



रेलवे भर्ती बोर्ड / RAILWAY RECRUITMENT BOARD

सी ई एन नं. - 03/2025 - CEN No. - 03/2025



Registration Number	
Roll Number	
Candidate Name	
Community	
Test Centre Name	
Test Date	11/03/2026
Test Time	12:45 PM - 2:15 PM
Post Name	ECG TECHNICIAN
Application Photograph	
Exam Day Photograph	

* Note
Correct Answer will carry 1 mark per Question.
Incorrect Answer will carry 1/3 Negative mark per Question.
No marks will be deducted for questions left unanswered

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

Section : General Ability

Q.1 If a bulb is designed to work at 12 volts and 0.5 amperes, what should be the resistance of the filament according to Ohm's Law?

- Ans ☒ 1. 24 ohms
- ☐ 2. 6 ohms
- ☐ 3. 0.041 ohms
- ☐ 4. 6.5 ohms

Question Type : MCQ
Question ID : 4410091640634
Option 1 ID : 4410096479731
Option 2 ID : 4410096479732
Option 3 ID : 4410096479733
Option 4 ID : 4410096479734
Status : Answered
Chosen Option : 1

Q.2 Who among the following led the Santhal Revolt against British rule and zamindari oppression?

- Ans ☐ 1. Birsa Munda
- ☒ 2. Murmu Brothers
- ☐ 3. Tantia Bhil
- ☐ 4. Chapekar Brothers

Question Type : MCQ
Question ID : 4410091574063
Option 1 ID : 4410096251508
Option 2 ID : 4410096251509
Option 3 ID : 4410096251511
Option 4 ID : 4410096251510
Status : Answered
Chosen Option : 2

Q.3 In a quadrilateral ABCD such that AB = 0.3 m, BC = 0.4 m and $\angle ABC = 90^\circ$, if AD = DC = 0.4 m and other angles are not right angles, then the area (in cm^2 , rounded off to the nearest integer) of quadrilateral ABCD is:

- Ans ☒ 1. 1381
- ☐ 2. 1380
- ☐ 3. 1318
- ☐ 4. 1323

Question Type : MCQ
Question ID : 4410091540014
Option 1 ID : 4410096083413
Option 2 ID : 4410096083412
Option 3 ID : 4410096083411
Option 4 ID : 4410096083414
Status : Answered
Chosen Option : 2

Q.4 Which of the following best describes the relationship between autotrophs and heterotrophs?

- Ans
- ☒ 1. Autotrophs depend on heterotrophs for enzymes
 - ☒ 2. Heterotrophs depend directly or indirectly on autotrophs for survival
 - ☒ 3. Both autotrophs and heterotrophs produce their own food
 - ☒ 4. Heterotrophs directly produce energy for autotrophs

Question Type : MCQ
Question ID : 4410091560783
Option 1 ID : 4410096165324
Option 2 ID : 4410096165323
Option 3 ID : 4410096165325
Option 4 ID : 4410096165322
Status : Answered
Chosen Option : 2

Q.5 A car of mass 1000 kg moves with a velocity of 20 m/s. The kinetic energy of the car is _____.

- Ans
- ☒ 1. 2×10^7 J
 - ☒ 2. 2×10^5 J
 - ☒ 3. 2×10^6 J
 - ☒ 4. 2×10^4 J

Question Type : MCQ
Question ID : 4410091256256
Option 1 ID : 4410094957922
Option 2 ID : 4410094957923
Option 3 ID : 4410094957924
Option 4 ID : 4410094957921
Status : Answered
Chosen Option : 2

Q.6 According to Rutherford's model, where is most of the mass of an atom concentrated?

- Ans
- ☒ 1. Electron cloud
 - ☒ 2. Proton shell
 - ☒ 3. Orbitals
 - ☒ 4. Nucleus

Question Type : MCQ
Question ID : 4410091560352
Option 1 ID : 4410096163538
Option 2 ID : 4410096163540
Option 3 ID : 4410096163541
Option 4 ID : 4410096163539
Status : Answered
Chosen Option : 4

Q.7 In a certain code language,
A + B means 'A is the sister of B',
A – B means 'A is the brother of B',
A x B means 'A is the wife of B',
A ÷ B means 'A is the father of B'.

Based on the above, how is T related to K if 'T ÷ G + D – M x K'?

- Ans
- ☐ 1. Brother
 - ☐ 2. Wife's brother
 - ☐ 3. Father
 - ☒ 4. Wife's father

Question Type : MCQ
Question ID : 4410091189784
Option 1 ID : 4410094693288
Option 2 ID : 4410094693286
Option 3 ID : 4410094693287
Option 4 ID : 4410094693285
Status : Answered
Chosen Option : 4

Q.8 The average of the marks of 20 students is 72. Later, it was found that the marks of two students were wrongly entered as 48 and 56 instead of 84 and 65. Find the correct average.

- Ans
- ☐ 1. 77.25
 - ☐ 2. 71.25
 - ☒ 3. 74.25
 - ☐ 4. 79.25

Question Type : MCQ
Question ID : 4410091568475
Option 1 ID : 4410096195188
Option 2 ID : 4410096195186
Option 3 ID : 4410096195187
Option 4 ID : 4410096195189
Status : Answered
Chosen Option : 3

Q.9 Which body had the final authority to approve India's Five-Year Plans?

- Ans
- ☐ 1. Economic Advisory Council
 - ☒ 2. National Development Council
 - ☐ 3. Cabinet Committee on Economic Affairs
 - ☐ 4. Finance Commission

Question Type : MCQ
Question ID : 4410091573249
Option 1 ID : 4410096213803
Option 2 ID : 4410096213805
Option 3 ID : 4410096213806
Option 4 ID : 4410096213804
Status : Answered
Chosen Option : 2

Q.10 Which of the following best describes the path of a light ray as it enters and then exits a glass slab from air?

- Ans ☒ 1. Does not bend at all but shifts sideways
- ☒ 2. Bends towards the normal, then away from the normal
- ☒ 3. Bends towards the normal at both surfaces
- ☒ 4. Bends away from the normal, then towards the normal

Question Type : MCQ
Question ID : 4410091559555
Option 1 ID : 4410096160459
Option 2 ID : 4410096160458
Option 3 ID : 4410096160456
Option 4 ID : 4410096160457
Status : Answered
Chosen Option : 2

Q.11 Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. C is kept second from the top. Only three boxes are kept between D and C. G is kept immediately below F but above E. B is not kept above E. How many boxes are kept between G and A?

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

Question Type : MCQ
Question ID : 4410091173974
Option 1 ID : 4410094630068
Option 2 ID : 4410094630067
Option 3 ID : 4410094630066
Option 4 ID : 4410094630065
Status : Answered
Chosen Option : 1

Q.12 The position(s) of how many letters will remain unchanged if each letter in the word MATCHBOX is arranged in the English alphabetical order?

