

## **DIPLOMA IN OPERATION THEATRE TECHNOLOGY (DOTT)**

**Syllabus (Detailed Syllabus will be available from the Directorate of Medical Education, Thiruvananthapuram by paying an amount of Rs.50/- as DD in favour of Secretary, paramedical council payable at SBT Main Branch , Thiruvananthapuram).**

### **1) Duration of the course and structure**

The duration of the course shall be two years. The course shall be conducted under the Department of Anesthesiology. The course shall be completed in 4 semesters. There shall be theory classes and practical training and resident duty during the course.

### **2) Subjects**

Paper I - basic sciences including pharmacology

Paper II - biomedical equipments

Paper III - operation theatre technique

### **Evaluation Procedure**

Continuous evaluation through internal assessment examination and final examination at the end of the course consisting of theory and practical.

#### **3. Instructional Nature**

Theory classes & Practical training

A. Operation theatre training – 15 months

B. 8 months training in the biomedical engineering section in maintenance of the theatre equipment, hospital pipeline systems, gas manifold, vacuum outlets, theatre lights, tables and electrocautery.

C. CSSD – One month

Candidates shall be posted under the Nursing supervisor CSSD for training in all aspects of sterilization of the equipment (including surgical instruments) used in the operation theatre.

D. Resident Duty

Candidates shall have 24 hrs. resident duty in the hospital for training in emergency surgical procedures and gas pipeline emergencies.

E. Internship

### **4. What is expected of the student at the end of the course**

A student shall acquire knowledge and skill to act as personnel for the maintenance of theatre equipments including the pipeline systems. They shall also be capable of assisting in the recovery room and intensive care room.

### **5. Requirements for satisfying competition of the subject study :-**

a. Attendance : Minimum 80% attendance in theory and practical

b. Maintenance of record – Records shall be maintained and submitted at the end of the course duly certified by the HOD.

c. Progress evaluation :- Regular internal assessment at the end of each semester – and shall secure minimum 50% to become eligible to appear for the final examination.

d. Certificate of satisfactory completion of the course by Head of the Department.

## 6. Evaluation

### 1. Scheme of internal assessment

Regular internal assessment through written test and practical examination at the end of each year – conducted by the concerned departments dealing with the topics.

Marks obtained in internal assessment examination shall be computed for presentation at the final examination.

### 2. Final examination

a) Authority to conduct the examination :

The Director of Medical Education

b) Frequency :

Regular examination shall be conducted at the end of the course.

Supplementary examination shall be conducted six months after the regular examination.

c) Scheme of Regular examination

At the end of the course regular examination shall be conducted in theory and practical.

b) Marks

Subjects Minimum Marks for a

pass

Maximum marks

#### Theory

Paper I

Basic Science including Pharmacology

45

100

Paper II

Biomedical Equipments

45

100

Paper III

Operation Theatre Techniques

45

100

Internal Assessments 20 50

Total 175 350

Practical 50 100

Viva-Voce 20 50

Total 75 150

Grand Total 250 500

e) Criteria for a pass in the subject

Minimum of 45% in the theory including viva voce and internal assessment. Minimum of 50% in the practical including internal assessment Minimum of 50% for the subject in aggregate.

f) Awarding class and ranks

Candidates scoring 65% and above shall be awarded first class.

Candidates scoring 75% and above shall be awarded distinction.

Candidate who score highest marks in aggregate shall be awarded first rank at the end of the

course.

### **3. Scheme of supplementary examination**

Students who fail in the regular examination can appear for a supplementary examination, six months after the regular examinations.

The Scheme of examination will be same as that of the regular examination.

No additional instructional period is necessary to become eligible for supplementary examination.

### **4. Eligibility criteria for appearing for the final examination**

- i) Shall have minimum 80% attendance in theory and practical.
- ii) Shall submit completed and duly certified records.
- iii) Shall have scored minimum 50% marks in the internal assessment examination.
- iv) Shall submit a certificate of satisfactory completion of course from the Head of the Department.

### **5. Examiners**

- i) Qualification – Minimum MBBS with MD Anesthesiology with three years experience
- ii) Number of examiners for theory and practical – two, one internal and external.