ☐ 2. To increase the supply voltage of the circuit
 - ☐ 3. To reduce heat dissipation in the transistor
 - ☒ 4. To set the operating point of the transistor

Question ID : 4410092174440

Option 1 ID : 4410098557106

Option 2 ID : 4410098557107

Option 3 ID : 4410098557105

Option 4 ID : 4410098557104

Chosen Option ID : 4410098557106

Q.26 A machinist is marking dimensions on a mild steel plate using single stroke lettering. If the recommended letter height for title block is 10 mm and the machinist uses a scale with millimetre markings, what is the correct way to ensure uniform letter height for all characters in the title block?

- Ans
- ☐ 1. Use a divider to measure each letter individually during writing
 - ☐ 2. Write letters first and then check with a scale to adjust height
 - ☒ 3. Mark all letter top and bottom lines at 10 mm apart using the scale before starting lettering
 - ☐ 4. Estimate the letter height by eye while writing each character

Question ID : 4410092177986

Option 1 ID : 4410098570758

Option 2 ID : 4410098570756

Option 3 ID : 4410098570759

Option 4 ID : 4410098570757

Chosen Option ID : 4410098570759

Q.27 What is the main purpose of multiplexing in communication systems?

- Ans
- ☐ 1. To reduce the size of the transmitter
 - ☐ 2. To convert analog signals to digital signals
 - ☐ 3. To increase the power of the signal
 - ☒ 4. To transmit multiple signals over a single channel

Question ID : 4410092174602

Option 1 ID : 4410098557505

Option 2 ID : 4410098557506

Option 3 ID : 4410098557504

Option 4 ID : 4410098557507

Chosen Option ID : 4410098557507

Q.28 A welder receives instructions to draw a fabrication layout on a sheet measuring 594 mm x 841 mm. Which standard sheet size should they select ?

- Ans
- ☐ 1. A0
 - ☐ 2. A3
 - ☐ 3. A2
 - ☒ 4. A1

Question ID : 4410092177973
Option 1 ID : 4410098570707
Option 2 ID : 4410098570705
Option 3 ID : 4410098570704
Option 4 ID : 4410098570706
Chosen Option ID : 4410098570704

Q.29 Which material is used as the positive electrode in a dry cell battery?

- Ans
- ☐ 1. Zinc
 - ☐ 2. Lead
 - ☐ 3. Copper
 - ☒ 4. Manganese dioxide

Question ID : 4410092174569
Option 1 ID : 4410098557446
Option 2 ID : 4410098557445
Option 3 ID : 4410098557444
Option 4 ID : 4410098557447
Chosen Option ID : 4410098557447

Q.30 What does Kirchhoff's Voltage Law state about the total voltage in a closed loop?

- Ans
- ☐ 1. The algebraic sum of all voltages is always positive
 - ☐ 2. The algebraic sum of all voltages equals the total current
 - ☒ 3. The algebraic sum of all voltages in a closed loop is zero
 - ☐ 4. The algebraic sum of all voltages equals the total resistance

Question ID : 4410092174442
Option 1 ID : 4410098557115
Option 2 ID : 4410098557112
Option 3 ID : 4410098557114
Option 4 ID : 4410098557113
Chosen Option ID : 4410098557113

Q.31 If an op-amp with an open-loop gain of 100,000 is connected in a closed-loop configuration with negative feedback, what happens to its closed-loop gain compared with its open-loop gain?

- Ans
- ☐ 1. Overall gain will become infinite
 - ☐ 2. Overall gain will remain the same
 - ☐ 3. Overall gain will increase
 - ☒ 4. Overall gain will decrease

Question ID : 4410092174411

Option 1 ID : 4410098556989

Option 2 ID : 4410098556990

Option 3 ID : 4410098556991

Option 4 ID : 4410098556988

Chosen Option ID : 4410098556990

Q.32 Which type of electrical measuring instrument displays the instantaneous value of the measured quantity without storing or recording it?

- Ans
- ☐ 1. Null-deflection instrument
 - ☐ 2. Recording instrument
 - ☒ 3. Indicating instrument
 - ☐ 4. Integrating instrument

Question ID : 4410092196707

Option 1 ID : 4410098644430

Option 2 ID : 4410098644427

Option 3 ID : 4410098644428

Option 4 ID : 4410098644429

Chosen Option ID : 4410098644430

Q.33 When the frequency of an AC supply increases, what happens to the inductive reactance of an inductor?

- Ans
- ☐ 1. It decreases
 - ☐ 2. It becomes zero
 - ☐ 3. It remains constant
 - ☒ 4. It increases

Question ID : 4410092174692

Option 1 ID : 4410098557824

Option 2 ID : 4410098557826

Option 3 ID : 4410098557827

Option 4 ID : 4410098557825

Chosen Option ID : 4410098557827

Q.34 Which combination of preventive actions should be prioritized when setting up a new electronic workstation to minimize electrical accident risks?