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

Question Type : MCQ
Question ID : 441009789253
Option 1 ID : 4410093111014
Option 2 ID : 4410093111013
Option 3 ID : 4410093111011
Option 4 ID : 4410093111012
Status : Answered
Chosen Option : 4

Q.13 Which state among the following sets a world record by installing over 45,000 solar agricultural pumps in a month, enhancing irrigation and farmer income?

- Ans ☒ 1. Maharashtra
- ☒ 2. Telangana
- ☒ 3. Punjab
- ☒ 4. Madhya Pradesh

Question Type : MCQ
Question ID : 4410091572082
Option 1 ID : 4410096209349
Option 2 ID : 4410096209347
Option 3 ID : 4410096209348
Option 4 ID : 4410096209350
Status : Answered
Chosen Option : 2

Q.14 A water purification plant uses a process to remove harmful ions. Which type of reaction would most likely be used for this purpose?

- Ans ☒ 1. Double displacement reaction
- ☒ 2. Decomposition reaction
- ☒ 3. Combustion reaction
- ☒ 4. Synthesis reaction

Question Type : MCQ
Question ID : 4410091564445
Option 1 ID : 4410096179358
Option 2 ID : 4410096179360
Option 3 ID : 4410096179357
Option 4 ID : 4410096179359
Status : Answered
Chosen Option : 1

Q.15 Match the heart chamber with the type of blood it handles: (A) Right atrium (B) Left ventricle (C) Left atrium (D) Right ventricle

- Ans ☒ 1. A-De-oxygenated, B-Oxygen-rich, C-Oxygen-rich, D-De-oxygenated
- ☒ 2. A-Oxygen-rich, B-De-oxygenated, C-De-oxygenated, D-Oxygen-rich
- ☒ 3. A-De-oxygenated, B-De-oxygenated, C-Oxygen-rich, D-Oxygen-rich
- ☒ 4. A-Oxygen-rich, B-Oxygen-rich, C-De-oxygenated, D-De-oxygenated

Question Type : MCQ
Question ID : 4410091695999
Option 1 ID : 4410096689946
Option 2 ID : 4410096689947
Option 3 ID : 4410096689949
Option 4 ID : 4410096689948
Status : Answered
Chosen Option : 1

Q.16 Which deposits occur in sands of valley floors and the base of hills?

- Ans ☒ 1. Alluvial Deposits
- ☐ 2. Non-ferrous Deposits
- ☐ 3. Manganese Deposits
- ☐ 4. Iron ore Deposits

Question Type : MCQ
Question ID : 44100924803
Option 1 ID : 44100998935
Option 2 ID : 44100998938
Option 3 ID : 44100998937
Option 4 ID : 44100998936
Status : Answered
Chosen Option : 4

Q.17 Which statement best distinguishes primitive subsistence farming from commercial farming in India?

- Ans ☐ 1. Commercial farming avoids the use of modern technology
- ☐ 2. Commercial farming relies mainly on monsoon rainfall
- ☐ 3. Primitive farming focuses on market-oriented surplus production
- ☒ 4. Primitive farming emphasises family consumption needs

Question Type : MCQ
Question ID : 4410091590862
Option 1 ID : 4410096283863
Option 2 ID : 4410096283861
Option 3 ID : 4410096283860
Option 4 ID : 4410096283862
Status : Answered
Chosen Option : 4

Q.18 If a mammal species evolved without the ability for the penis to become erect, what direct impact might this have on sexual reproduction?

- Ans ☐ 1. It would speed up the maturation of female organs
- ☐ 2. It would shorten the time the baby spends in the mother's body
- ☒ 3. It would prevent the transfer of sperms
- ☐ 4. It would make breastfeeding impossible

Question Type : MCQ
Question ID : 4410091696954
Option 1 ID : 4410096693612
Option 2 ID : 4410096693610
Option 3 ID : 4410096693609
Option 4 ID : 4410096693611
Status : Answered
Chosen Option : 3

Q.19 If the frequency of a sound wave is 10 Hz, its time period is:

- Ans
- ☐ 1. 1 s
 - ☐ 2. 0.01 s
 - ☒ 3. 0.1 s
 - ☐ 4. 10 s

Question Type : MCQ
Question ID : 4410091646551
Option 1 ID : 4410096502447
Option 2 ID : 4410096502445
Option 3 ID : 4410096502446
Option 4 ID : 4410096502448
Status : Answered
Chosen Option : 3

Q.20 Who headed the Committee of Ministers on the Augmentation of Financial Resources of Urban Local Bodies, formed in India in 1963?

- Ans
- ☒ 1. Rafiq Zakaria
 - ☐ 2. A.P. Jain
 - ☐ 3. P.K. Wattal
 - ☐ 4. John Matthai

Question Type : MCQ
Question ID : 441009189764
Option 1 ID : 441009748219
Option 2 ID : 441009748220
Option 3 ID : 441009748222
Option 4 ID : 441009748221
Status : Answered
Chosen Option : 3

Q.21

The simplified value of $\frac{\left(\frac{17}{21}\right)}{\left(\frac{17}{3}\right)} \div \left(\frac{2}{6} \times \frac{12}{6} + \frac{2}{7}\right) + \frac{3}{7} \div \frac{20}{12}$ of $\frac{12}{7}$ is

:

Ans

✓ 1. $\frac{3}{10}$

✗ 2. $\frac{4}{9}$

✗ 3. $\frac{2}{15}$

✗ 4. $\frac{10}{7}$

Question Type : MCQ

Question ID : 441009912337

Option 1 ID : 4410093603599

Option 2 ID : 4410093603601

Option 3 ID : 4410093603602

Option 4 ID : 4410093603600

Status : Answered

Chosen Option : 4

Q.22 What will come in the place of the question mark (?) in the following equation, if '+' and '-' are interchanged and 'x' and '÷' are interchanged?

$$20 + 12 \times 3 - 8 \div 4 = ?$$

Ans

✗ 1. 46

✗ 2. 45

✗ 3. 47

✓ 4. 48

Question Type : MCQ

Question ID : 4410091265102

Option 1 ID : 4410094993327

Option 2 ID : 4410094993326

Option 3 ID : 4410094993328

Option 4 ID : 4410094993329

Status : Answered

Chosen Option : 4

Q.23 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)⁸¹⁷⁰

- Ans
- ☒ 1. PJ:TN
 - ☒ 2. DH:HL
 - ☒ 3. CM:GQ
 - ☒ 4. AS:EZ

Question Type : MCQ
Question ID : 441009782037
Option 1 ID : 4410093082153
Option 2 ID : 4410093082151
Option 3 ID : 4410093082152
Option 4 ID : 4410093082154
Status : Answered
Chosen Option : 1

Q.24 Sachin deposited a sum of ₹38,975 at 20% rate of interest per annum, compounded annually. The total amount received by Sachin after 2 years is:

- Ans
- ☒ 1. ₹56,124
 - ☒ 2. ₹55,895
 - ☒ 3. ₹55,662
 - ☒ 4. ₹56,199

Question Type : MCQ
Question ID : 441009571881
Option 1 ID : 4410092242644
Option 2 ID : 4410092242647
Option 3 ID : 4410092242645
Option 4 ID : 4410092242646
Status : Answered
Chosen Option : 1

Q.25 The Department of Telecommunications (DoT) organised the 9th edition of India Mobile Congress (IMC 2025) in collaboration with which body?

