



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax : 0651-2544027

E-mail: jspcranchi@gmail.com

SYLLABUS OF DIPLOMA IN O.T. ASSISTANT COURSE

PAPER -I (PART- A)

[BASIC MEDICAL SCIENCES]

Must develop some skills and learn common medical terminology.

Hospital awareness -

General patient care-

- Patients caring (Knowledge of nursing of patient)
- Vital signs.
- Admission discharge procedure
- Maintenance of records.
- There should be exposure to patient care.
- Development of Ethical values and overall professional sense.

Computer awareness -

Computer basics- MS Word/ MS Excel/MS Powerpoint

Internet Browsing/ Downloading/ Uploading

1. **General Foundation course**

- Health Disease and Environment.
- Health care delivery system.
- Hospital organization
- Patient related services.
- Registration OPD & IPD

2. **Basic Human Science**

- Human Anatomy -
- Physiology -
- Bio Chemistry - (Knowledge of different organs with their functions)
- Pathology
- Pharmacology

• PAPER -I (PART- B)

1. Role of O.T. Technician

2. Introduction to Anaesthesia

- Anesthetic agents (IV/inhalation)
- Pre-anesthetic medication.
- Local Anesthesia
- Muscle relaxant.
- Management of difficult airway.
- Complications of anesthesia.

3. Minor Operative Procedures

- Minor OT Procedures
- Venipuncture & Venous cannulation
- Infusion tubing
- Complication of I.V. therapy
- Technique of CVP

4. Major operative procedures

- Technique of scrubbing patient & self.
- Awareness about surgical shock & assessment
- Post operative exercise.
- Post Operative management of patient.



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax : 0651-2544027

E-mail: jspcranchi@gmail.com

SYLLABUS OF DIPLOMA IN O.T. ASSISTANT COURSE

THEORY PAPER-II

PART A

- Instruments & equipment used for anaesthesia- Cannula, Mask, tent, Ambubag, Ventilators, IPPB, Endotracheal tube, Nebulizer, Spirometer.
- Transfer activities, Crutch walking, Management of pressure sore.
- Hand washing technique, Gown techniques, Setting up OT, Sterilization of OT.
- Dressing and bandages.
- Operation procedure techniques.
- Different positions of patient for operation.
- Instruments for OT (General/Special)
- General surgery sets.

PART B

- Instruments & Procedures related to surgery (General)
- Instruments & Procedures related to gynecological operation.
- Instruments & Procedures related to orthopaedic operation.
- Instruments & Procedures related to ophthalmic (Eye) operation.
- Instruments & Procedures related to ENT
- Instruments & Procedures related to URO surgery.
- Instruments & Procedures related to Neuro Surgery.
- Instruments & Procedures related to Plastic Surgery.
- Instruments & Procedures related to Cardio vascular surgery.