

VINAYAKA MISSIONS UNIVERSITY, SALEM

**M.SC (ECHOCARDIOGRAPHY) DEGREE EXAMINATION – August 2019
First Year**

CARDIOLOGY

Time: Three hours

Maximum: 100 marks

Answer **ALL** questions

I. Write an Long essay on :

(2 x 20 = 40)

1. Define ECG. Describe in detail the physical principle behind ECG. Draw a neatly labelled ECG and explain the various waves segments and interval.
2. Define shock. Explain in detail the various types and management of shock.

II. Write short notes on :

(10 x 6 = 60)

3. VSD.
4. Heart murmurs.
5. Cardiac transplantation.
6. ECG changes in acute myocardial infarction.
7. Angina.
8. 'Q' wave in ECG.
9. Rheumatic fever.
10. Angiogram.
11. Unipolar and bipolar ECG leads.
12. Ballistocardiogram.
