Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Cardiac Care Technology Degree Examination – 19-Jan-2022

Time: Three Hours | Max. Marks: 100 Marks

INTRODUCTION TO CARDIAC CARE TECHNOLOGY (RS2)

Q.P. CODE: 1245

(QP contains two pages)

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) — 2 x 10 = 20 Marks

1. Explain the genesis of P, QRS, T and U waves. Describe the QRS in left and right bundle branch block.
2. Principles of ultrasound and applications of M-mode echocardiography.
3. Treadmill testing, precautions and advice to patients, lead placement, exercise protocol and risks.

SHORT ESSAYS (Answer any Twelve) — 12 x 5 = 60 Marks

4. Standard views/imaging planes in 2D echocardiography.
5. Bradyarrhythmias.
6. Zone of QRS transition and clockwise and anticlockwise rotation.
7. Unifascicular and bifascicular blocks.
8. A-mode, B-mode, M-mode in ultrasound.
9. Left ventricular segments in ECHO.
10. Transducer positions for papillary muscles, coronary sinus, tricuspid valve, aortic arch, inferior venaca.
11. Clinical applications of colour Doppler imaging.
12. Laminar blood flow.
13. Transducers.
14. Various types of QRS complexes.
15. Calculating heart rate from the ECG. Comment on paper spread.
16. Normal axes of each of the limb leads and augmented limb leads.
17. Chamber enlargement and hypertrophy by ECG.

SHORT ANSWERS (Answer any Ten) — 10 x 2 = 20 Marks

18. Narrow QRS and wide QRS.
19. Uses of Doppler echocardiography.
20. Pulse repetition frequency.
21. Contrast echocardiography.
22. Differences between pulsed and continuous wave Doppler.

23. Advantages and disadvantages of 3D echocardiography.
24. Proper position of patients for echocardiography.
25. Electrode placement for treadmill testing.
26. Types of Heart blocks in ECG.
27. Indications for TMT.
28. 12 lead ECG.
29. Sinus arrhythmia.

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Second Year B.Sc. Cardiac Care Technology Degree Examination – 19-Jan-2022

Time: Three Hours Max. Marks: 100 Marks

Introduction to Cardiac Care Technology (RS-3)

Q.P. CODE: 3274

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) 2 x 10 = 20 Marks

1. Explain the placement positions and color codes of ECG limb leads and precordial leads in detail. Describe the uses and positions of posterior chest leads and right sided chest leads.
2. Explain the Holter monitoring indications, connections and positive findings in detail.
   OR
   Explain the principles of Deppler Echo in detail.

SHORT ESSAYS (Question No 5 & 10 choice) 10 x 5 = 50 Marks

3. Write a note on contrast Echo.
4. Briefly explain ASE recommendations for Echo measurements.
5. Explain Intra-cardiac Echo briefly.
   OR
   Write a short note on Biological effects of ultrasound.
6. Explain the working of transducer.
7. Briefly explain generation of X-ray in the Cathlab.
8. Explain bundle branch blocks in detail.
9. Write a note on ECG criteria
10. Describe exercise protocols in TMT.
    OR
    Describe the basic principles of ultrasound.
11. Explain Hexaxial reference system.
12. Write a short note on ECG paper.

SHORT ANSWER 10 x 3 = 30 Marks

13. Write a note on abnormalities of QRS complex.
14. Mention any three causes for peaked P wave.
15. Mention any three indications for TMT.
16. Describe any three methods to calculate Heart Rate in Regular Sins Rhythm.
17. Describe any three causes for RVH.
18. Why do you terminate TMT?
19. Mention any three, 2D Echo artefacts.
20. Write the use of these 3 knobs-gain, TGC, depth.

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21. Write the uses of M-mode.
22. Differentiate between RA and LA morphology.

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II Year B.Sc. Cardiac Care Technology Degree Examination – 21-Jan-2022

Time: Three Hours | Max. Marks: 100 Marks

Medicine Relevant to Technology (RS-3)

Q.P. CODE: 3275

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) 2 x 10 = 20 Marks

1. Explain stepwise investigations to Ischemic Heart Disease in Emergency Triage and its management.
2. Briefly describe Jones Criteria. How do you treat RHD?
   OR
   Describe pathophysiology and types of ASD. Write a note on treatment of ASD.

