MIDWIFERY AND OBSTETRICAL NURSING COURSE PLAN

Placement : B.Sc. (Hons.) Nursing III Year

Time: Theory-90 Hours Practical-180 Hours

Course Duration: 1 Year

General Objectives:

At the end of each unit the students will be able to have thorough theoretical and practical knowledge and comprehension regarding all the topics and apply the same knowledge in educational, clinical, community & research settings.

Course Description:

This course is designed for students to appreciate the concepts and principles of Midwifery and obstetrical nursing. It helps them to acquire knowledge and skills in rendering nursing care to normal and high risk pregnant woman during antenatal, natal and post natal periods in hospitals and community settings. It also helps to develop skills in managing normal and high-risk neonates and participate in family welfare program.

Specific objectives: At the end of the course student will be able to:

- 1. Describe the normal pregnancy, labor and puerperium and demonstrate the application of knowledge and skill in giving need –based care.
- 2. Demonstrate safe management of all stages of labor.
- 3. Identify the high risk factor during pregnancy, labor and puerperium as well as neonates and take appropriate interventions.
- 4. Motivate the mother for care of the baby and adapting family planning methods to maintain small family norms.
- 5. Prepare the mothers for self care during the pregnancy, labor and puerperium.

Unit	Time (Hrs)		Learning Objective	Content Teaching Learning Activities	Assessment Method
1	5	•	Recognize the trends	Introduction to midwifery * Lecture and obstetrical Nursing discussion	*Short answers
				• Introduction to concepts *Explain using	
			midwifery and	of Midwifery and obstetrical nursing. Charts and graphs	type
			obstetrical Nursing	 Trends in Midwifery and obstetrical nursing. Historical perspectives and currents trends. Legal and ethical aspects Pre-conception care and preparing for parenthood Role of nurse in midwifery and obstetrical care. National policy and legislation in relation to maternal health & welfare Maternal, morbidity, mortality rates Perinatal, morbidity & mortality rates 	

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
II	8	anatomy and physiology of female reproductive	Review of anatomy and physiology of female reproductive system and fetal development • Female pelvis-general description of the bones joints, ligaments, planes of the pelvis diameters of the True pelvis important landmarks, variations in pelvis shape. • Female organs of reproduction-external genetal, internal genital organs and their anatomical relations, musculature-blood- supply, nerves, lymphatics, pelvic cellular tissue, pelvic peritoneum. • Physiology of menstrual cycle • Human sexuality • Foetal development □ Conception □ Review of fertilization, implantation (embedding of the ovum), development of the embryo and placenta at term-function, abnormalities, the foetal sac, amniotic fluid, the umbilical chord, □ Foetal circulation, foetal skull, bones, sutures and measurements. • Review of Genetics	*Lecture discussion *Review with charts and models	*Short answers *Objective type

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
III	8	Describe the Diagnosis and management of women during antenatal period.	Assessment and management of pregnancy (ante-natal) Normal pregnancy Psychological changes during pregnancy. Reproductive system Cardio vascular system Respiratory system Urinary system Hetabolic changes Skeletal changes Skeletal changes Skin changes Endocrine system Psychological changes Discomforts of pregnancy Diagnosis of pregnancy Diagnosis of pregnancy Signs Differential diagnosis Confirmatory tests Ante-natal care Objectives Assessment history and physical examination Antenatal Examination Signs of previous child-birth Relationship of foetus to uterus and pelvis: Lie, Attitude, Presentation, Position Per vaginal examination Screening and assessment for high risk: Risk approach History and Physical Examination Modalities of diagnosis; Invasive & Non- Invasive & ultrasonic, cardio tomography, NST, CST	 Lecture discussion Demonstration Case discussion/presentation Health talk Practice session Supervised Clinical practice 	Short answers Objective type Assessme nt of skills with check list *Assessment of patient management problems