- Ans
- ☒ 1. Install residual current devices, use proper earthing, and maintain dry floors
 - ☐ 2. Wear anti-static wrist straps at all times while working
 - ☐ 3. Use plastic chairs and keep the workstation near windows
 - ☐ 4. Rely solely on detailed circuit diagrams for safe setup

Question ID : 4410092174551
Option 1 ID : 4410098557372
Option 2 ID : 4410098557375
Option 3 ID : 4410098557374
Option 4 ID : 4410098557373
Chosen Option ID : 4410098557372

Q.35 While charging a lead-acid battery, the technician observes excessive gassing and heat. What should be the immediate corrective action?

- Ans
- ☒ 1. Reduce the charging current to a safe recommended value
 - ☐ 2. Increase the voltage to compensate for capacity loss
 - ☐ 3. Disconnect the battery without adjusting the process
 - ☐ 4. Continue charging at the same current until fully charged

Question ID : 4410092174566
Option 1 ID : 4410098557434
Option 2 ID : 4410098557433
Option 3 ID : 4410098557432
Option 4 ID : 4410098557435
Chosen Option ID : 4410098557432

Q.36 A fitter needs to freehand sketch a shaft of 50 mm diameter and 200 mm length for a turning operation. Which option represents the correct way to dimension the sketch according to NIMI standards ?

- Ans
- ☐ 1. Use a single arrow and no values
 - ☒ 2. Indicate both the diameter and length clearly with leader lines and extension lines
 - ☐ 3. Indicate only the length with an extension line
 - ☐ 4. Indicate only the diameter with a leader line

Question ID : 4410092177976
Option 1 ID : 4410098570717
Option 2 ID : 4410098570716
Option 3 ID : 4410098570718
Option 4 ID : 4410098570719
Chosen Option ID : 4410098570716

Q.37 एक मशीनिस्ट 8 cm त्रिज्या वाली एक वृत्ताकार इस्पात प्लेट के केंद्र में एक बिंदु अंकित करता है। केंद्र से परिधि पर स्थित किसी भी बिंदु की दूरी कितनी है?

- Ans
- ☐ 1. 24 cm
 - ☐ 2. 4 cm
 - ☒ 3. 8 cm
 - ☐ 4. 16 cm

Question ID : 4410092177985

Option 1 ID : 4410098570752

Option 2 ID : 4410098570753

Option 3 ID : 4410098570754

Option 4 ID : 4410098570755

Chosen Option ID : 4410098570754

Q.38 What is the status of the Zero Flag after an arithmetic operation in the 8085, if the result is non-zero?

- Ans
- ☐ 1. The zero flag is set
 - ☐ 2. The carry flag is set
 - ☒ 3. The zero flag is reset
 - ☐ 4. The auxiliary carry flag is set

Question ID : 4410092174525

Option 1 ID : 4410098557295

Option 2 ID : 4410098557293

Option 3 ID : 4410098557294

Option 4 ID : 4410098557292

Chosen Option ID : 4410098557292

Q.39 When testing an electrolytic capacitor with an analog multimeter set to resistance, what is the expected behavior of the pointer if the capacitor is 100% healthy?

- Ans
- ☐ 1. The pointer does not move from infinity
 - ☒ 2. The pointer moves quickly toward zero then drifts back toward infinity
 - ☐ 3. The pointer moves slowly and stops at mid-scale
 - ☐ 4. The pointer stays at zero resistance and does not move

Question ID : 4410092174693

Option 1 ID : 4410098557829

Option 2 ID : 4410098557828

Option 3 ID : 4410098557831

Option 4 ID : 4410098557830

Chosen Option ID : 4410098557828

Q.40 Which carrier-wave characteristic is varied in Phase Modulation (PM)?

- Ans
- ☒ 1. The phase of the carrier
 - ☐ 2. The frequency of the carrier
 - ☐ 3. The bandwidth of the carrier
 - ☐ 4. The amplitude of the carrier

Question ID : 4410092174611

Option 1 ID : 4410098557543

Option 2 ID : 4410098557542

Option 3 ID : 4410098557541

Option 4 ID : 4410098557540

Chosen Option ID : 4410098557543

Q.41 Two inductors of 2 H and 3 H are connected in series without mutual coupling. What is their equivalent inductance?

- Ans
- ☐ 1. 6 H
 - ☒ 2. 5 H
 - ☐ 3. 1.5 H
 - ☐ 4. 1 H

Question ID : 4410092174680

Option 1 ID : 4410098557779

Option 2 ID : 4410098557777

Option 3 ID : 4410098557778

Option 4 ID : 4410098557776

Chosen Option ID : 4410098557777

Q.42 What does a high insulation resistance value indicate in a transformer winding?