SHORT ESSAYS (Question No 5 & 10 choice) 10 x 5 = 50 Marks

3. Discuss about anemia and its management
4. Write a short note on COPD.
5. Describe acute vs chronic renal failure.
   OR
   Explain Aortic aneurysms in detail.
6. Briefly describe LV failure and its management.
7. Write a short note on diabetes types and its management.
8. Explain peripheral vascular disease treatment.
9. Describe indication for renal transplantation.
10. Write a short note on autonomic nervous system.
    OR
    Describe obesity in detail.
11. Briefly explain lab tests used in bleeding disorders.
12. Write a note on cardiomyopathy.

SHORT ANSWER 10 x 3 = 30 Marks

13. Mention any three cardiac biomarkers.
14. Mention any three congenital heart diseases.
15. Describe pulmonary edema briefly.
16. Mention any three diseases of aorta.
17. Describe lab findings of anemia.
18. How do you identity end stage renal diseases.
19. Mention any three causes for CNS disorders.
20. Mention any three Antihypertensives.
21. Give three examples for anticoagulants.
22. Give three examples for Diuretics.

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II Year B.Sc. Cardiac Care Technology Degree Examination – 22-Jul-2022

Time: Three Hours | Max. Marks: 100 Marks

INTRODUCTION TO CARDIAC CARE TECHNOLOGY (RS2)

Q.P. CODE: 1245

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Modes of ECHO in detail.
2. Horizontal and vertical representation of the ECG paper. Label waves, segments and intervals of a complex.
3. Exercise stress testing, protocols, observations and contraindications.

SHORT ESSAYS (Answer any Twelve) 12 x 5 = 60 Marks

4. Romhilt – Estes criteria of left ventricular hypertrophy.
5. Estimation of the QRS axis using limb leads with examples for left and right axis deviations.
6. Transducers and the generation of echo pulses.
7. M-mode echocardiography of mitral and aortic valves.
8. Bundle branch block.
9. Doppler effect.
10. ECG in LVH & RVH
11. Uses of pulsed wave and continuous wave Doppler.
12. Modified Bruce protocol.
13. Fascicular blocks and associated QRS axis.
14. Abnormalities of P wave and PR interval.
15. Echocardiographic transducers, transducer setting and positions.
16. Indications, procedure and risks for contrast echocardiography.
17. Seventeen – segment model of the left ventricle.

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

18. Tall T waves and T wave inversions.
19. Conditions causing non-laminar flow in echocardiography.
20. Short-axis views at various levels.
21. Three-dimensional echocardiography.
22. Piezoelectric effect.
23. Cardiac structures seen in bicaval view during trans-esophageal echo.
24. Transducer positions in a patient with known dextrocardia.
25. Ultrasound artefacts.
26. Difference between bigeminy and couplets on ECG.
27. Metabolic equivalents.
28. Draw and label Einthoven's triangle.
29. Signs and atrial enlargement on ECG.

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Cardiac Care Technology Degree Examination – 25-Jul-2022

Time: Three Hours | Max. Marks: 80 Marks

MEDICINE RELEVANT TO CARDIAC CARE TECHNOLOGY (RS2)

Q.P. CODE: 1246

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Systemic hypertension, causes and complications.
2. Name acyanotic and cyanotic heart disease. Describe any one condition in detail.
3. Complications of Diabetes Mellitus.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Aortic stenosis.
5. Anemia in pregnancy.
6. Pericardial effusion.
7. Abdominal aortic aneurysm.
8. What is clotting time?
9. Deep vein thrombosis.
10. Autonomous nervous system.
11. What are the tests available for diagnosis of bleeding disorders?
12. Hypertrophic cardiomyopathy.
13. Obesity and Heart disease.