- Ans
- ☒ 1. International Telecommunication Union (ITU)
 - ☒ 2. Cellular Operators Association of India (COAI)
 - ☒ 3. Confederation of Indian Industry (CII)
 - ☒ 4. NASSCOM

Question Type : MCQ
Question ID : 4410091569446
Option 1 ID : 4410096198779
Option 2 ID : 4410096198778
Option 3 ID : 4410096198777
Option 4 ID : 4410096198776
Status : Answered
Chosen Option : 4

Q.26 The provision related to the constitution of the Central Information Commission (CIC) in the RTI Act, 2005 is contained in which of the following sections?

- Ans
- ☐ 1. Section 4
 - ☐ 2. Section 15
 - ☒ 3. Section 12
 - ☐ 4. Section 5

Question Type : MCQ
Question ID : 4410091573773
Option 1 ID : 4410096215881
Option 2 ID : 4410096215884
Option 3 ID : 4410096215883
Option 4 ID : 4410096215882
Status : Answered
Chosen Option : 2

Q.27 In December 2025, Ethiopia conferred its highest national award on Prime Minister Narendra Modi. What was the award called?

- Ans
- ☒ 1. Great Honour Nishan
 - ☐ 2. Order of Makarios III
 - ☐ 3. Order of the Nile
 - ☐ 4. Order of Oman (First Class)

Question Type : MCQ
Question ID : 4410091569494
Option 1 ID : 4410096198968
Option 2 ID : 4410096198969
Option 3 ID : 4410096198970
Option 4 ID : 4410096198971
Status : Answered
Chosen Option : 4

Q.28 Which of the following particles is essential for determining the isotope of an element?

- Ans
- ☐ 1. Electron
 - ☐ 2. Positron
 - ☐ 3. Proton
 - ☒ 4. Neutron

Question Type : MCQ
Question ID : 4410091569793
Option 1 ID : 4410096200161
Option 2 ID : 4410096200164
Option 3 ID : 4410096200162
Option 4 ID : 4410096200163
Status : Answered
Chosen Option : 3

Q.29 In cricket, which of the following terms is used when a bowler dismisses three batsmen with consecutive deliveries?

- Ans
- ☐ 1. Overthrow
 - ☐ 2. Century
 - ☒ 3. Hat-trick
 - ☐ 4. Duck

Question Type : MCQ
Question ID : 4410091571748
Option 1 ID : 4410096208036
Option 2 ID : 4410096208034
Option 3 ID : 4410096208033
Option 4 ID : 4410096208035
Status : Answered
Chosen Option : 3

Q.30 Two trains C and D start running together from the same point with speeds of 70 kmph and 92 kmph respectively. If the length of train C is 100 m, how long will it take for train D to cross train C?

- Ans
- ☐ 1. 2 min 5 sec
 - ☐ 2. 1 min 28 sec
 - ☒ 3. 1 min 30 sec
 - ☐ 4. 1 min 45 sec

Question Type : MCQ
Question ID : 441009641664
Option 1 ID : 4410092520788
Option 2 ID : 4410092520789
Option 3 ID : 4410092520790
Option 4 ID : 4410092520787
Status : Answered
Chosen Option : 2

Section : Professional Ability

Q.1 Ventricular fibrillation waves on ECG are best described as:

- Ans
- ☐ 1. Straight line
 - ☐ 2. Sawtooth pattern waves
 - ☐ 3. Regular
 - ☒ 4. Disorganised

Question Type : MCQ
Question ID : 4410091551822
Option 1 ID : 4410096129917
Option 2 ID : 4410096129918
Option 3 ID : 4410096129915
Option 4 ID : 4410096129916
Status : Answered
Chosen Option : 4

Q.2 In a patient with suspected angina, which ECG feature would prompt urgent evaluation for possible myocardial infarction rather than typical angina?

- Ans
- ☐ 1. Isolated T wave flattening
 - ☐ 2. Transient ST depression
 - ☐ 3. Sinus tachycardia
 - ☒ 4. Persistent ST elevation

Question Type : MCQ
Question ID : 4410091558052
Option 1 ID : 4410096154526
Option 2 ID : 4410096154524
Option 3 ID : 4410096154527
Option 4 ID : 4410096154525
Status : Answered
Chosen Option : 4

Q.3 Which ECG feature is most suggestive of a premature atrial contraction?

- Ans
- ☒ 1. Early P wave with normal QRS complex
 - ☐ 2. Prolonged PR interval with normal QRS complex
 - ☐ 3. Wide QRS complex without P wave
 - ☐ 4. Absent T wave with ST segment change

Question Type : MCQ
Question ID : 4410091579135
Option 1 ID : 4410096237736
Option 2 ID : 4410096237738
Option 3 ID : 4410096237735
Option 4 ID : 4410096237737
Status : Answered
Chosen Option : 1

Q.4 What is the significance of a prolonged PR interval?

- Ans
- ☐ 1. Atrial fibrillation
 - ☐ 2. Ventricular hypertrophy
 - ☒ 3. First degree heart block
 - ☐ 4. Normal conduction

Question Type : MCQ
Question ID : 4410091571249
Option 1 ID : 4410096206030
Option 2 ID : 4410096206029
Option 3 ID : 4410096206027
Option 4 ID : 4410096206028
Status : Answered
Chosen Option : 3

Q.5 How many standard limb leads are used in a basic ECG procedure?

- Ans ☒ 1. 4
☒ 2. 5
☒ 3. 2
☒ 4. 3

Question Type : MCQ
Question ID : 4410091558140
Option 1 ID : 4410096154894
Option 2 ID : 4410096154895
Option 3 ID : 4410096154892
Option 4 ID : 4410096154893
Status : Answered
Chosen Option : 1

Q.6 The ECG machine mainly works on the principle of:

- Ans ☒ 1. Conversion of light energy into electrical signals
☒ 2. Conversion of heat energy into electrical signals
☒ 3. Detection and amplification of bioelectric potentials
☒ 4. Conversion of magnetic fields into electrical signals

Question Type : MCQ
Question ID : 4410091581952
Option 1 ID : 4410096249053
Option 2 ID : 4410096249054
Option 3 ID : 4410096249052
Option 4 ID : 4410096249051
Status : Answered
Chosen Option : 3

Q.7 ECG is most useful in the diagnosis of which cardiac condition?

