

Question Paper

Exam Date & Time: 27-May-2024 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER B.Sc. CVT DEGREE EXAMINATION - MAY/JUNE 2024
SUBJECT: CVT1201 - ADVANCED ECG AND HOLTER MONITORING
(2020 SCHEME)

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain the pitfalls of ECG interpretation in detail. | (20) |
| 2) | Explain the mechanism, ECG diagnosis, Treatment and Complications of VT. | (20) |
| 3) | Explain the mechanisms of the Genesis of Cardiac arrhythmias in detail. | (10) |
| 4) | Explain the Types and ECG findings of Atrial Fibrillation. | (10) |
| 5A) | Explain the Mechanism of AVNRT. | (5) |
| 5B) | Explain the ECG findings of Brugada syndrome. | (5) |
| 5C) | Mention ECG features in Pulmonary thromboembolism. | (5) |
| 5D) | Discuss the ECG findings of Hyperkalaemia and Hypokalaemia. | (5) |
| 5E) | Write a note on Premature Complexes. | (5) |
| 5F) | Explain the indication and lead placement of ambulatory ECG recording. | (5) |
| 6A) | Define Polymorphic VT. | (2) |
| 6B) | Write any 4 ECG findings of Hypertrophic Cardiomyopathy. | (2) |
| 6C) | Write the ECG findings in MAT. | (2) |
| 6D) | What is Josephson's Sign? | (2) |
| 6E) | Evaluate the distinguishing features between sinus rhythm and pacemaker rhythm on an electrocardiogram. | (2) |

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