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

14. Mention four drugs used for type II Diabetes Mellitus.
15. Uses of heparin.
16. ST segment changes in Myocardial infarction.
17. What is lung compliance and resistance? Definition only.
18. Causes of acute renal failure.
19. Angina pectoris.
20. Causes pulmonary hypertension.
21. What are parasympathetic system actions? Name only four.
22. What is a Sphygmomanometer?
23. Supra ventricular tachycardia.
24. Significance of raised jugular venous pressure.
25. Sinus bradycardia.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Allied Health Sciences Degree Examination - 18-Jul-2022

Time: Three Hours | Max. Marks: 50 Marks

APPLIED PATHOLOGY (RS-3)
(Cardiac Care Technology and Perfusion Technology)
Q.P. CODE: 3266

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary
(Note: Both QP Codes 3266 and 3267 are to be answered within total duration of 3 hours)

LONG ESSAYS 1 x 10 = 10 Marks

1. Describe briefly the causes, pathogenesis and complications of each type of chronic obstructive pulmonary disease.

SHORT ESSAYS (Question No. 4 choice) 5 x 5 = 25 Marks

2. Discuss briefly the pathogenesis and effects of hypertension.
3. Explain the effects and role of dialysis and renal transplantation in its management of end stage renal disease.
4. Pathophysiology of heart failure.
   OR
   Describe the peripheral blood smear findings of Chronic lymphocytic Leukemia.
5. Define and classify bleeding disorders.
6. Describe briefly Glomerulonephritis and Pyelonephritis.

SHORT ANSWER (Question No.9 choice) 5 x 3 = 15 Marks

7. Types of cardiomyopathy.
8. Prothtombin time.
9. Complications of Aneurysms.
   OR
   Estimation of Bleeding and Clotting time.
10. Agranulocytosis.
11. Mention three complication of myocardial infarction.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Allied Health Sciences Degree Examination - 18-Jul-2022

Time: Three Hours | Max. Marks: 50

APPLIED MICROBIOLOGY (RS-3)

(Cardiac Care Technology and Perfusion Technology)

Q.P. CODE: 3267

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary
(Note: Both QP Codes 3266 and 3267 are to be answered within total duration of 3 hours)

LONG ESSAYS — 1 x 10 = 10 Marks

1. Define Nosocomial infections. Describe types of hospital acquired infections and add a note on preventive measures

SHORT ESSAYS (Question No. 4 choice) — 5 x 5 = 25 Marks

2. Laboratory diagnosis of Tuberculosis
3. Hepatitis B vaccine
4. Catheter associated blood stream infections
   OR
   Enteric fever
5. Lab diagnosis of HIV infection
6. Gaseous disinfection

SHORT ANSWER (Question No.9 choice) — 5 x 3 = 15 Marks

7. Floor plan for CSSD
8. Name three DNA viruses
9. Surveillance for hemophilus influenza
   OR
   Modes of spread of cytomegalo virus
10. Name three uses of hot air oven
11. Needle stick injury

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Cardiac Care Technology Degree Examination – 22-Jul-2022

Time: Three Hours | Max. Marks: 100 Marks

Introduction to Cardiac Care Technology (RS-3)

Q.P. CODE: 3274

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) 2 x 10 = 20 Marks

1. Describe use of TMT in diagnostic cardiology in detail.
2. Discuss about 2D Echocardiography and its artefacts.
   OR
   Explain Doppler echocardiography and its artefacts.

SHORT ESSAYS (Question No 5 & 10 choice) 10 x 5 = 50 Marks

3. Write a note on Holter Monitoring.
4. Write a note on Genesis of Ventricular Depolarisation.
5. Write a note on ECG leads.
   OR
   Describe normal ECG features in detail.
6. Describe properties of an ultrasound wave.
7. Bernoullis's Equation.
8. Write a note on precordial lead connections in ECG.
9. Describe bundle branch blocks in detail.
10. Write a note on positive findings in TMT.
    OR
    Describe emergency kit in TMT labs.
11. Explain Biatrial enlargement in detail.
12. Write a note on Trifascicular block.