- Ans ☒ 1. Pericardial effusion
☒ 2. Valvular thickness
☒ 3. Heart murmur
☒ 4. Cardiac arrhythmias

Question Type : MCQ
Question ID : 4410091581636
Option 1 ID : 4410096247774
Option 2 ID : 4410096247773
Option 3 ID : 4410096247771
Option 4 ID : 4410096247772
Status : Answered
Chosen Option : 4

Q.8 What is a typical ECG finding in patients with cerebral infarct?

- Ans
- ☒ 1. U wave presence
 - ☒ 2. Tall P waves
 - ☒ 3. T wave inversion
 - ☒ 4. Prolonged PR interval

Question Type : MCQ
Question ID : 4410091555912
Option 1 ID : 4410096146204
Option 2 ID : 4410096146202
Option 3 ID : 4410096146201
Option 4 ID : 4410096146203
Status : Answered
Chosen Option : 3

Q.9 Which device is used for long-term intermittent ECG recording activated by the patient?

- Ans
- ☒ 1. Event recorder
 - ☒ 2. Stress test system
 - ☒ 3. Cardiac monitor
 - ☒ 4. Defibrillator

Question Type : MCQ
Question ID : 4410091583646
Option 1 ID : 4410096255909
Option 2 ID : 4410096255911
Option 3 ID : 4410096255910
Option 4 ID : 4410096255908
Status : Answered
Chosen Option : 1

Q.10 During high-dose vasopressor therapy, which ECG change most reliably indicates supply-demand ischemia due to increased afterload?

- Ans
- ☒ 1. QT interval shortening
 - ☒ 2. ST segment depression
 - ☒ 3. PR interval shortening
 - ☒ 4. Tall P waves

Question Type : MCQ
Question ID : 4410091704861
Option 1 ID : 4410096724485
Option 2 ID : 4410096724482
Option 3 ID : 4410096724483
Option 4 ID : 4410096724484
Status : Answered
Chosen Option : 2

Q.11 In the context of CVS monitoring, which finding in myxedema patients could be explained by their ECG pattern?

- Ans
- ☒ 1. Ventricular fibrillation due to electrolyte imbalance
 - ☒ 2. Atrial flutter due to enhanced automaticity
 - ☒ 3. Bradycardia due to decreased metabolic rate
 - ☒ 4. Tachycardia due to increased sympathetic tone

Question Type : MCQ
Question ID : 4410091555909
Option 1 ID : 4410096146191
Option 2 ID : 4410096146192
Option 3 ID : 4410096146190
Option 4 ID : 4410096146189
Status : Answered
Chosen Option : 3

Q.12 In standard ECG calibration, 1 mV of electrical signal is represented by:

- Ans
- ☒ 1. 15 mm
 - ☒ 2. 5 mm
 - ☒ 3. 20 mm
 - ☒ 4. 10 mm

Question Type : MCQ
Question ID : 4410091583564
Option 1 ID : 4410096255578
Option 2 ID : 4410096255576
Option 3 ID : 4410096255579
Option 4 ID : 4410096255577
Status : Answered
Chosen Option : 4

Q.13 During a treadmill stress test, what action should be taken if a patient reports chest pain?

- Ans
- ☒ 1. Stop the test immediately
 - ☒ 2. Increase the speed
 - ☒ 3. Lower the incline
 - ☒ 4. Ignore the complaint

Question Type : MCQ
Question ID : 4410091571265
Option 1 ID : 4410096206091
Option 2 ID : 4410096206092
Option 3 ID : 4410096206094
Option 4 ID : 4410096206093
Status : Answered
Chosen Option : 1

Q.14 What is the primary purpose of a stress test in cardiac care?

- Ans
- ☒ 1. To assess kidney performance
 - ☒ 2. To evaluate heart function under stress
 - ☒ 3. To check lung capacity
 - ☒ 4. To measure blood sugar levels

Question Type : MCQ
Question ID : 4410091571261
Option 1 ID : 4410096206078
Option 2 ID : 4410096206076
Option 3 ID : 4410096206077
Option 4 ID : 4410096206075
Status : Answered
Chosen Option : 2

Q.15 What is the best way to prevent electrode contact artifacts when performing an ECG?

- Ans
- ☒ 1. Using worn-out electrodes
 - ☒ 2. Applying conductive gel to the skin
 - ☒ 3. Placing electrodes over thick clothing
 - ☒ 4. Using dry electrodes

Question Type : MCQ
Question ID : 4410091570693
Option 1 ID : 4410096203758
Option 2 ID : 4410096203756
Option 3 ID : 4410096203757
Option 4 ID : 4410096203755
Status : Answered
Chosen Option : 2

Q.16 Which combination of symptoms and ECG findings is most indicative of myocardial infarction?

- Ans
- ☒ 1. Fatigue with sinus bradycardia
 - ☒ 2. Dizziness with prolonged PR interval
 - ☒ 3. Palpitations with normal ECG
 - ☒ 4. Chest pain with ST elevation

Question Type : MCQ
Question ID : 4410091570663
Option 1 ID : 4410096203638
Option 2 ID : 4410096203637
Option 3 ID : 4410096203636
Option 4 ID : 4410096203635
Status : Answered
Chosen Option : 4

Q.17 ECG changes in leads II, III, and aVF are characteristic of infarction involving which myocardial wall?

- Ans
- ☐ 1. Septal wall
 - ☐ 2. Anterior wall
 - ☒ 3. Inferior wall
 - ☐ 4. Lateral wall

Question Type : MCQ
Question ID : 4410091579125
Option 1 ID : 4410096237693
Option 2 ID : 4410096237691
Option 3 ID : 4410096237692
Option 4 ID : 4410096237694
Status : Answered
Chosen Option : 3

Q.18 Who is considered the father of electrocardiography?

- Ans
- ☐ 1. William Edith
 - ☒ 2. Willem Einthoven
 - ☐ 3. William Harvey
 - ☐ 4. Claude Bernard

Question Type : MCQ
Question ID : 4410091581950
Option 1 ID : 4410096249046
Option 2 ID : 4410096249045
Option 3 ID : 4410096249043
Option 4 ID : 4410096249044
Status : Answered
Chosen Option : 2

Q.19 Which component of the ECG is most useful in detecting atrial enlargement?

- Ans
- ☒ 1. P wave
 - ☐ 2. T wave
 - ☐ 3. ST segment
 - ☐ 4. QRS complex

Question Type : MCQ
Question ID : 4410091576222
Option 1 ID : 4410096225670
Option 2 ID : 4410096225672
Option 3 ID : 4410096225673
Option 4 ID : 4410096225671
Status : Answered
Chosen Option : 1

Q.20 Which type of stress test involves the use of medication instead of physical exercise?

