

4th Year

Basic Medicine & Paediatrics

Objectives:

At the end of the course, the students will be able to

- take basic medical history from adult and children cases with common complaints in a prescribed format
- Perform a routine clinical examination in adult and children cases in a prescribed format
- take basic medical history from emergency cases (adult and children) in a prescribed format
- take basic medical history from critically ill cases (adult and children) in a prescribed format
- Perform a routine clinical examination in emergency cases (adult and children) in a prescribed format
- Perform a routine clinical examination in critically ill and unconscious cases (adult and children) in a prescribed format
- Examine patients for injuries if present in case of RTA patients
- Explain the value of nursing care related to general patient care
- identify and state use of all common types of instruments used in wards and out patients
- do assessment for vital signs in emergency, critically ill and unconscious cases
- make and use growth chart for children
- provide advice and counselling for breast feeding, infant feeding and weaning
- make list of differential diagnoses
- collect specimens for pathological examinations
- make initial probable diagnoses
- List the causes of infant morbidity & mortality in Bangladesh
- provide first line management for routine, emergency, critically ill and unconscious patients
- provide / assist procedural services such as giving injections, introducing catheter/ ryles tube , sterilizing instruments, distributing medicines
- Give first line management of Hyperpyrexia, Dehydration, convulsions, poisoning, surgical emergencies, acute abdominal distension
- refer the patients properly to appropriate place
- Perform competently the following procedure
 - i. all immunization procedures
 - ii. weighting, plotting, weight in chart & graphing
 - iii. mouth to mouth artificial respiration
 - iv. resuscitation of a new born
 - v. passing a Nasogastric tube
 - vi. setting up scalp vein infusion
 - vii. removal of foreign body from ear & nose

List of Competencies to Acquire:

Ability to -

1. take basic medical history from adult and children cases with common complaints in a prescribed format
2. perform a routine clinical examination in adult and children cases in a prescribed format
3. take basic medical history from emergency cases (adult and children) in a prescribed format
4. take basic medical history from critically ill cases (adult and children) in a prescribed format
5. perform a routine clinical examination in emergency cases (adult and children) in a prescribed format
6. perform a routine clinical examination in critically ill and unconscious cases (adult and children) in a prescribed format
7. do assessment for vital signs in emergency, critically ill and unconscious cases
8. make and use growth chart for children
9. provide advice and counselling for breast feeding, infant feeding and weaning
10. make list of differential diagnoses
11. collect specimens for pathological examinations
12. make initial probable diagnoses
13. provide first line management for routine, emergency, critically ill and unconscious patients
14. provide / assist procedural services such as giving injections, introducing catheter/ ryles tube , sterilizing instruments, distributing medicines
15. refer the patients properly to appropriate place
16. perform competently the following procedure
 - all immunization procedures
 - weighting, plotting, weight in chart & graphing
 - mouth to mouth artificial respiration
 - resuscitation of a new-born
 - passing a Nasogastric tube
 - setting up scalp vein infusion
 - removal of foreign body from ear & nose

Subject : Basic Medicine & Paediatrics (1st year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
Part-I A. Examination of Patient : 1. Clinical Examination of: a) Adult case b) Children case	At the end of learning session the students will be able to : a. I) Take basic medical history in a prescribed proforma./ format II) Perform a routine clinical examination b. <u>Weigh</u> a child and graph the weight (Road to health chart) and make an assessment of the nutritional status of Children.	Bed side clinical class Morning session	Hospital Bed side (indoor) & Outdoor	- Oral - Patient - Picture - Multimedia (CD/DVD) - Presentation of Pts. Examination	Bed side clinical class morning session 10 hours	Practical examination with patient (Adult cases & children case) & viva Written (SAQ)
2. Examination of Emergency cases & first aid	At the end of learning session the students will be able to : a. Assess the vital signs (Pulse, BP, Respiration, Temperature) b. Estimate presence and severity of haemorrhage (internal and external) c. Examine for injuries if present d. Make a rapid probable diagnosis of an unconscious patient e. Take appropriate First aid measure.	Bed side clinical class Morning session	Hospital emergency Dept.	- Patient - Picture - XRay, ECG,CT,MRI USG & other lab reports - Multimedia (CD/DVD presentation)	Bed side clinical class morning session 10 hours	Written (SAQ) Practical & Viva