SHORT ANSWER 10 x 3 = 30 Marks

13. Mention any three ways to measure cardiac output.
14. Sgarbossa's criteria.
15. Mention any three causes for RAE.
16. Mention any three causes for BVH.
17. Describe ECG standardization.
18. Mention any three features of a normal P wave in an ECG.
19. What are the causes of an abnormal T wave?
20. What are the lateral leads in an ECG?
21. Describe any three causes for Bradycardia.
22. Describe ECG paper speed in detail.

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II Year B.Sc. Cardiac Care Technology Degree Examination – 25-Jul-2022

Time: Three Hours | Max. Marks: 100 Marks

Medicine Relevant to Cardiac Care Technology (RS-3)

Q.P. CODE: 3275

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) 2 x 10 = 20 Marks

1. Etiological factors for coronary artery disease (CAD) / Ischemic heart disease (IHD. What is the clinical presentation of IHD? Write in brief about different types of CAD

2. Write in brief about acute pulmonary edema
   a) Etiology and pathogenesis b) Clinical presentation c) Diagnosis d) Management
   OR
   Brief note on Aortic diseases

SHORT ESSAYS (Question No 5 & 10 choice) 10 x 5 = 50 Marks

3. Indications for dialysis and types of dialysis
4. What is autonomic nervous system (ANS)? What are different types of ANS? Mention important functions of ANS
5. Write in brief about pulmonary function test (PFT) – indications, methods and interpretation
   OR
   Echocardiographic features of mitral stenosis
6. Definition of COPD (Chronic obstructive pulmonary edema), type of COPD and clinical manifestation of COPD
7. What is congenital heart disease? Write broad classification and mention names of any five congenital heart disease
8. Write in brief about cardiac manifestation of RHD (Rheumatic heart disease)
9. Name different types of peripheral vascular diseases. What are different clinical manifestations of PVD?
10. What are different coagulation pathways? Name any six coagulation factors
    OR
    Complications of myocardial infarction
11. What are different types of Cardiomyopathies? Echocardiographic features of different types of Cardiomyopathies?
12. Write the brief about type of diabetes mellitus, diagnosis, symptoms and complications

SHORT ANSWER 10 x 3 = 30 Marks

13. Name any two neurological diseases and two cardiovascular diseases associated more commonly in elderly patients
14. What is obesity? How do you classify obesity?
15. Write any six physiological changes seen in pregnancy
16. What is Cerebrovascular accident? Write any two types of CVA
17. What are indications for renal transplant?
18. What is aortic aneurysm? What are different types of aortic aneurysm?
19. Write any four investigations for evaluation of renal function
20. What is restrictive lung disease? Give two examples
21. Name any four tests used for evaluation of bleeding disorders
22. Write any four causes for renal failure

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Cardiac Care Technology Degree Examination – 28-Dec-2022

Time: Three Hours | Max. Marks: 100 Marks

Introduction to Cardiac Care Technology (RS2)

Q.P. CODE: 1245

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Conduction disturbances of heart in ECG. Explain SA block, AV block and bundle branch blocks.
2. Explain Transesophageal Echo. Add a note on limitations, uses, complications and indications of it.
3. Explain the indications, contra-indications and uses of Treadmill Exercise testing. When do you terminate the test? Add a note on different protocols used to do TMT.

SHORT ESSAYS (Answer any Twelve) 12 x 5 = 60 Marks

4. Clinical applications of 2D Echo and M mode ECHO.
5. Explain ECG in bundle branch block.
6. ECG criteria for right ventricular hypertrophy and left ventricular hypertrophy.
7. Write inferior wall leads and lateral wall leads.
8. QTc.
9. Cardiac defibrillation.
10. Different transducers used in echocardiographic machine. Add a note on role of gel.
11. ECG changes in ventricular enlargement.
12. Explain AV block changes in ECG.
13. Uses of echocardiography.
14. ECG changes in atrial enlargement.
15. Conduction system of the heart.
16. Window of transthoracic Echo and the position of the patients during it.
17. Usefulness and disadvantages of pulse wave Doppler and continuous Doppler.