- Ans ☒ 1. Pharmacological stress test
- ☐ 2. Holter monitoring
- ☐ 3. Exercise stress test
- ☐ 4. Echocardiogram

Question Type : MCQ
Question ID : 4410091571263
Option 1 ID : 4410096206084
Option 2 ID : 4410096206085
Option 3 ID : 4410096206083
Option 4 ID : 4410096206086
Status : Answered
Chosen Option : 1

Q.21 After a stress test ECG, which finding would require immediate medical attention during the recovery phase?

- Ans ☐ 1. Mild fatigue
- ☐ 2. Mild muscle soreness
- ☐ 3. Slight increase in blood pressure
- ☒ 4. Persistent arrhythmias on ECG

Question Type : MCQ
Question ID : 4410091551371
Option 1 ID : 4410096127839
Option 2 ID : 4410096127842
Option 3 ID : 4410096127841
Option 4 ID : 4410096127840
Status : Answered
Chosen Option : 4

Q.22 A patient has an ECG showing a regular series of P waves followed by QRS complexes. Occasionally, a QRS complex is missing. What should be assessed first when analyzing this ECG?

- Ans ☐ 1. QRS voltage
- ☒ 2. Heart rate and rhythm
- ☐ 3. ST segment
- ☐ 4. T wave morphology

Question Type : MCQ
Question ID : 4410091583553
Option 1 ID : 4410096255535
Option 2 ID : 4410096255533
Option 3 ID : 4410096255532
Option 4 ID : 4410096255534
Status : Answered
Chosen Option : 2

Q.23 What is the term for moving a patient from a bed to a wheelchair safely?

- Ans ☒ 1. Transfer
- ☐ 2. Translation
- ☐ 3. Transformation
- ☐ 4. Transfusion

Question Type : MCQ
Question ID : 4410091570418
Option 1 ID : 4410096202657
Option 2 ID : 4410096202659
Option 3 ID : 4410096202658
Option 4 ID : 4410096202656
Status : Answered
Chosen Option : 1

Q.24 Which ECG finding most reliably indicates myocardial ischemia rather than established myocardial infarction?

- Ans ☒ 1. Reversible ST segment deviation without pathological Q waves
- ☐ 2. Fixed T wave inversion lasting several days
- ☐ 3. Deep Q waves in contiguous leads
- ☐ 4. Persistent ST elevation without loss of R waves

Question Type : MCQ
Question ID : 4410091704932
Option 1 ID : 4410096724767
Option 2 ID : 4410096724769
Option 3 ID : 4410096724768
Option 4 ID : 4410096724766
Status : Answered
Chosen Option : 1

Q.25 Which description best represents a normal ST segment on ECG?

- Ans ☐ 1. Consistently depressed below baseline
- ☒ 2. Isoelectric line continuous with the end of QRS complex
- ☐ 3. Slightly elevated above baseline in all leads
- ☐ 4. Markedly sloping upward before T wave

Question Type : MCQ
Question ID : 4410091705396
Option 1 ID : 4410096726600
Option 2 ID : 4410096726598
Option 3 ID : 4410096726599
Option 4 ID : 4410096726601
Status : Answered
Chosen Option : 2

Q.26 Which ECG change most reliably indicates quinidine toxicity?

- Ans
- ☐ 1. Shortened PR interval
 - ☐ 2. Peaked T waves
 - ☒ 3. Prolonged QT interval
 - ☐ 4. Scooped ST depression

Question Type : MCQ
Question ID : 4410091704782
Option 1 ID : 4410096724172
Option 2 ID : 4410096724173
Option 3 ID : 4410096724170
Option 4 ID : 4410096724171
Status : Answered
Chosen Option : 3

Q.27 In an asymptomatic endurance athlete, sinus bradycardia persists even during mild exertion. Which mechanism best explains this finding without indicating pathology?

- Ans
- ☐ 1. AV nodal conduction delay
 - ☐ 2. Enhanced ventricular automaticity
 - ☒ 3. Increased vagal suppression of SA node firing
 - ☐ 4. Prolonged ventricular refractoriness

Question Type : MCQ
Question ID : 4410091704811
Option 1 ID : 4410096724283
Option 2 ID : 4410096724285
Option 3 ID : 4410096724282
Option 4 ID : 4410096724284
Status : Answered
Chosen Option : 3

Q.28 Which principle of hospital practice directly minimizes cross-contamination when the same healthcare worker attends multiple patients sequentially?

- Ans
- ☐ 1. Routine antibiotic prophylaxis for admitted patients
 - ☒ 2. Standard precautions applied uniformly irrespective of diagnosis
 - ☐ 3. Terminal cleaning performed at end of duty hours
 - ☐ 4. Selective use of personal protective equipment only for isolation cases

Question Type : MCQ
Question ID : 4410091702698
Option 1 ID : 4410096715988
Option 2 ID : 4410096715986
Option 3 ID : 4410096715989
Option 4 ID : 4410096715987
Status : Answered
Chosen Option : 2

Q.29 Which clinical scenario most strongly justifies Holter monitoring rather than a routine resting ECG?

- Ans
- ☒ 1. Known bundle branch block without symptoms
 - ☒ 2. Intermittent palpitations occurring unpredictably over several days
 - ☒ 3. Stable sinus bradycardia on repeated ECGs
 - ☒ 4. Persistent chest pain relieved by rest

Question Type : MCQ
Question ID : 4410091705346
Option 1 ID : 4410096726405
Option 2 ID : 4410096726402
Option 3 ID : 4410096726404
Option 4 ID : 4410096726403
Status : Answered
Chosen Option : 2

Q.30 How many standard limb leads are used in routine ECG recording?

- Ans
- ☒ 1. Two
 - ☒ 2. Six
 - ☒ 3. Three
 - ☒ 4. Twelve

Question Type : MCQ
Question ID : 4410091583594
Option 1 ID : 4410096255698
Option 2 ID : 4410096255700
Option 3 ID : 4410096255699
Option 4 ID : 4410096255701
Status : Answered
Chosen Option : 2

Q.31 What is the primary purpose of ECG recording during code blue in the ICU?

- Ans
- ☒ 1. To examine the eyesight
 - ☒ 2. To measure the blood pressure
 - ☒ 3. To check the temperature
 - ☒ 4. To monitor the heart rhythm

Question Type : MCQ
Question ID : 4410091551194
Option 1 ID : 4410096127070
Option 2 ID : 4410096127068
Option 3 ID : 4410096127069
Option 4 ID : 4410096127067
Status : Answered
Chosen Option : 4

Q.32 The primary purpose of the differential amplifier in an ECG machine is to:

- Ans
- ☐ 1. Increase overall signal amplitude for clearer waveforms
 - ☐ 2. Stabilize baseline drift during long recordings
 - ☐ 3. Convert analog signals into digital format
 - ☒ 4. Amplify true cardiac signals while rejecting common electrical noise

Question Type : MCQ
Question ID : 4410091704942
Option 1 ID : 4410096724806
Option 2 ID : 4410096724809
Option 3 ID : 4410096724807
Option 4 ID : 4410096724808
Status : Answered
Chosen Option : 4

Q.33 Which complication is most realistically associated with Holter monitoring?

