

Question Paper

Exam Date & Time: 07-Jun-2019 (02:00 PM - 04:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SECOND SEMESTER B.Sc. CARDIOVASCULAR TECHNOLOGY DEGREE EXAMINATION - MAY/JUNE 2019
SUBJECT: BCVT 102 - ADVANCED ECG & HOLTER MONITORING
(2016 RV SCHEME)

Friday, June 07, 2019 (14.00 - 16.00)

Answer all the questions.

Draw the diagram wherever necessary.

Marks: 50

Duration: 120 mins.

Answer all the questions.

- 1) Explain the mechanisms of Cardiac Arrhythmia's in detail with examples. (10)
- 2) What is signal averaged ECG? Explain in detail the indications, lead system, analysis and interpretation. (10)
- 3A) Write a short note on WPW syndrome. (5)
- 3B) Explain orthodromic AVRT. (5)
- 3C) Explain Ventricular tachycardia in structurally normal heart. (5)
- 3D) Explain Sick Sinus Syndrome. (5)
- 4A) What is Ashman's Phenomenon? (2)
- 4B) Write the ECG findings in Hyperkalemia. (2)
- 4C) Define AV dissociation. (2)
- 4D) Give two examples for Long RP tachycardia with ECG. (2)
- 4E) Describe the ECG findings in True and Technical Dextrocardia. (2)

-----End-----