* 10 weeks morning session = 10 x 2= 20 hours

Subject : Basic Medicine & Paediatrics (2nd year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
Part-I A. Examination of Patient : 1. Clinical Examination of: a) Adult case b) Children case	At the end of learning session the students will be able to : a. i) Take basic medical history in a prescribed format ii) Perform a routine clinical examination b. <u>Weigh</u> a child and graph the weight (Road to health chart) and make an assessment of the nutritional status of Children.	Bed side clinical class Morning session Evening session	Hospital Bed side (indoor) & Outdoor	- Oral - Patient - Picture - Multimedia (CD/DVD) - Presentation of Pts. Examination	Lecture-06 hrs Morning session 24hrs Evening session 24hrs	Practical examination with patient (Adult cases & children case) & viva Written (SAQ)
2. Examination of Emergency cases & first aid	At the end of learning session the students will be able to : a. Assess the vital signs (Pulse, BP, Respiration, Temperature, Heartbeat, Pupil, Reflexes) b. Estimate presence and severity of haemorrhage (internal and external) c. Examine for injuries if present d. Make a rapid probable diagnosis of an unconscious patient e. Take appropriate First aid measure.	Bed side clinical class Morning session Evening session	Hospital emergency Dept.	- Patient - Picture - XRay, ECG,CT,MRI USG & other lab reports - Multimedia (CD/DVD presentation)	Lecture-06 hrs Morning session 24hrs Evening session 24hrs	Written (SAQ) Practical & Viva
3. Differential diagnoses of common complaints Fever, cough, Dyspnoea, chest pain, oedema, skin rash, Red eye, dysphagia, abdominal pain, vomiting/diarrhea,headache, Ear ache, pain in the throat, pain in the joints.	At the end of learning session the students will be able to : a. Ask a few relevant questions and look for a few relevant signs within a short period b. State the most common causes and main differentiating features for each of these causes.	Small group teaching morning session	Hospital Bed side (indoor) & outdoor Morning session Evening session	Patient X Ray, ECG,CT,MRI USG & other lab reports Multimedia (CD/DVD presentation)	Lec-18 hrs. Morning session 72hrs Evening session 72 hrs	Written (SAQ) Practical & Viva

Subject : Basic Medicine & Paediatrics (3rd year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
Part II Patient Care : 1. Introduction to the concept of general patient care 2. Practical General care	At the end of learning session the students will be able to : a. Theory : Explain the value of nursing care related to general patient care b. Practical I. Patient General care : - Place a patient in any of the following position (e.g.. supine, recumbent, prone, lateral) - perform tepid sponging, mouth toileting - give initial care to paralysed patient, unconscious patient, patient with head injuries and refer the patient to the appropriate place - monitor an unconscious patient (record level of consciousness, vital signs etc) II. Record of patient's condition & collection of specimens : - take and record on a chart - temperature, pulse, respiration; blood pressure, fluid intake & output - Collect specimen of stool, urine, sputum, blood and pus for laboratory examination	Lecture	Morning session Evening session	Patient Picture - Multimedia (CD/DVD presentation) & CD Player & TV	Lec-4 hours Morning session 16 hours Evening session 16 hours	Practical & Viva Written (SAQ)

