

COURSE TITLE: NEONATAL AND CHILD HEALTH TECHNIQUES–I & CLINICAL PRACTICE

STUDY HOURS: 60+160

PAPER : 01

Term : 3rd

MARKS

THEORY 120

PRACTICAL: 30

TIME: 03HRS

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

A. Anatomy & Physiology Related to Neonatal & Child 4

A1. SURFACE ANATOMY

A1.1 .Knowledge of various bony and soft land marks on body.

A1.2. Correlation of these marks with deep structures.

A1.3. Surface marking of various deep structures in body.

A1.4 Measurements in limbs- recognition of various parts in limbs, abdomen, thorax, head & neck.

A2. Digestive System: 6+10

A2.1 Mouth

A2.2 Pharynx esophagus

A2.3 Gastrointestinal tract

A2.4 Associated glands, salivary glands, liver, pancreas

A3. Respiratory System: 4+10

A3.1 Nasophayrnx

A3.2 Larynx

A3.3 Trachea

A3.4 Bronchi

A3.5 Lungs & its Lobes & Segments

A.4 NERVOUS SYSTEM:- 6+10

A4.1 General Orientation of CN.S.

A4.2 Brain & Spinal cord.

A4.3 Sympathetic ¶ sympathetic system.

A4.4 Cranial and peripheral nerves.

A5. Cardio Vascular System **10+10**

A5.1 Heart-Aorta, major arteries of Limbs head, neck, brain, abdomen & thorax.

A5.2 Veins of body

A5.3 Lymphatic

A6 Excretory System / Uro-genital **4+10**

A6.1 Kidney, Urinary Bladder Gonads, Urethra.

A6.2 genital system and reproductive system

B. DEFINITION OF NEONATALOGY/NEONATES **6+10**

B1 Classification of new born

B2 Resuscitation (equipment /drugs)

B3 Resuscitation

B4 Immediate care of the baby

B5 Advantage of Breast feeding

B6 Vaccination.

C. CLASSIFICATION OF NEWBORN **10+10**

C1 New born are classified into 03 main groups;

C2. According to gestational ages which are

C2.1 Full term.

C2.2 Pre term

C2.3 Post term

C3 According to weight which are

C3.1 Normal weight

C3.2 Low birth weight

C3.3 Very low birth weight

C3.4 Externally low birth weight.

C4 According to birth are :

C4.1 Appropriate for gestational age.

C4.2 Small for gestational age

C4.3 Large for gestational age.

D. DEFINITION OF NEONATOLOGY **10+10**

D1 Branches of pediatric medicine in which we study about neonates:

D2 Early Neonates: Up to 07 days of life.

D3 Late neonates: After 07 days of life.

PRACTICAL WORK IN NURSERY & PEADS WARD

80

- Patients receiving
- Patients evaluation
 - Breathing examination
 - Circulatory examination
- Investigation
 - Rutine investigations
 - Special investigations
- Patient management
- Patient Admission
- Patient preparation for resuscitation
- Iv line
- Preparation of Trolley for resuscitation

Recommended Books

- ✓ Foundation of Anatomy & Physiology by Kathleen J.W,Wilson
- ✓ Anatomy & Physiology for Nurses
- ✓ Lippon Cord

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STUDY HOURS: 60+160

PAPER : 2

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MARKS

THEORY 120

PRACTICAL: 30

TIME: 03HRS

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

A CHILD SURVIVAL and clinical practice 20+40

- A1 Monitoring growth and development of the Child during:
- A2 Prenatal (Pregnancy)
- A3 Neo-Natal
- A4 (0-4 Weeks)
- A5 Infancy
- A6 (One Years)
- A7 Pre School
- A8 (1-5 weeks)
- A9 role of MCH Technician
- A10 Visitors in monitoring growth, development and reporting
- A11 Meeting Nutritional Needs of a Child
- A12 Breast Feeding, Weaning
- A13 Diet during Childhood
- A14 Monitoring Nutritional status
- A15 Role of MCH Technician

**B. E.P.I. in Pakistan and clinical practice
10+20**

- B1 Meaning of Immunization
- B2 Types of Vaccines
- B3 Method of Immunization
- B4 Storage of Vaccines
- B5 Cold chain
- B6 Schedule of Immunization
- B7 Vaccination session
- B8 Establishment of Vaccination
- B9 Sterilization of equipment

- B10 Education of mothers on Immunization activities
- B11 Screening of Children and recording the information
- B12 Preparation of Equipment and Vaccines
- B13 Administration of Vaccines
- B14 Follow up Activities
- B15 Disposal of Opened Vaccines
- B16 Record of used and destroyed vaccines
- B17 Submission of periodic reports

C. NEW BORN BABY 6+10

- C1 Definition
- C2 Physiology of the new born and immediate care of new born
- C3 After care of new born:
- C4 Breast feeding, Advantages and Contra indication of breast Feeding, Artificial feeding

D. PREMATURITY & POSTMATURITY 4+10

D1 Prematurity

- D1.1 Definition, Causes, Signs and Prevention.
- D1.2 Management and Nursing care and Complication of prematurity

D 2 Postmaturity. 2+10

- D2.1 Definition, Causes, Signs
- D2.2 Management and Complication of postmaturity.

E. COMPLICATIONS OF NEW BORN 8+20

- E1 Neonatal asphyxia, Birth Injuries and Congenital malformations.
- E2 Infections/diseases, Haemorrhagic diseases and causes of neonatal deaths and Pneumonia.

F. RESUSCITATION TROLLEY EQUIPMENTS 4+10

F1 Size 08,07 N/G tube

F2 UMBU bag with face mask
F3 Larugoscope with 0.1 size blade
F4 Airway
F5 Cord clamp
F6 D/syringes 5cc, 1cc

G. DRUGS:

6

G1 Inj: adrenaline
G2 Inj.Nalaxone
G3 Normal Saline
G4 Soda Bicorb
G5 10% D/Water
G6 Warm Towels.

PRACTICAL

40

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