



**GOVERNMENT OF KERALA
DIRECTORATE OF MEDICAL EDUCATION
DIPLOMA IN CARDIOVASCULAR TECHNOLOGY COURSE
REGULAR & SUPPLEMENTARY EXAMINATION APRIL 2024**

DCVT-I- APR-2024

Time -3hrs.

Max.marks: 100

**PAPER-I
BASIC SCIENCE ANATOMY & PHYSIOLOGY OF
CARDIOVASCULAR SYSTEM**

I. Essays (2x14=28)

- a. Discuss on Aorta and its branches
- b. Discuss on emergency drugs in cath lab

II Short notes (Answer all questions) (12X6=72)

- a. SA node
- b. METs
- c. QT interval
- d. Aortic valve anatomy
- e. Coronary Sinus
- f. First Heart sound
- g. Tachycardia
- h. Systole
- i. Posterior descending artery
- j. Diastolic murmur
- k. Aspirin
- l. Pericardium and its applied anatomy

.....



**GOVERNMENT OF KERALA
DIRECTORATE OF MEDICAL EDUCATION
DIPLOMA IN CARDIOVASCULAR TECHNOLOGY COURSE
REGULAR & SUPPLEMENTARY EXAMINATION APRIL 2024**

DCVT-II- APR-2024

Time -3hrs.

Max.marks: 100

PAPER-II

**Applied Sciences, Applied Physics and Electronic Principles and practice of ECG,
TMT, Holter Echocardiography and Cardiac Catheterisation**

I. Essays (2x14=28)

- a. Discuss coronary angiography, views and contrast media.
- b. Discuss the basic principles, methodology, indications and contraindications of treadmill testing.

II Short notes (Answer all questions) (12X6=72)

- a. Echo findings in aortic stenosis
- b. Mason-Likar modification
- c. Holter monitoring
- d. ECG findings of inferior wall myocardial infarction with right ventricular involvement.
- e. Dobutamine stress echo
- f. Transesophageal echocardiography
- g. OTW balloon catheters
- h. Adrenaline
- i. Pulsed wave doppler-principle and application
- j. RAO caudal view in coronary angiography
- k. Wires used in CTO angioplasty
- l. Contrast echocardiography

.....