- Ans
- ☐ 1. Electrolyte imbalance
 - ☒ 2. Localized skin irritation at electrode sites
 - ☐ 3. Significant radiation exposure
 - ☐ 4. Induction of malignant arrhythmia

Question Type : MCQ
Question ID : 4410091705354
Option 1 ID : 4410096726437
Option 2 ID : 4410096726434
Option 3 ID : 4410096726436
Option 4 ID : 4410096726435
Status : Answered
Chosen Option : 2

Q.34 In a patient with a normal temperature and pulse but low blood pressure, which clinical condition should be considered first?

- Ans
- ☐ 1. Febrile illness
 - ☒ 2. Hypovolemia
 - ☐ 3. Arrhythmia
 - ☐ 4. Hypertension

Question Type : MCQ
Question ID : 4410091570413
Option 1 ID : 4410096202636
Option 2 ID : 4410096202637
Option 3 ID : 4410096202638
Option 4 ID : 4410096202639
Status : Answered
Chosen Option : 2

Q.35 What is the usual relationship between pulse rate and temperature in a normal individual?

- Ans ☒ 1. Pulse rate increases with temperature
- ☐ 2. Pulse rate fluctuates randomly
- ☐ 3. Pulse rate remains unchanged
- ☐ 4. Pulse rate decreases with temperature

Question Type : MCQ
Question ID : 4410091547181
Option 1 ID : 4410096111593
Option 2 ID : 4410096111596
Option 3 ID : 4410096111595
Option 4 ID : 4410096111594
Status : Answered
Chosen Option : 1

Q.36 Which ECG change is most commonly seen during an episode of angina pectoris?

- Ans ☒ 1. ST segment depression
- ☐ 2. Wide QRS complex
- ☐ 3. Prolonged PR interval
- ☐ 4. ST segment elevation

Question Type : MCQ
Question ID : 4410091581888
Option 1 ID : 4410096248790
Option 2 ID : 4410096248792
Option 3 ID : 4410096248791
Option 4 ID : 4410096248789
Status : Answered
Chosen Option : 4

Q.37 What is the most appropriate initial management for a patient presenting with symptomatic bradyarrhythmia?

- Ans ☐ 1. Intravenous diuretics
- ☒ 2. Administration of atropine
- ☐ 3. Immediate defibrillation
- ☐ 4. Oral anticoagulants

Question Type : MCQ
Question ID : 4410091550613
Option 1 ID : 4410096124893
Option 2 ID : 4410096124892
Option 3 ID : 4410096124891
Option 4 ID : 4410096124894
Status : Answered
Chosen Option : 2

Q.38 What ECG change might be seen after administration of calcium channel blockers?

- Ans
- ☐ 1. Sinus tachycardia
 - ☐ 2. Ventricular fibrillation
 - ☐ 3. QRS widening
 - ☒ 4. Bradycardia

Question Type : MCQ
Question ID : 4410091570511
Option 1 ID : 4410096203016
Option 2 ID : 4410096203018
Option 3 ID : 4410096203019
Option 4 ID : 4410096203017
Status : Answered
Chosen Option : 4

Q.39 Tall, peaked P waves on ECG are most commonly associated with:

- Ans
- ☐ 1. Inferior wall MI
 - ☒ 2. Right atrial enlargement
 - ☐ 3. Left atrial enlargement
 - ☐ 4. Left ventricular hypertrophy

Question Type : MCQ
Question ID : 4410091581583
Option 1 ID : 4410096247566
Option 2 ID : 4410096247564
Option 3 ID : 4410096247563
Option 4 ID : 4410096247565
Status : Answered
Chosen Option : 2

Q.40 During ECG monitoring, which drug is most likely to cause bradycardia?

- Ans
- ☐ 1. Atropine
 - ☐ 2. Dobutamine
 - ☐ 3. Epinephrine
 - ☒ 4. Propranolol

Question Type : MCQ
Question ID : 4410091570544
Option 1 ID : 4410096203149
Option 2 ID : 4410096203148
Option 3 ID : 4410096203151
Option 4 ID : 4410096203150
Status : Answered
Chosen Option : 4

Q.41 During a stress test, which of the following symptoms is a contraindication to continue exercise?

- Ans ☒ 1. Chest pain or severe shortness of breath
- ☐ 2. Sweating
- ☐ 3. Increased heart rate
- ☐ 4. Mild fatigue

Question Type : MCQ
Question ID : 441009827394
Option 1 ID : 4410093263198
Option 2 ID : 4410093263199
Option 3 ID : 4410093263200
Option 4 ID : 4410093263197
Status : Answered
Chosen Option : 1

Q.42 Which maintenance practice most directly prevents signal attenuation and waveform distortion during ECG recording?

- Ans ☐ 1. Frequent adjustment of paper speed settings
- ☐ 2. Routine recalculation of heart rate
- ☒ 3. Regular inspection and replacement of electrode cables
- ☐ 4. Periodic software updates alone

Question Type : MCQ
Question ID : 4410091705007
Option 1 ID : 4410096725063
Option 2 ID : 4410096725064
Option 3 ID : 4410096725062
Option 4 ID : 4410096725065
Status : Answered
Chosen Option : 3

Q.43 Which ECG change is most commonly associated with myocardial ischemia?

- Ans ☐ 1. U waves
- ☒ 2. ST segment depression
- ☐ 3. Tall T waves
- ☐ 4. Prolonged QT interval

Question Type : MCQ
Question ID : 4410091570850
Option 1 ID : 4410096204381
Option 2 ID : 4410096204378
Option 3 ID : 4410096204379
Option 4 ID : 4410096204380
Status : Answered
Chosen Option : 2

Q.44 During continuous ECG monitoring following subarachnoid hemorrhage, transient deep T-wave inversions are most accurately explained by which underlying mechanism?

- Ans
- ☐ 1. Primary ischemia of coronary microvasculature
 - ☐ 2. Intrinsic conduction system degeneration
 - ☐ 3. Direct electrolyte loss affecting ventricular action potential
 - ☒ 4. Sympathetic overdrive causing myocardial repolarization injury

Question Type : MCQ
Question ID : 4410091704850
Option 1 ID : 4410096724439
Option 2 ID : 4410096724441
Option 3 ID : 4410096724440
Option 4 ID : 4410096724438
Status : Answered
Chosen Option : 4

Q.45 A patient presents with chest pain and ST elevation in leads II, III, and aVF. According to the universal definition of MI, which coronary artery is most likely involved, and what is the ECG diagnosis?

