

## B.SC. ALLIED HEALTH SCIENCE

### PROPOSED SCHEME OF EXAMINATION

#### SEMESTER – I

(COMMON SCHEME FOR ANAESTHESIA TECHNOLOGY, CARDIAC TECHNOLOGY, MEDICAL LABORATORY TECHNOLOGY, RENAL DIALYSIS TECHNOLOGY, RADIOLOGY AND IMAGING SCIENCE TECHNOLOGY AND PERFUSION TECHNOLOGY)

| S. No | Paper                                       | Hrs/ Sem |    | Evaluation (Marks)                |   |   |     |       |         |
|-------|---|----------|----|-----------------------------------|---|---|-----|-------|---------|
|       |   | L        | P  | Continuous Assessment (Internals) |   | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |    | T                                 | P | T   | P   |       |         |
| 1.    | Anatomy (UE)                                | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 2.    | Physiology (UE)                             | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 3.    | Biochemistry (UE)                           | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 4.    | Basics in Medical Physics& Electronics (UE) | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 5.    | English and Communication skills (IE)       | 60       | -  | 20                                | - | 60*   | -   | 80    | 4       |
| 6.    | Introduction to computers (IE)              | 30       | 30 | 10                                | 5 | 30*   | 15* | 60    | 3       |

Total No. of Hours – 480 Hours

Total No. of Credits – 27

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – II**

(COMMON SCHEME FOR ANAESTHESIA TECHNOLOGY, CARDIAC TECHNOLOGY, MEDICAL LABORATORY TECHNOLOGY, RENAL DIALYSIS TECHNOLOGY, RADIOLOGY AND IMAGING SCIENCE TECHNOLOGY AND PERFUSION TECHNOLOGY)

| S. No | Paper   | Hrs/ Sem |    | Evaluation (Marks)                |   |   |     |       |         |
|-------|---|----------|----|-----------------------------------|---|---|-----|-------|---------|
|       |   | L        | P  | Continuous Assessment (Internals) |   | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |    | T                                 | P | T   | P   |       |         |
| 1.    | Microbiology (UE)                                 | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 2.    | Pathology (UE)                                    | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 3.    | Pharmacology (UE)                                 | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 4.    | Environmental Science and Community Medicine (UE) | 60       | 30 | 20                                | 5 | 60  | 15  | 100   | 5       |
| 5.    | Medical Ethics & Safety (IE)                      | 60       | -  | 20                                | - | 60*   | -   | 80    | 4       |
| 6.    | Statistics and research methodology (IE)          | 30       | 30 | 10                                | 5 | 30*   | 15* | 60    | 3       |

Total No. of Hours – 480 Hours

Total No. of Credits – 27

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION SEMESTER –III (CARDIAC TECHNOLOGY)**

| S. No | Paper   | Hrs/Sem |     | Evaluation (Marks)                |    |  |     |       |         |
|-------|---|---------|-----|-----------------------------------|----|--|-----|-------|---------|
|       |   | L       | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department* Exams) |     | Total | Credits |
|       |   |         |     | T                                 | P  | T  | P   |       |         |
| 1.    | Applied Anatomy & Physiology related to Cardiology - Theory (UE)        | 60      | -   | 20                                | -  | 60   | -   | 80    | 4       |
| 2.    | Applied Anatomy & Physiology related to Cardiology - Practical (UE)     | -       | 120 | -                                 | 20 | -  | 60  | 80    | 4       |
| 3.    | Pharmacology related to Cardiology Theory (UE)                          | 60      | -   | 20                                | -  | 60   | -   | 80    | 4       |
| 4.    | Pharmacology related to Cardiology Practical (UE)                       | -       | 120 | -                                 | 20 | -  | 60  | 80    | 4       |
| 5.    | Basic Principles of Hospital Management (IE)                            | 60      | -   | 20                                | -  | 60*  | -   | 80    | 4       |
| 6.    | Comprehensive viva : Applied Anatomy , Physiology and pharmacology (IE) | -       | 180 | -                                 | 25 | -  | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – IV (CARDIAC TECHNOLOGY)**