Unit	Ti me (H rs)	Learning Objective	Cont ent	Teaching Learning Activities	Assessment Method
			 Antenatal preparation Antenatal counseling Antenatal exercises Diet Substance use Educa tionfor child-birth Husband and families Preparation for safe- confinement Prevention from radiation Psycho-social and cultural aspects of pregnancy Adjustment to pregnancy Unwed mother Single parent Teenage pregnancy Sexual violence 		
IV	12	 Describe the physiology and stages of labor. Describe the-Signs & symptoms And management of intra natal period 	 management of intranatal period. Physiology of labor, mechanism of labor. Management of laborFirst stage of onset of labor of √ Labor room 	 Lecture discussion Demonstration Practice session Supervised Clinical practice 	 Essay type Short answers Objective type Assessment of skills with check list *Assessment of patient management problems
			-Assessment and observation of women in labor; partograph—		

Duration	
□ Conduct of	
delivery;	
Principles & techniques	
□ Episiotomy (only if	
required)	

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
V		 Describe the physiology of puerperium Describe the management of women during postnatal period 	Receiving the new born Neonatal resuscitation initial steps & subsequent resuscitation Care of umbilical cord Immediate assessment including screening for congenital anomalies Identification Bonding Initiate feeding Screening and transportation of the neonate Third Stage Signs and symptoms; normal and abnormal Duration Method of placenta expulsion Management; Principles and techniques Examination of the placenta Examination of the placenta Examination of the placenta Examination of the placenta Normal puerperium; Physiology Duration Normal puerperium; Physiology Duration Postnatal assessment and management Mormal puerperium; Physiology Duration Postnatal assessment and management Mormal puerperium; Physiology Duration Postnatal assessment and management Founding physical & emotional well being Lactation management Immunization Family dynamics after child-birth. Family welfare services; methods, counseling Follow — up Records and reports	 Lecture discussion Demonstration Health talk Practice session Supervised Clinical practice 	 Essay type Short answers Objective type Assessment of skills with check list Assessme nt of patient and its managem net

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
VI		Describe the assessment and management of normal neonate	Assessment and management of normal neonates. Normal neonates; Physiological adaptation, Initial & Daily assessment Essential newborn care; Thermal control, Breast feeding, prevention of infections Immunization Minor disorders of newborn and its management Levels of neonatal care (level I,II& III) At primary, secondary and tertiary levels Maintenance of Reports & Records	 Practice session Supervised Clinical practice 	 Essay type Short answers Objective type Assessment of skills with check list *Assessment of patient management problems
VII	10	Describe the identificatio n and managemen t of women with high risk pregnancy	 High risk pregnancy-assessment & management Screening & assessment Ultrasonic, cardio tomography, NST, CST, non-invasive & invasive, Newer modalities of diagnosis High – risk approach Levels of care; primary, secondary & tertiary levels Disorders of pregnancy Hyper-emesis gravidarum, bleeding in early pregnancy, abortion, ectopic. Pregnancy, vesicular mole, Ante-partum haemorrage Uterine abnormality and displacement. Diseases complicating pregnancy Medical & surgical conditions Infections, RTI(STD), UTI,HIV, TORCH Gynecological diseases complicating pregnancy Gynecological diseases complicating pregnancy 	Bebbion	 Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

		□ Pregnancy induced		
		hypertension & diabetes, Toxemia of pregnancy, Hydramnios, Rh incompatibility Mental disorders Adolscent pregnancy, Elderly primi and grand multipara Multiple Pregnancy Abnormalities of placenta & cord Intra – uterine growth – retardation Nursing management of mothers with high- risk pregnancy Maintenance of Records & Report		
VIII 10	 Describe managemnt of abnormal labor. And Obstetrical emergencies 	Abnormal Labor- Assessment and management Disorders in labor CPD & contracted pelvis Malpositions and malpresentations Premature labor, disorders of uterine actions —precipitate labor prolonged labor Complications of third stage: injuries to birth canal *Obstetrical emergencies and their management; Presentation & prolapse of cord, Vasa previa, amniotic fluid embolism of uterus, shoulder dystocia, obstretical shock Obstetrical procedures & operations; Induction of labor, forceps, vacuum version, manual removal of placenta, caesarean section, destructive operations	 Lecture discussion Demonstration Practice session Supervised Clinical practice 	 Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