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

18. Indications of abnormality in stress test ECG.
19. Contraindications of TMT.
20. Contraindications for Transesophageal Echo.
21. ECG changes in third degree AV block.
22. Indications for pacemaker implantation.
23. Piezo electric effect.
24. Doppler shift.
25. Types of Atriofascicular conduction block.
26. Delta wave.
27. ECG changes in the RAD.
28. Sinus pause.
29. U wave.

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Cardiac Care Technology Degree Examination – 30-Dec-2022

Time: Three Hours Max. Marks: 80 Marks

MEDICINE RELEVANT TO CARDIAC CARE TECHNOLOGY (RS2)
Q.P. CODE: 1246

Your answers should be specific to the questions asked.
Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any Two) 2 x 10 = 20 Marks

1. Acute Anterior Wall MI –Presentation, ECG, ECHO, Diagnosis and Management.
2. Acute Rheumatic fever-Etiology, Manifestations, Diagnosis and Management.
3. Dilated cardiomyopathy - presentation, ECG, ECHO and Diagnosis and management.

SHORT ESSAYS (Answer any Eight) 8 x 5 = 40 Marks

4. Tetralogy of fallot- Components, presentation, ECG, ECHO and diagnosis, management.
5. Rheumatic Mitral stenosis-Presentation, ECG Echo and Diagnosis, Management.
6. Ventricular septal defect-presentation, ECG, Echo and diagnosis, management.
7. Aortic regurgitation-etiology, presentation, ECG, Echo and diagnosis.
8. Acute Pulmonary edema-etiology, Methods of diagnosis and Management.
9. Acute Femoral artery embolism-methods of diagnosis and management.
10. Chronic obstructive pulmonary disease-ECG, Echo, diagnosis, management.
11. Coarctation of aorta-Clinical features, ECG, Echo and diagnosis.
12. IVC Obstrucation-Etiology, presentation, Investigation and Diagnosis.
13. Cardio-Vascular causes of stroke.

SHORT ANSWERS (Answer any Ten) 10 x 2 = 20 Marks

14. Metabolic syndrome.
15. Etiologies of anemia.
16. Obesity and the Heart.
17. Pericardial Effussion.
18. Risk factors of CAD.
19. Cyanosis.
20. Oral anticoagulants.
21. Deep venous thrombosis of leg veins.
22. Streptokinase.
23. Down’s syndrome.
24. Complications of hypertension.
25. Complete heart block.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Allied Health Sciences Degree Examination - 23-Dec-2022

Time: Three Hours | Max. Marks: 50 Marks

APPLIED PATHOLOGY (RS-3)

(Cardiac Care Technology and Perfusion Technology)

Q.P. CODE: 3266

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary
(Note: Both QP Codes 3266 and 3267 are to be answered within total duration of 3 hours)

LONG ESSAYS 1 x 10 = 10 Marks

1. Define and mention different morphological types of anemia. Discuss in detail the laboratory diagnosis of Iron deficiency anemia.

SHORT ESSAYS (Question No. 4 choice) 5 x 5 = 25 Marks

2. Pericardial effusion.
3. Idiopathic thrombocytopenic purpura.
4. Clinical manifestations of renal diseases.
   OR
   Describe the complications of artificial valves.
5. Describe Cardiomyopathy.
6. Describe the causes, pathology and complication of each type of chronic obstructive pulmonary diseases.

SHORT ANSWER (Question No.9 choice) 5 x 3 = 15 Marks

7. Mention the types of pneumoconiosis.
8. Agranulocytosis.
9. Pyelonephritis.
   OR
   Types of Aneurysm.
10. Prothrombin time.
11. Types of Ischaemic heart diseases.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Allied Health Sciences Degree Examination - 23-Dec-2022

Time: Three Hours | Max. Marks: 50 Marks

APPLIED MICROBIOLOGY (RS-3)

(Cardiac Care Technology and Perfusion Technology)

Q.P. CODE: 3267

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary
(Note: Both QP Codes 3266 and 3267 are to be answered within total duration of 3 hours)

LONG ESSAYS 1 x 10 = 10 Marks

1. Write in detail about Catheter associated Urinary tract infections in patients. Add a note on predisposing conditions and preventive measures.