| S. No | Paper   | Hrs/Sem |     | Evaluation (Marks)                |    |  |     |       |         |
|-------|---|---------|-----|-----------------------------------|----|--|-----|-------|---------|
|       |   | L       | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department* Exams) |     | Total | Credits |
|       |   |         |     | T                                 | P  | T  | P   |       |         |
| 1.    | Concepts of disease and outlines of clinical evaluation related to Cardiac Technology Paper- I – Theory (UE)    | 60      | -   | 20                                | -  | 60   | -   | 80    | 4       |
| 2.    | Concepts of disease and outlines of clinical evaluation related to Cardiac Technology Paper- I Practical (UE)   | -       | 120 | -                                 | 20 | -  | 60  | 80    | 4       |
| 3.    | Concepts of disease and outlines of clinical evaluation related to Cardiac Technology Paper- II –Theory (UE)    | 60      | -   | 20                                | -  | 60   | -   | 80    | 4       |
| 4.    | Concepts of disease and outlines of clinical evaluation related to Cardiac Technology Paper- II –Practical (UE) | -       | 120 | -                                 | 20 | -  | 60  | 80    | 4       |
| 5.    | Health Care Management (IE)   | 60      | -   | 20                                | -  | 60*  | -   | 80    | 4       |
| 6.    | Clinical in cardiac diseases : comprehensive viva internal (IE)   | -       | 180 | -                                 | 25 | -  | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – V (CARDIAC TECHNOLOGY)**

| S. No | Paper   | Hrs/Sem |     | Evaluation (Marks)                |    |  |     |       |         |
|-------|---|---------|-----|-----------------------------------|----|--|-----|-------|---------|
|       |   | L       | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department* Exams) |     | Total | Credits |
|       |   |         |     | T                                 | P  | T  | P   |       |         |
| 1.    | Cardiac Technology (ECG, Stress, Holter and Basic of Echo)-Paper – 1Theory (UE)                   | 60      | -   | 20                                | -  | 60   | -   | 80    | 4       |
| 2.    | Cardiac Technology (ECG, Stress, Holter and Basic of Echo)-Paper – 1 Practical (UE)               | -       | 120 | -                                 | 20 | -  | 60  | 80    | 4       |
| 3.    | Cardiac Technology (ECG, Stress, Holter and Basic of Echo) – Paper –II Theory (UE)                | 60      | -   | 20                                | -  | 60   | -   | 80    | 4       |
| 4.    | Cardiac Technology (ECG, Stress, Holter and Basic of Echo) – Paper –II Practical (UE)             | -       | 120 | -                                 | 20 | -  | 60  | 80    | 4       |
| 5.    | Hospital Products, Promotion, Sales & Public relations (or) Physician's Office Management (IE)    | 60      | -   | 20                                | -  | 60*  | -   | 80    | 4       |
| 6.    | Clinicals in Cardiac Technology (ECG, Stress, Holter and Basic of Echo) : comprehensive viva (IE) | -       | 180 | -                                 | 25 | -  | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – VI (CARDIAC TECHNOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Cardiac Technology (Echo, Color Doppler, Stress ) Paper – I Theory - (UE)                | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Cardiac Technology (Echo, Color Doppler, Stress ) Paper – I practical (UE)               | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Cardiac Technology (Echo, Color Doppler, Stress ) Paper –II -Theory (UE)                 | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Cardiac Technology (Echo, Color Doppler, Stress ) Paper –I I- practical (UE)             | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Trauma &Cardiac Life Support (IE)  | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Cardiac Technology (Echo, Color Doppler, Stress ) : comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – III (ANESTHESIA TECHNOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Applied Anatomy & Physiology related to Anesthesia Technology –Theory (UE)                           | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2     | Applied Anatomy & Physiology related to Anesthesia Technology Practical (UE)                         | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3     | Pharmacology related to Anesthesia Technology- Theory (UE)   | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4     | Pharmacology related to Anesthesia Technology - Practical (UE)                                       | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Basic Principles of Hospital Management (IE)   | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Comprehensive viva : Applied anatomy, physiology, pharmacology related to Anesthesia Technology (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – IV (ANESTHESIA TECHNOLOGY)**

| S. No | Paper   | Hrs/<br>Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|-------------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L           | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |             |     | T                                 | P  | T   | P   |       |         |
| 1.    | Principles and equipments related to anesthesia technology - Theory (UE)                                      | 60          | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Principles and equipments related to anesthesia technology -Practical (UE)                                    | -           | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Principles of Sterilization techniques –Theory (UE)   | 60          | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Principles of Sterilization techniques -Practical (UE)  | -           | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Health Care Management (IE)   | 60          | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinical in Sterilization techniques and equipments related to anesthesia technology: Comprehensive viva (IE) | -           | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.