			* Nursing management of women undergoing Obstetrical operations and procedures		
IX	4	*Describe management of postnatal complications	Abnormalities during postnatal periods Assessment and management of woman with postnatal complications Puerperal infections, breast engorgement & infections, UTI, thrombi-Embolic disorders, Post-partum hemorrhage, Eclampsia and sub involution, Psychological complications: Post partum Blues Post partum Depression Post partum Psychosis	discussionDemonstration	 Essay type Short answers Objective type Assessment of skills with check list Assessment of patient management problems

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
X	8	* Identify the high risk neonates and their nursing management	Assessment and Management High risk newborn. Admission of neonates in the neonatal intensive care units protocols Nursing management of: Low birth weight babies Infections Respiratory problems Hemolytic disorders Birth injuries Malformations Monitoring of high risk neonates Feeding of high risk neonates Organization Management of neonatal intensive care units Maintenance of reports and records	 Lecture discussion Demonstration Practice session Supervised Clinical practice 	 Essay type Short Objective type Assessme nt of skills with check list Assessesn t of patient managem ent problems
XI	4	* Describe indication, dosage, action, side effects & nurses responsibilities in the administration of drugs used for mothers.	 Pharmaco- therapeutics in obstetrics Indication, dosage, action contra indication & side effects of drugs Effect of drugs on pregnancy, labor & puerperium, Nursing responsibilities in the administration of drug in Obstetrics – Oxytocin, antihypertensives, diuretics tocolytic agents, anticonvulsant; Analgesics and anesthetics in obstetrics. Effects of maternal medication on fetus & neonate 	discussionDemonstrationPractice session	 Essay type Short Objective type Assessme nt of skills with check list Assessme nt of patient management problems

Unit	Time (Hrs)	Learning Objective	Content	Teaching Learning Activities	Assessment Method
XII	10	Appreciate the importance of family welfare programme Describe the methods of contraception & role of nurse in family welfare programme	 Pamily welfare programme Population trends and problems in India Concepts, aims, importance and history of family welfare programme National Population: dynamics, policy & education National family welfare programme; RCH, ICDS, MCH. Safe motherhood Organization and administration; at national state, district, block and village levels Methods of contraception; spacing, temporary& permanent, Emergency contraception Infertility & its management Counseling for family welfare programme Latest research in contraception Maintenance of vital statistics Role of national international and voluntary organizations Role of a nurse in family welfare programme Training / Supervision/ Collaboration with other functionaries in community like ANMs. LHVs, Anganwadi workers, TBAs(Traditional birth attendant-Dai) 	 Lecture discussion Demonstration Practice session Supervised Practice Group Project 	 Essay type Short Objective type Assessmen t of skills with check list Assessmen t of patient manageme nt problems

REFRENCE

- 1. DUTTA-
- -Text book of Obstetrics 4th Ed.,
- -Text book of Gynecology 3rd ed.,
- 2. C.S.DAWN-
- Textbook of Gynecology Contraception and Demography 13th ed.,
- 3. BOBAK JENSEN-
- Essentials of Maternity Nursing $3^{\rm rd}\,{\rm ed.}$,

Practical

Placement: Third Year Time:Practical-180 Hours(Third year)

Fourth Year Practical 180 hrs (Fourth year)

Areas	Duration (Weeks)	Objectives	Skills	Assessments	Assessment Methods
Antenatal Clinic/OPD	2	* Assessment of pregnant women	 Antenatal history taking Physical Examination Recording of weight & B.P Hb & Urine testing for sugar and albumin Antenatal examinationabdomen & breast Immunization Assessment of risk status Teaching antenatal mothers Maintenance of Antenatal records 	*Conduct Antenatal *Examinations 30 • Health talk-1 • Case book recordings	*Verification of findings of Antenatal examinations * Completion of casebook recordings
Post natal ward	4	 Provide nursing care to post natal mother & baby Counsel & teach mother & family for parent hood 	 Examination & assessment of mother & baby Identification of deviations Care of postnatal mother & baby Perineal care Lactation management Breast feeding Babybath Immunization, Teaching postnatal mother: Mother craft Post natal care & Exercises Immunization 	post natal mothers-20 • Health talks-1 • Case study-	 Assessment of clinical performanc e Assessment of each skill with checklists Completion of case book recording Evaluation of case study and presentatio n and health education sessions