SHORT ESSAYS (Question No. 4 choice) 5 x 5 = 25 Marks

2. Briefly explain working principle, uses and control of Autoclave.
3. Briefly describe hospital acquired infections.
4. Hand washing techniques.
   OR
   Infections caused by Streptococcus species.
5. Morphology and mode of transmission of Hepatitis B
6. Laboratory diagnosis of HIV.

SHORT ANSWER (Question No.9 choice) 5 x 3 = 15 Marks

7. Gaseous disinfectants.
8. Sterilization indicators.
9. **varicella – zoster virus**
   OR
   Name three infections caused by Salmonella.
10. Name three drug resistant bacteria.
11. Rinse sampling technique.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Cardiac Care Technology Degree Examination – 28-Dec-2022

Time: Three Hours | Max. Marks: 100 Marks

Introduction to Cardiac Care Technology (RS-3)

Q.P. CODE: 3274

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) 2 x 10 = 20 Marks

1. Describe stepwise approach to ECG.
2. Discuss about Doppler Echocardiography principles.
   OR
   Explain Holter Monitoring in detail.

SHORT ESSAYS (Question No 5 & 10 choice) 10 x 5 = 50 Marks

3. Write a note on TMT procedure steps.
4. Write a note on Fascicular blocks.
5. Write a note on sterilization techniques in the Cathlab.
   OR
   Describe hazards in cathlab caused by X-ray and how do you overcome it.
6. Describe biological effects of ultrasound.
7. ECG in AV blocks.
8. **Write a note on Artifacts of ECG**
9. Define AV blocks types and its management.
10. Write a note on physiological exercise changes and changes seen on ECG.
    OR
    Describe ECG features of LBBB with MI in detail.
11. Explain pressure overloaded RVH in detail.
12. **Write a note on Echo cardiographic modes in detail.**

SHORT ANSWER 10 x 3 = 30 Marks

13. Bazetts formula.
14. Morris Index
15. Mention any three causes for pressure overloaded LVH.
16. Mention three causes for RA volume overload.
17. Mention three causes for RVH.
18. Mention any three indications for Holter Monitoring.
19. What are the ECG features of Biatrial Enlargement?
20. What are the ECG features of SA nodal dysfunction?
21. Describe any three causes for Tachycardia.
22. Describe standardization in detail.

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Rajiv Gandhi University of Health Sciences, Karnataka

Second Year B.Sc. Cardiac Care Technology Degree Examination – 30-Dec-2022

Time: Three Hours | Max. Marks: 100 Marks

Medicine Relevant to Cardiac Care Technology (RS-3)

Q.P. CODE: 3275

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question Choice) 2 x 10 = 20 Marks

1. Explain types of cardiomyopathies in detail and their management.
2. Explain bleeding disorders in detail and write a note on its management.
   OR
   Classify Hypertension and describe its management briefly.

SHORT ESSAYS (Question No 5 & 10 choice) 10 x 5 = 50 Marks

3. Write a note on Disease of Aorta and its management.
4. Briefly describe the concepts of obstructive vs restrictive pulmonary diseases.
5. Briefly describe signs and symptoms of Acute MI.
   OR
   Describe pulmonary edema in detail.
6. Write a note on management of end stage renal failure.
7. Describe obesity in detail.
8. Write a note on LV failure pathophysiology, etiology and management.
9. Describe types of CNS disorders.
10. Explain sympathetic and parasympathetic system.
    OR
    Discuss about VSD and its management.
11. Write a note on classification of CHD and its pathophysiology.
12. Discuss about anemia and its management.

SHORT ANSWER 10 x 3 = 30 Marks

13. Describe lab diagnosis of Bleeding disorders.
14. Mention any three causes of IHD.
15. Describe etiology of RHD.
16. Describe types of Hypertension.
17. Mention any three causes for obesity?
18. Mention three causes for renal failure.
19. Describe pathophysiology of COPD.
20. Write a note on atherosclerosis.
21. Mention the symptoms of peripheral vascular disease.
22. **Jaundice**

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