**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – V (ANESTHESIA TECHNOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Concepts of diseases and techniques in regional & general anesthesia including complications –Theory (UE)    | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Concepts of diseases and techniques in regional & general anesthesia including complications –Practical (UE) | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Anesthesia Techniques including complications –Theory (UE)   | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Anesthesia Techniques including complications- Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Hospital Products, Promotion, Sales & Public relations (or) Physician's Office Management (IE)               | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in techniques in regional & general anesthesia: comprehensive viva (IE)                            | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – VI (ANESTHESIA TECHNOLOGY)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Anesthesia for specialties (Including Critical Care Assistance and Ventilation ) Paper – I Theory (UE)                  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Anesthesia for specialties (Including Critical Care Assistance and Ventilation ) Paper – I Practical (UE)               | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Anesthesia for specialties (Including Critical Care Assistance and Ventilation ) Paper –II Theory (UE)                  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Anesthesia for specialties (Including Critical Care Assistance and Ventilation ) Paper –II Practical (UE)               | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Trauma & Cardiac Life Support (IE)  | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Anesthesia for specialties (Including Critical Care Assistance and Ventilation ) : Comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – III (RADIOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Anatomy, Physiology, Pathology and Pharmacology related to Radiology-Theory (UE)               | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Anatomy, Physiology, Pathology and Pharmacology related to Radiology – Practical (UE)          | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Radiological Physics and Dark Room Techniques Theory (UE)                                      | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Radiological Physics and Dark Room Techniques Practical (UE)                                   | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Basic Principles of Hospital Management (IE)   | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Comprehensive viva : Anatomy, Physiology, Pathology and Pharmacology related to Radiology (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – IV (RADIOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Radiology equipments -Theory (UE)  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Radiology equipments- Practical (UE)   | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Positioning Radiography and Contrast Procedures - Theory (UE)  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Positioning Radiography and Contrast Procedures- Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Health Care Management (IE)  | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Radiology equipments and Positioning Radiography and Contrast Procedures: Comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – V (RADIOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Basic and Advanced Ultra Sound Imaging - Theory (UE)   | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Basic and Advanced Ultra Sound Imaging - Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Basic and Advanced CT Scan -Theory (UE)  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Basic and Advanced CT Scan - Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Hospital Products, Promotion, Sales & Public relations (or) Physician's Office Management (IE) | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6     | Clinicals in Basic and Advanced Ultra Sound Imaging : comprehensive viva (IE)                  | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – VI (RADIOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Basics and advanced MRI – Theory (UE)  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Basics and advanced MRI – Practical (UE)   | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Intervention Radiological procedure and Basic angiography- Theory (UE)                 | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Intervention Radiological procedure and Basic angiography - Practical (UE)             | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Trauma & Cardiac Life Support (IE)   | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in advanced MRI and Intervention Radiological procedure : comprehensive (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – III (RENAL DIALYSIS)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Applied Anatomy & Physiology related to Dialysis Technology - Theory (UE)                | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Applied Anatomy & Physiology related to Dialysis Technology - Practical (UE)             | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Pharmacology related to Dialysis Technology - Theory (UE)                                | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Pharmacology related to Dialysis Technology- Practical (UE)                              | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Basic Principles of Hospital Management (IE)   | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Comprehensive viva : Applied Anatomy & Physiology, Pharmacology related to Dialysis (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – IV (RENAL DIALYSIS)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Concepts of disease and outlines of clinical evaluation related to Dialysis Technology Paper- I - Theory (UE)      | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Concepts of disease and outlines of clinical evaluation related to Dialysis Technology Paper- I - Practical (UE)   | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Concepts of disease and outlines of clinical evaluation related to Dialysis Technology Paper- II - Theory (UE)     | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Concepts of disease and outlines of clinical evaluation related to Dialysis Technology Paper- II - Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Health Care Management (IE)  | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in concepts and outlines of clinical evaluation related to Dialysis Technology : Comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.



