

COURSE TITLE: PRE-OPERATIVE MEDICATION, ASSESSMENT & EQUIPMENTS AND CLINICAL PRACTICE

STUDY HOURS:	60+160	MARKS	
PAPER:	01	THEORY	120
Term :	4th	PRACTICAL:	30
		TIME :	03HRS
	COURSE CONTENTS	STUDY HOURS	
		(Theory +Practical)	

- A. PRE-OPERATIVE MEDICATION & ASSESSMENT 30+40**
- A1. Objectives of pre-operative medications,
 - A2. Drug and their mode of action
 - A3. Benzodiazepines
 - A4. Diazepam
 - A5. Midazolam
 - A6. Lexatonil
 - A7. Opioids:
 - A8. Phenothiazine
 - A9. Anticholinergics
 - A10. Atrophine, pyrolate
 - A11. Beta-blockers
 - A12. Inotroes:
 - A13. Dopamine
 - A14. Dubutamine
 - A15. Adrenaline
 - A16. Ephedrine
- B. EQUIPMENTS: 30+40**
- B1. Anesthesia machin
 - B2. (Maintenance, Operating and disinfections)
 - B3. Anesthesia circuits
 - B4. Ventilators (Brief Introduction)
 - B5. Gas supply, cylinders
 - B6. Pipeline
 - B7. Liquid oxygen
 - B8. Soda lim
 - B9. Venturi injector device
 - B10. Savenging system

C. PRACTICAL

80

(Practical work in different operation theater)

- C1. General surgery
- C2. Neuro surgery
- C3. Cardio vascular surgery
- C4. Cardio thorax surgery

Recommended Books:

1. A practice of Anesthesia Wylie And Churchill Davidson's
2. Hazards And Complications of Anesthesia by T.H Taylor
3. Practical Anesthesia for Surgical Emergency by Peter W. Jackson
4. Anatomy and Physiology for Nurses by Evelyn C.Pearce
5. Clinical Anesthesiology by Morgon Publisher MC Graw Health 3rd Edition in 2005
6. Pharmacology by Shameem

Reference Books:

1. Pharmacology and Medical Physiology in Anesthesia by Robert K
2. Text of Anesthesia by Alan R. Atkin by Churchill
3. Clinical Anatomy for medical students by Richard Smell

**COURSE TITLE: ANESTHESIA, COEXISTING DISEASES & SHOCK AND
CLINICAL PRACTICE**

STUDY HOURS:	60+160	THEORY	120
PAPER:	02	PRACTICAL:	30
TERM:	4th	TIME	: 03HRS

**COURSE CONTENTS STUDY HOURS
(Theory +Practical)**

A. Shock 30+20

- Brief introduction of the following
- A1. Different types & treatment
- A2. Assessment of difficult airway
- A3. Laryngeal masks
- A4. Management of patient with full stomach
- A5. Blood transfusion, Crystalloids, Colloids
- A6. Cardiopulmonary resuscitation

B. Anesthesia & coexisting diseases (Brief Introduction) 30+40

- B1. Ischemic heart diseases
- B2. Hypertension
- B3. Diabetes mellitus
- B4. Chronic obstructive pulmonary diseases
- B5. Asthma
- B6. Hyperthyroidism
- B7. Hypothyroidism
- B8. Myasthenia gravis
- B9. Hepatic failure
- B10. Chronic renal failure

C. PRACTICAL 100

(practical work in different operation theater)

- C1. Paediatric surgery
- C2. Orthopedic surgery
- C3. Gynec and obstetric surgery
- C4. ENT
- C5. EYE surgery

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