- Ans
- ☐ 1. Posterior descending artery; posterior STEMI
 - ☐ 2. Left circumflex artery; lateral STEMI
 - ☐ 3. Left anterior descending artery; anterior STEMI
 - ☒ 4. Right coronary artery; inferior STEMI

Question Type : MCQ
Question ID : 4410091555853
Option 1 ID : 4410096145968
Option 2 ID : 4410096145967
Option 3 ID : 4410096145965
Option 4 ID : 4410096145966
Status : Answered
Chosen Option : 4

Q.46 During an acute myocardial infarction, which change in coronary circulation most directly impairs myocardial function?

- Ans
- ☐ 1. Increased venous return
 - ☐ 2. Increased preload
 - ☒ 3. Decreased oxygen supply
 - ☐ 4. Increased arterial pressure

Question Type : MCQ
Question ID : 4410091570409
Option 1 ID : 4410096202620
Option 2 ID : 4410096202622
Option 3 ID : 4410096202621
Option 4 ID : 4410096202623
Status : Answered
Chosen Option : 3

Q.47 Using the 300 method, how many large squares between two consecutive R waves corresponds to a heart rate of 75 bpm?

- Ans
- ☐ 1. 3 large square
 - ☐ 2. 2 large square
 - ☒ 3. 4 large square
 - ☐ 4. 5 large square

Question Type : MCQ
Question ID : 441009827131
Option 1 ID : 4410093262150
Option 2 ID : 4410093262149
Option 3 ID : 4410093262151
Option 4 ID : 4410093262152
Status : Answered
Chosen Option : 3

Q.48 Which type of ECG lead requires a reference electrode placed at a distant site from the recording electrode?

- Ans
- ☐ 1. Tripolar lead
 - ☐ 2. Bipolar lead
 - ☒ 3. Unipolar lead
 - ☐ 4. Tetrapolar lead

Question Type : MCQ
Question ID : 4410091571187
Option 1 ID : 4410096205781
Option 2 ID : 4410096205780
Option 3 ID : 4410096205779
Option 4 ID : 4410096205782
Status : Answered
Chosen Option : 3

Q.49 What is the main purpose of the Einthoven triangle in electrophysiology?

- Ans
- ☐ 1. To calculate heart rate
 - ☐ 2. To measure blood pressure
 - ☐ 3. To visualize heart chambers
 - ☒ 4. To locate the electrical axis of the heart

Question Type : MCQ
Question ID : 4410091571179
Option 1 ID : 4410096205747
Option 2 ID : 4410096205749
Option 3 ID : 4410096205750
Option 4 ID : 4410096205748
Status : Answered
Chosen Option : 4

Q.50 What does the QT interval on a normal ECG primarily represent?

- Ans ☒ 1. Ventricular depolarisation and repolarisation
- ☐ 2. Atrial contraction only
- ☐ 3. Atrial depolarisation and repolarisation
- ☐ 4. Ventricular contraction only

Question Type : MCQ
Question ID : 4410091558033
Option 1 ID : 4410096154449
Option 2 ID : 4410096154450
Option 3 ID : 4410096154448
Option 4 ID : 4410096154451
Status : Answered
Chosen Option : 1

Q.51 What is the standard voltage calibration setting for an ECG machine to ensure accurate readings?

- Ans ☐ 1. 15 mm/mV
- ☒ 2. 10 mm/mV
- ☐ 3. 5 mm/mV
- ☐ 4. 20 mm/mV

Question Type : MCQ
Question ID : 4410091570868
Option 1 ID : 4410096204452
Option 2 ID : 4410096204451
Option 3 ID : 4410096204450
Option 4 ID : 4410096204453
Status : Answered
Chosen Option : 2

Q.52 After removal of a Holter monitor, the most important next step is to:

- Ans ☒ 1. Analyze and interpret the recorded ECG data
- ☐ 2. Discard the recording electrodes
- ☐ 3. Allow the patient to bathe immediately
- ☐ 4. Reapply the monitor

Question Type : MCQ
Question ID : 4410091583622
Option 1 ID : 4410096255811
Option 2 ID : 4410096255812
Option 3 ID : 4410096255810
Option 4 ID : 4410096255813
Status : Answered
Chosen Option : 1

Q.53 For a patient bitten by a snake, what is the rationale for keeping the limb at heart level?

- Ans ☒ 1. To reduce spread of venom
- ☐ 2. To help with breathing
- ☐ 3. To speed up blood flow to the heart
- ☐ 4. To prevent blood clotting

Question Type : MCQ
Question ID : 4410091550738
Option 1 ID : 4410096125240
Option 2 ID : 4410096125242
Option 3 ID : 4410096125239
Option 4 ID : 4410096125241
Status : Answered
Chosen Option : 4

Q.54 Which frontal plane QRS axis range is considered normal in a healthy adult ECG?

- Ans ☐ 1. Between -180° and -90°
- ☒ 2. Between -30° and $+90^{\circ}$
- ☐ 3. Between $+90^{\circ}$ and $+180^{\circ}$
- ☐ 4. Between -90° and -30°

Question Type : MCQ
Question ID : 4410091705372
Option 1 ID : 4410096726505
Option 2 ID : 4410096726502
Option 3 ID : 4410096726504
Option 4 ID : 4410096726503
Status : Answered
Chosen Option : 2

Q.55 Which ECG change is most characteristic of an acute myocardial infarction?

- Ans ☐ 1. Shortened PR interval with normal QRS
- ☐ 2. Flattened P waves in multiple leads
- ☐ 3. Narrow QRS complex with normal rhythm
- ☒ 4. ST segment elevation in affected leads

Question Type : MCQ
Question ID : 4410091579120
Option 1 ID : 4410096237672
Option 2 ID : 4410096237673
Option 3 ID : 4410096237674
Option 4 ID : 4410096237671
Status : Answered
Chosen Option : 4

Q.56 A patient presents with muscle weakness, and the ECG shows flattened T waves and prominent U waves. Which electrolyte imbalance is most probable?

- Ans
- ☐ 1. Hyponatremia
 - ☐ 2. Hyperkalemia
 - ☒ 3. Hypokalemia
 - ☐ 4. Hypercalcemia

Question Type : MCQ
Question ID : 4410091551206
Option 1 ID : 4410096127110
Option 2 ID : 4410096127107
Option 3 ID : 4410096127108
Option 4 ID : 4410096127109
Status : Answered
Chosen Option : 3

Q.57 Sinus bradycardia is associated with:

- Ans
- ☐ 1. AF
 - ☐ 2. LBBB
 - ☐ 3. RVH
 - ☒ 4. Respiratory sinus rhythm

Question Type : MCQ
Question ID : 441009219987
Option 1 ID : 441009863125
Option 2 ID : 441009863122
Option 3 ID : 441009863124
Option 4 ID : 441009863123
Status : Answered
Chosen Option : 2

Q.58 The primary function of the cardiovascular system is to:

- Ans
- ☐ 1. Generate nerve impulses
 - ☐ 2. Control body temperature only
 - ☒ 3. Transport oxygen and nutrients to tissues
 - ☐ 4. Produce hormones

Question Type : MCQ
Question ID : 4410091578985
Option 1 ID : 4410096237065
Option 2 ID : 4410096237064
Option 3 ID : 4410096237062
Option 4 ID : 4410096237063
Status : Answered
Chosen Option : 3

Q.59 During ECG recording, which change most strongly suggests a therapeutic digitalis effect rather than myocardial ischemia?

