Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

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

Marks: 100   **Duration: 180 mins.**

Answer all the questions.

1)	Explain the mechanism of genesis, classification, and ECG criteria of AVNRT.	(20)
2)	Explain the ECG criteria to identify electrolyte imbalance.	(20)
3)	Explain the Brugada algorithm in the diagnosis of Ventricular Tachycardia.	(10)
4)	Explain the ECG features of atrial flutter and atrial fibrillation.	(10)
5A)	Explain the lead system and indications for signal averaged ECG.	(5)
5B)	Explain the ECG criteria to identify ventricular premature complex.	(5)
5C)	Explain the ECG pattern in LA/RA lead reversal.	(5)
5D)	Explain the ECG features of pulmonary thromboembolism.	(5)
5E)	Compare orthodromic and antidromic AVRT.	(5)
5F)	Explain the lead system in ambulatory ECG.	(5)
6A)	List the ECG features of Junctional ectopic.	(2)
6B)	How do you differentiate sinus rhythm and pacemaker rhythm on ECG?	(2)
6C)	List any two ECG findings in Brugada syndrome.	(2)
6D)	List any two ECG findings in Hypertrophic cardiomyopathy.	(2)
6E)	What is epsilon wave?	(2)

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