- Ans
- ☐ 1. Open circuit in the winding
 - ☐ 2. Low turns ratio
 - ☒ 3. Good insulation between conductors
 - ☐ 4. Short circuit in the winding

Question ID : 4410092174720

Option 1 ID : 4410098557938

Option 2 ID : 4410098557939

Option 3 ID : 4410098557937

Option 4 ID : 4410098557936

Chosen Option ID : 4410098557937

Q.43 What is the function of a phototransistor?

- Ans
- ☐ 1. To amplify sound signals
 - ☒ 2. To convert light signals into electrical current
 - ☐ 3. To regulate voltage in a circuit
 - ☐ 4. To emit light when powered

Question ID : 4410092174418

Option 1 ID : 4410098557019

Option 2 ID : 4410098557017

Option 3 ID : 4410098557018

Option 4 ID : 4410098557016

Chosen Option ID : 4410098557017

Q.44 Which tool is used to transfer a dimension from a workpiece to a measuring scale?

- Ans
- ☐ 1. Try square
 - ☐ 2. Cold chisel
 - ☐ 3. Centre punch
 - ☒ 4. Calipers

Question ID : 4410092174705

Option 1 ID : 4410098557876

Option 2 ID : 4410098557879

Option 3 ID : 4410098557877

Option 4 ID : 4410098557878

Chosen Option ID : 4410098557876

Q.45 कौन-सा अनुदेश रजिस्टर D की अंतर्वस्तु और हस्तगत ध्वज (carry flag) को संचायक में जोड़ता है?

- Ans
- ☐ 1. ADD D
 - ☒ 2. ADC D
 - ☐ 3. DAD D
 - ☐ 4. ACI D

Question ID : 4410092174526

Option 1 ID : 4410098557296

Option 2 ID : 4410098557297

Option 3 ID : 4410098557299

Option 4 ID : 4410098557298

Chosen Option ID : 4410098557298

Q.46 If a student cuts their hand while working, what should be done after washing the wound with clean water?

- Ans
- ☒ 1. Apply heat to the wound using a dryer
 - ☒ 2. Cover the wound with a sterile bandage
 - ☒ 3. Use bare hands to press the wound
 - ☒ 4. Pour alcohol directly on the wound

Question ID : 4410092174545

Option 1 ID : 4410098557350

Option 2 ID : 4410098557348

Option 3 ID : 4410098557349

Option 4 ID : 4410098557351

Chosen Option ID : 4410098557348

Q.47 Why is a Digital Storage Oscilloscope (DSO) preferred over a conventional analog CRO for analyzing non-repetitive or transient signals?

- Ans
- ☒ 1. It can capture and store a waveform for later analysis.
 - ☒ 2. It displays waveforms with higher screen brightness.
 - ☒ 3. It measures only alternating signals.
 - ☒ 4. It requires no triggering circuit.

Question ID : 4410092196664

Option 1 ID : 4410098644344

Option 2 ID : 4410098644343

Option 3 ID : 4410098644346

Option 4 ID : 4410098644345

Chosen Option ID : 4410098644344

Q.48 A hole location has to be marked before drilling so that the drill does not slip from the marked point. Which punch is used for this purpose?

- Ans
- ☒ 1. Center punch
 - ☒ 2. Hollow punch
 - ☒ 3. Drift punch
 - ☒ 4. Pin punch

Question ID : 4410092174709

Option 1 ID : 4410098557892

Option 2 ID : 4410098557894

Option 3 ID : 4410098557893

Option 4 ID : 4410098557895

Chosen Option ID : 4410098557895

Q.49 भूमिगत केबलों के लिए विद्युतरोधी प्लेट का चयन करते समय किस कारक को ध्यान में रखा जाना चाहिए?

Ans

☒ 1.

बाहरी व्यास

☒ 2. केबल का रंग

☒ 3. क्रोड आकृति

☒ 4. आद्रता प्रतिरोध

Question ID : 4410092174596

Option 1 ID : 4410098557480

Option 2 ID : 4410098557481

Option 3 ID : 4410098557483

Option 4 ID : 4410098557482

Chosen Option ID : 4410098557482

Q.50 An industrial control panel uses a 1 to 4 demultiplexer to route a safety signal to one of four machinery units. If the control input selects line 2, which unit will receive the signal when the enable is active?

Ans

☒ 1. All units will receive the signal

☒ 2. The unit connected to the second output line will receive the signal

☒ 3. No unit will receive the signal

☒ 4. The unit connected to the first output line will receive the signal

Question ID : 4410092174398

Option 1 ID : 4410098556960

Option 2 ID : 4410098556962

Option 3 ID : 4410098556963

Option 4 ID : 4410098556961

Chosen Option ID : 4410098556962