- Ans
- ☐ 1. ST elevation in contiguous precordial leads
 - ☐ 2. Flattened ST segment with Q-wave formation
 - ☐ 3. Horizontal ST depression with symmetrical T-wave inversion
 - ☒ 4. Down-sloping ST depression with preserved T-wave polarity

Question Type : MCQ
Question ID : 4410091705250
Option 1 ID : 4410096726024
Option 2 ID : 4410096726025
Option 3 ID : 4410096726023
Option 4 ID : 4410096726022
Status : Answered
Chosen Option : 4

Q.60 ST elevation in leads V1 to V4 most commonly indicates infarction of which wall of the heart?

- Ans
- ☐ 1. Posterior wall
 - ☐ 2. Inferior wall
 - ☒ 3. Anterior wall
 - ☐ 4. Lateral wall

Question Type : MCQ
Question ID : 4410091579122
Option 1 ID : 4410096237682
Option 2 ID : 4410096237679
Option 3 ID : 4410096237681
Option 4 ID : 4410096237680
Status : Answered
Chosen Option : 3

Q.61 During ECG machine calibration, what is the standard voltage signal used to check the sensitivity?

- Ans
- ☐ 1. 10 millivolts
 - ☐ 2. 5 millivolts
 - ☒ 3. 1 millivolt
 - ☐ 4. 2 millivolts

Question Type : MCQ
Question ID : 4410091571083
Option 1 ID : 4410096205323
Option 2 ID : 4410096205325
Option 3 ID : 4410096205324
Option 4 ID : 4410096205326
Status : Answered
Chosen Option : 1

Q.62 Tall tented T waves in hyperkalemia occur primarily due to:

- Ans ☒ 1. Acceleration of ventricular repolarization
- ☐ 2. Prolongation of ventricular depolarization
- ☐ 3. Delayed atrial depolarization
- ☐ 4. Suppression of sinoatrial node

Question Type : MCQ
Question ID : 4410091703192
Option 1 ID : 4410096717906
Option 2 ID : 4410096717908
Option 3 ID : 4410096717907
Option 4 ID : 4410096717909
Status : Answered
Chosen Option : 1

Q.63 Which ECG feature most accurately identifies Mobitz Type II second-degree AV block?

- Ans ☐ 1. Shortened PR interval
- ☒ 2. Sudden dropped QRS complexes without prior PR prolongation
- ☐ 3. Complete atrioventricular dissociation
- ☐ 4. Progressive PR interval lengthening before dropped beat

Question Type : MCQ
Question ID : 4410091703121
Option 1 ID : 4410096717629
Option 2 ID : 4410096717626
Option 3 ID : 4410096717628
Option 4 ID : 4410096717627
Status : Answered
Chosen Option : 2

Q.64 Gas exchange in the lungs occurs at the level of the:

- Ans ☐ 1. Bronchi
- ☐ 2. Bronchioles
- ☒ 3. Alveoli
- ☐ 4. Trachea

Question Type : MCQ
Question ID : 4410091579002
Option 1 ID : 4410096237140
Option 2 ID : 4410096237141
Option 3 ID : 4410096237142
Option 4 ID : 4410096237143
Status : Answered
Chosen Option : 3

Q.65 Which segment is primarily analyzed to diagnose an ST-elevation myocardial infarction (STEMI)?

- Ans
- ☐ 1. P wave
 - ☐ 2. PR interval
 - ☒ 3. ST segment
 - ☐ 4. T wave

Question Type : MCQ
Question ID : 4410091570443
Option 1 ID : 4410096202759
Option 2 ID : 4410096202758
Option 3 ID : 4410096202756
Option 4 ID : 4410096202757
Status : Answered
Chosen Option : 3

Q.66 Which of the following is most likely to trigger a premature ventricular contraction?

- Ans
- ☐ 1. Increased vagal tone
 - ☐ 2. Slow heart rate
 - ☐ 3. Normal conduction pathway
 - ☒ 4. Electrolyte imbalance

Question Type : MCQ
Question ID : 4410091570530
Option 1 ID : 4410096203092
Option 2 ID : 4410096203094
Option 3 ID : 4410096203095
Option 4 ID : 4410096203093
Status : Answered
Chosen Option : 1

Q.67 Which ECG change best differentiates left ventricular hypertrophy from simple increased cardiac workload without structural enlargement?

- Ans
- ☐ 1. Uniform ST depression without voltage change
 - ☒ 2. Increased QRS voltage with secondary ST-T changes
 - ☐ 3. Isolated PR interval prolongation
 - ☐ 4. Mild axis deviation with normal QRS amplitude

Question Type : MCQ
Question ID : 4410091704910
Option 1 ID : 4410096724681
Option 2 ID : 4410096724680
Option 3 ID : 4410096724679
Option 4 ID : 4410096724678
Status : Answered
Chosen Option : 2

Q.68 Which component of the ECG lead system is responsible for detecting electrical impulses from the heart?

- Ans
- ☒ 1. Monitor
 - ☒ 2. Electrode
 - ☒ 3. Display screen
 - ☒ 4. Battery

Question Type : MCQ
Question ID : 4410091570866
Option 1 ID : 4410096204443
Option 2 ID : 4410096204442
Option 3 ID : 4410096204445
Option 4 ID : 4410096204444
Status : Answered
Chosen Option : 2

Q.69 Digitalis exerts its effect primarily on:

- Ans
- ☒ 1. Endocardial contraction
 - ☒ 2. Endocardial systole
 - ☒ 3. Myocardial repolarization
 - ☒ 4. Myocardial depolarization

Question Type : MCQ
Question ID : 441009225121
Option 1 ID : 441009881599
Option 2 ID : 441009881600
Option 3 ID : 441009881597
Option 4 ID : 441009881598
Status : Answered
Chosen Option : 4

Q.70 Left ventricular hypertrophy on ECG is commonly indicated by:

- Ans
- ☒ 1. Tall R waves in left chest leads
 - ☒ 2. Short QT interval
 - ☒ 3. Flattened T waves
 - ☒ 4. Low voltage QRS complexes

Question Type : MCQ
Question ID : 4410091583544
Option 1 ID : 4410096255497
Option 2 ID : 4410096255498
Option 3 ID : 4410096255499
Option 4 ID : 4410096255496
Status : Answered
Chosen Option : 1