



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax:0651-2544027

E-mail: jspcranchi@gmail.com

Basics of Computer (Practical)

Module 1: Introduction to Microsoft Word

Type a text of document save the document. Align the text with different formats. Align the text with different formats using Microsoft Word. Inserting a table ensuring Proper alignment of the table using MS word.

Module 2: Microsoft Power Point

Preparing a slide show with transition, animation and sound effect using MS – Power point. Customizing the slide show by inserting pictures and tables in the slides using MS – Power Point.

Module 3: Introduction to the Internet

Create an e – mail account. Use the internet to search for a subject of interest.

Theory Paper II (100 Marks)

Part A (50 marks)

Diploma in Anaesthesia Technician

Section I

1. Basic Concepts
 - (i)Anatomy of Heart and blood vessels
 - (ii) coronary circulation
 - (iii) Peripheral circulation
 - (iv) cardiac cycle
 - (v) Cardiac output
 - (vi) Blood Pressure
 - (vii) Basis of ECG
2. Respiratory System
 - (i)Anatomy of larynx, Trachea, Diaphragm Lungs, Bronchus Pulmonary Segment
 - (ii) Mechanism of breathing
 - (iii) control of respiration
 - (iv) Assisted ventilation
 - (v) Artificial Ventilation
 - (vi) Hypoxia
 - (vi) Pulmonary function Test
3. Central Nervous System
 - (i)Anatomy of Brain and Spiral cord
 - (ii) Epidural Spaces
 - (iii) Autonomic nervous System
 - (iv) Nerve conduction
 - (v) Neuromuscular Transmission
 - (vi)CSF Circulation



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax:0651-2544027

E-mail: jspcranchi@gmail.com

- (vii) Intracranial Pressure
- 4. Excretory System
 - (i) Anatomy of kidney and ureter
 - (ii) urinary bladder
 - (iii) Urine formation
 - (iv) Renal function tests
 - (v) Excretion of drug
- 5. Musculo Skeletal System
 - Neuromuscular Junction
- 6. Gastro intestinal System

Anatomy of oropharynx, Tongue, oesophagus, Stomach, intestine, liver & Pancreas

- 7. Drugs Related to Anesthesia
 - (i) Premedication
 - (ii) Intravenous Drugs
 - (iii) Inhalation Drugs
 - (iv) Cardiac Drugs
 - (v) Diuretics
 - (vi) Bronchodilator
 - (vii) Corticosteroids
 - (viii) IV fluid
 - (ix) Doses of drug
- 8. Blood transfusion

Section II

- 1. History of anesthesia
- 2. Anesthesia Machine and equipments
 - (i) Central gas pipeline System
 - (ii) Boyle's Apparatus
 - (iii) Vapourisers
 - (iv) Intubation equipments
 - (v) Monitoring equipments
 - (vi) Mechanical Ventilators
- 3. Operation Theatre
 - (i) Designing of Operation theater (OT)
 - (ii) Functioning of OT
 - (iii) Inflow and outflow of patients



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax:0651-2544027

E-mail: jspcranchi@gmail.com

- (iv) Placement of equipments
- (v) care and Sterilisation of equipments
- (vi) Drug placement and diuretics
- 4. Pre operation assessment
- 5. Patient consent & High wish consent
- 6. Premedication
- 7. I V Cannulation
- 8. I V Fluids and blood transfusion

Part B (50 Marks)

Section I

- 1. Concept of anesthesia
General / Regional / Local
- 2. Monitoring in anesthesia
 - (i) Intraoperative
 - (ii) Post operative
- 3. Anesthesia alteration in co – existing medical disease
Anesthesia For
 - (i) Cardio vascular disease
 - (ii) Respiratory disease
 - (iii) Central nervous system disease
 - (iv) Neuromuscular disease
 - (v) hepatic disease
 - (vi) renal disease including chronic renal failure
 - (vii) Endocrine disorders
 - (viii) Patients with electrolyte imbalance and blood disorders

Section II

- 1. Subspecialty anesthesia management
Anesthesia For
 - (i) Obese Patients
 - (ii) Obstetrics
 - (iii) Pediatric Patients
 - (iv) Geriatric Patients
 - (v) Ophthalmic Surgeries
 - (vi) ENT Surgeries
 - (vii) Laparoscopy
 - (viii) Orthopedic Patients
 - (ix) Neurosurgical Surgeries



Jharkhand State Paramedical Council

RIMS Campus, Bariatu, RANCHI 834009

Tele-Fax:0651-2544027

E-mail: jspcranchi@gmail.com

- (x) Management of burn Patient
- 2. Pain Management
- 3. Cardio respiratory Care
 - (i) Intensive care management
 - (ii) Acid base abnormalities
 - (iii) Cardio respiratory resuscitation (CPR)
- 4. Anesthesia Record keeping
 - (i) Pre anesthetic evaluation record
 - (ii) Intra operative monitoring record
 - (iii) Post operative record for 24 hour
 - (iv) Statistics

PRATICAL : (100 MARKS)

VIVA : (100 MARKS)





झारखण्ड राज्य पारामेडिकल परिषद

Jharkhand State Paramedical Council

रिम्स चिकित्सक आवास परिसर, बरियातु, राँची-834009, झारखण्ड, भारत
RIMS Doctors' Colony Campus, Bariatu, Ranchi-834009, Jharkhand, India

E-mail: jspcranchi@gmail.com Tele-Fax:—0651—2972681



(Constituted by the Department of Health, Medical Education & family Welfare, Government of Jharkhand vide Notification no- 7(A)/Paramed.-11-09/09-356(7A)Ranchi, Dated 17.9.2010)

सभी डिप्लोमा पाठ्यक्रमों का Paper-I, Common रहेगा, जबकी
विषयवार Paper-II का सिलेबस अलग-अलग रहेगा।