**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – V (RENAL DIALYSIS)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Dialysis Technology – Part – I - Paper – I- Theory (UE)                                       | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Dialysis Technology – Part – I - Paper – I Practical(UE)                                      | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Dialysis Technology – Part – I - Paper –II Theory(UE)   | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Dialysis Technology – Part – I - Paper –II Practical(UE)                                      | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Hospital Products, Promotion, Sales & Public relations (or)Physician’s Office Management (IE) | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Dialysis Technology: Comprehensive viva (IE)                                     | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER -VI (RENAL DIALYSIS)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Dialysis Technology - Part - II Paper – I - Theory (UE)    | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Dialysis Technology - Part - II Paper – I – Practical (UE) | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Dialysis Technology - Part - II Paper – II Theory (UE)     | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Dialysis Technology - Part - II Paper – II Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Trauma & Cardiac Life Support (IE)                         | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Dialysis Technology: comprehensive viva (IE)  | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – III (MEDICAL LAB TECH)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     | Total | Credits |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     |       |         |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Histopathology - Theory (UE)  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Histopathology- Practical (UE)  | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Cytology – Theory (UE)  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Cytology – Practical (UE)   | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Basic Principles of Hospital Management (IE)                          | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Histopathology and Cytology :<br>Comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – IV (MEDICAL LAB TECH)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Clinical pathology (Hematology & Urine Analysis - Theory (UE)              | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Clinical pathology (Hematology & Urine Analysis – Practical (UE)           | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Blood banking and Immunology- Theory (IE)                                  | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Blood banking and Immunology – Practical (IE)                              | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Health Care Management (IE)  | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Clinical pathology and Blood banking: comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – V (MEDICAL LAB TECH)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Paper – I General Bacteriology, Immunology and Systematic Bacteriology - Theory (UE)            | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Paper – I General Bacteriology, Immunology and Systematic Bacteriology - Practical (UE)         | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Paper – II Virology, Mycology and Parasitology - Theory (UE)                                    | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Paper – II Virology, Mycology and Parasitology - Practical (UE)                                 | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Hospital Products, Promotion, Sales & Public relations (or) Physician's Office Management (IE)  | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in General Bacteriology, Immunology , Virology and Mycology : comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION 2012 -2013**  
**SEMESTER – VI (MEDICAL LAB TECH)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Clinical Chemistry Paper – I – Theory (UE)                | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Clinical Chemistry Paper – I – Practical (UE)             | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Clinical Chemistry Paper – II – Theory (UE)               | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Clinical Chemistry Paper – II – Practical (UE)            | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Trauma & Cardiac Life Support (IE)                        | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Clinical Chemistry : comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER –III (PERFUSION TECHNOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Applied Anatomy & Physiology related to Cardiac Perfusion Technology – Theory (UE)                   | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Applied Anatomy & Physiology related to Cardiac Perfusion Technology - Practical (IE)                | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Applied Pathology, Hematology & Pharmacology related to Cardiac Perfusion Technology –Theory (UE)    | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Applied Pathology, Hematology & Pharmacology related to Cardiac Perfusion Technology –Practical (IE) | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Basic Principles of Hospital Management (IE)   | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Comprehensive viva Applied Anatomy & Physiology related to Cardiac Perfusion : (IE)                  | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – IV (PERFUSION TECHNOLOGY)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Basics of Perfusion Technology – Paper I - Theory (UE)              | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Basics of Perfusion Technology – Paper I - Practical (UE)-          | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Basics of Perfusion Technology – Paper II – Theory (UE)             | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Basics of Perfusion Technology – Paper II Practical (UE)            | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Health Care Management (IE)   | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Basics of Perfusion Technology comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.



**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – V (PERFUSION TECHNOLOGY)**

| S. No | Paper  | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|--|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |  | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |  |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Principles of Perfusion Technology – Paper I Theory (UE)                                       | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Principles of Perfusion Technology – Paper I Practical (UE)                                    | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Principles of Perfusion Technology – Paper II Theory (UE)                                      | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Principles of Perfusion Technology – Paper II Practical (UE)                                   | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Hospital Products, Promotion, Sales & Public relations (or) Physician's Office Management (IE) | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Principles of Perfusion Technology : comprehensive viva (IE)                      | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTER – VI (PERFUSION TECHNOLOGY)**

| S. No | Paper   | Hrs/ Sem |     | Evaluation (Marks)                |    |   |     |       |         |
|-------|---|----------|-----|-----------------------------------|----|---|-----|-------|---------|
|       |   | L        | P   | Continuous Assessment (Internals) |    | End Semester Examination (University/ Department * Exams) |     | Total | Credits |
|       |   |          |     | T                                 | P  | T   | P   |       |         |
| 1.    | Perfusion Technology –Applied Theory (UE)                   | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 2.    | Perfusion Technology –Applied - practical (UE)              | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 3.    | Perfusion Technology – Advanced (UE)- Theory                | 60       | -   | 20                                | -  | 60  | -   | 80    | 4       |
| 4.    | Perfusion Technology – Advanced (UE) –practical             | -        | 120 | -                                 | 20 | -   | 60  | 80    | 4       |
| 5.    | Trauma &Cardiac Life Support (IE)                           | 60       | -   | 20                                | -  | 60*   | -   | 80    | 4       |
| 6.    | Clinicals in Perfusion Technology : comprehensive viva (IE) | -        | 180 | -                                 | 25 | -   | 75* | 100   | 5       |

Total No. of Hours – 600 Hours

Total No. of Credits – 25

\* These examinations shall be conducted by the respective department.

**PROPOSED SCHEME OF EXAMINATION  
SEMESTERS - VII & VIII**

# **Internship**

- ANAESTHESIA TECHNOLOGY
- CARDIAC TECHNOLOGY
- MEDICAL LABORATORY TECHNOLOGY
- RENAL DIALYSIS TECHNOLOGY
- RADIOLOGY AND IMAGING SCIENCE TECHNOLOGY &
- PERFUSION TECHNOLOGY
- BLOOD BANKING TECHNOLOGY