* Visit = Bed side teaching within tutorial class

Subject : Basic Medicine & Paediatrics (3rd year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
<p>Part II Patient Care :</p> <p>1. Introduction to the concept of general patient care</p> <p>2. Practical General care</p>	<p>At the end of learning session the students will be able to :</p> <p>a. Theory : Explain the value of nursing care related to general patient care</p> <p>b. Practical</p> <p>I. Patient General care :</p> <ul style="list-style-type: none"> - Place a patient in any of the following position (e.g.. supine, recumbent, prone, lateral) - perform tepid sponging, mouth toileting - give initial care to paralysed patient, unconscious patient, patient with head injuries and refer the patient to the appropriate place - monitor an unconscious patient (record level of consciousness, vital signs etc) <p>II. Record of patient's condition & collection of specimens :</p> <ul style="list-style-type: none"> - take and record on a chart - temperature, pulse, respiration; blood pressure, fluid intake & output - Collect specimen of stool, urine, sputum, blood and pus for laboratory examination 	Lecture	Practical demonstration in hospital (indoor, Outdoor & emergency)	<p>Patient</p> <p>Picture</p> <p>- Multimedia (CD/DVD presentation)</p> <p>& CD Player & TV</p>	<p>Lec-4 hours</p> <p>Morning session 16 hours</p> <p>Evening session 16 hours</p>	<p>Practical & Viva</p> <p>Written (SAQ)</p>

Subject: Basic Medicine & Paediatrics (3rd year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
3. General Procedures	<p>At the end of learning session the students will be able to :</p> <ul style="list-style-type: none"> - identify and state use of all common types of instruments used in wards and out patients - sterilize surgical instruments - dress a wound & burn - give intra muscular and intravenous, subcutaneous and intradermal & topical drugs - apply treatment for scabies and ring worm (Topical) - clean eye and install eye droop/ointment - deliver oxygen to patient 	Lecture	<p>Practical demonstration on patients & dummies</p> <p>(CD Player & TV)</p>	<p>Patient/Students Instruments, Medicine, Oxygen cylinder Dummies</p> <p>Computer/multimedia</p> <p>CD player</p>	<p>Lec-10 hours</p> <p>Morning session 40 hours</p> <p>Evening session 40 hours</p>	<p>Practical & Viva</p> <p>Written (SAQ)</p>

Subject : Basic Medicine & Paediatrics (4th Year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
Part III Diseases & Medical Emergencies : A. Diseases to be studied : Stomatitis & mouth ulcer, peptic ulcer, Enteric fever, cirrhosis of the liver, Bronchitis, Bronchial Asthma, Pneumonia, status asthmaticus, pulmonary Tuberculosis, pleural effusion, hypertension, congestive cardiac failure, Ischemic heart diseases, malaria*, Anaemia & other common blood disorders,, Rheumatoid arthritis, headache, diabetes mellitus, Goitre, hysteria, malnutrition, Vitamin deficiencies	At the end of learning session the students will be able to : 1. state briefly causes, signs symptoms, and important complications of common diseases in the HFWC 2. recognise the common diseases in the HFWC clinically 3. give 1 st line management of the common diseases in the HFWC, where applicable 4. give drugs including DOTs for tuberculosis 5. state indications for referral and refer properly the patients to appropriate place * Management according to WHO guidelines.	Lecture	In Hospital & community clinics Bed side clinical class Morning session Evening session	OHP/Board - Patient chart - Picture - Multimedia - TV& DVD	Lec- 23 hours Morning session 34 hours Evening session 34 hours	Written (SAQ) Practical & Viva
B. Medical Emergencies : a) Snake bite, dog bite, b) Drowning c) Convulsion, status asthmaticus, shock, Poisoning (Kerosine, Datura, sleeping pills, Insecticide)	At the end of learning session the students will be able to : a) Manage the injuries and complications of emergency conditions b) give adequate first line management and proper referral of disease/conditions listed	Lecture Group discussion	In Hospital & community & clinics Emergency wards	- Patient - Picture - Multimedia (TV & DVD) OHP/Board	Lec-6 hours Morning session 10 hours Evening session 10 hours OPD/emergency 60 hours	Written (SAQ) Viva & Practical Demonstration

Subject : Basic Medicine & Paediatrics (4th year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
Part IV Child Care : A. Growth : Child Development and infant feeding	At the end of learning session the students will be able to : - Describe the growth and development and average weight of a normal child (growth chest) - outline the normal physical & mental development of children Autism - advise mothers on infant feeding including <ul style="list-style-type: none"> ➤ importance and advantages of breast feeding ➤ dangers of artificial bottle feeding ➤ ways and means of successful breast feeding ➤ Advise mothers on supplementary food for infants ➤ Advise mothers on weaning, preparation of weaning foods. 	Lecture Group Discussion	Practical demonstration in hospital & community Morning session Evening session	-patient HOP/Board - growth chart - Picture - Multimedia	Lec-4 hours Morning session 07 hours Evening session 07 hours	Written (SAQ) Viva & Practical
B. Pattern of childhood diseases :	At the end of learning session the students will be able to : 1. State causes, significance and prevention of childhood diseases in Bangladesh 2. List the causes of infant morbidity in Bangladesh 3. Explain important socio economic, medical and attitudinal (superstition and hygiene related) factors that influence diseases pattern.	Lecture Group discussion	Practical demonstration in hospital & community	- OHP/Board - chart - Picture - Multimedia	Lec-11 hrs Morning session 17 hours Evening session 17 hours	Written (SAQ) Viva & Practical

Subject : Basic Medicine & Paediatrics (4th year)

Contents	Learning Objectives	Training /Learning experiences			Expected hours /days	Assessment
		Class-room	Practical /visit	Aids		
C. Paediatric emergencies :	<p>At the end of learning session the students will be able to :</p> <ol style="list-style-type: none"> 1. Give first line management of Hyperpyrexia, Dehydration, convulsions, poisoning, surgical emergencies, acute abdominal distension 3. state indications for referral and refer properly the patients to appropriate place 3. Perform competently the following procedure <ul style="list-style-type: none"> - all immunization procedures - weighing plotting, weight in chart & graphing - mouth to mouth artificial respiration - resuscitation of a newborn - passing a Nasogastric tube - setting up scalp vein infusion - removal of foreign body from ear & nose 	<p>Lecture</p> <p>Group discussion</p>	<p>Practical demonstration in hospital & community</p> <p>Morning session</p> <p>Evening session</p> <p>Emergency setup</p>	<p>- OHP/Board</p> <p>- chart</p> <p>- Picture</p> <p>- Multimedia</p>	<p>Lec-23 hrs</p> <p>Morning session 38 hours</p> <p>Evening session 38 hours</p> <p>OPD/emergency 60 hours</p>	<p>Written (SAQ)</p> <p>Viva & Practical</p>
<p>D. Common diseases of childhood :</p> <p>Diphtheria, ARI* (Tonsillitis, Otitis media, pneumonia), whooping, cough, childhood tuberculosis, Bronchial asthma, measles, mumps, diarrhoeal diseases and dehydration*, Anaemia, congenital heart disease, urinary tract infection, nephritis, Rheumatic fever arthritis, mephitic syndrome, meningitis, Malnutrition*, Hypothermia, (Goitre), Malaria*, Dengue* covid</p>	<p>At the end of learning session the students will be able to :</p> <ol style="list-style-type: none"> 1. Recognise the common diseases of children clinically 2. state sign symptoms and differential diagnosis and complications. 3. give 1st line management of diseases in the HFWC, where applicable 4. Sate indications for referral and refer properly <p>* Management according to WHO guideline</p>	<p>Lecture</p>	<p>In Hospital & community</p> <p>Bedside case demonstration</p> <p>Morning session</p> <p>Evening session</p>	<p>- OHP/Board</p> <p>- chart</p> <p>- Picture</p> <p>- Multimedia Patient</p>	<p>Lec-23 hrs</p> <p>Morning session 38 hours</p> <p>Evening session 38 hours</p>	<p>Written (SAQ)</p> <p>Viva & Practical Clinical assessment</p>