Areas	Duration (week)	Objectives	Skills	Assessments	Assessment Methods
Newborn nursery	2	*Provide nursing care to Newborn at risk	 Admission of neonates Feeding of at risk neonates Katori spoon, paladi, tube feeding, total parenteral nutrition Thermal management of neonates-kangaroo mother care, care of baby in incubator Monitoring and care of neonates Administering medications Intravenous therapy Assisting with diagnostic procedure Assisting with exchange transfusion Care of baby on ventilator Phototherapy Infection control protocols in the nursery Teaching & counseling of parents Maintenance of 	 Case study-1 Observation study-1 	*Assessment of clinical performance • Assessment of each skill with checklists Evaluation of & Observation study
Family Planning clinic	Rotation from post natal ward 1 wk	Counsel for & provide family welfare services	 Counselling technique Insertion of IUD Teaching on use of family planning methods Arrange for & Assist with family planning operations Maintenance of records and reports 	-2	 Assessment of each skill with checklists Evaluation of & Observation study

MIDWIFERY & OBSTETRIC PRACTICE

HOURS:

Hours prescribed	III year (Hours)	IV year (Hours)	Integr. Practice (Hours)
Theory	90	(110u15)	(110u1s)
Practical	180	180	240
TOTAL HRS:	THEORY	90 + PRACTICA	L 600

EXAMINATIONS:

		TH	THEORY		PRACT	ΓICAL
	Marks	III year	IV year	Marks	III year	IV year
Viva				50	V	
Midterm	50	√	-	50		V
Pre final	75	-	V	50	-	V
TOTAL		125			150	

ASSIGNMENTS:

THEORY							
NO	NO ASSIGNMENT MARKS III YEAR IV YEAR						
1	Seminar	50	V	-			
2	Drug study	50	-	$\sqrt{}$			
	TOTAL	100	-	-			

NO	ASSIGNMEN'	Γ / CLINICAL	NUMBER	MARKS	PLACEMENT
	EVALUATIO	N			
1	Health talk		1	25	III
2	Care study:	ANC	1	50	IV
		PNC	1	50	IV
		New born	1	50	IV
3	Case presenta	tion:			
	ANC / P	NC	1	50	IV
4	New born asse	essment	1	25	III
5	Case book		1	100	III, IV, I.P
6	Clinical evalua	ation:			
	ANC		1	100	III & IV
	PNC		1	100	
	Nursery		1	100	
	Labour w	ard	1	100	
	TOTAL		7	750	

Evaluation

Internal assessment

Theory: Maximum marks 25

Mid term examination –(3rd year) 50 Pre final – (4th year) 75

125

Out of 15

Assignments:

Seminar 01 (3rd year) 50
Drug study 01 (4th year) 50

100

Out of 10

Practical

Case presentation 01 (4th year) Marks 50

Antenatal ward / Postnatal ward

Care study 03 (4th year) Marks 150

Antenatal ward- 01 (50 marks each)

Postnatal ward 01
Newborn 01

Health education 01 (3rd year) Marks 25 Newborn assessment 01 (3rd year) Marks 25 Case book (3rd year, 4th year & internship) Mark 100

Clinical evaluation 04 Marks 400

ANC ward 01

PNC ward 01 (100 marks each) Nursery 01 (3rd year, 4th year)

Labor room 01

Practical examination

VivaMarks 50Midterm examinationMarks 50Prefinal examinationMarks 50

Total 900

Maximum marks = 100

External assessment

University examination

Theory Marks 75
Practical Marks 100

Note: Final examination will take place in 4th year

SEMINAR EVALUATION CRITERIA

NAME :-	DATE :-
AUDIENCE :-	TIME :-
TOPIC:-	MARKS :-

Sr. No.	Factors/ Elements	1	2	3	4	5	Total	Remarks
Ι	Subject Matter							
	1) Introduction							
	2) Organization of Topic							
	3) Presentation of Topic							
	4) Relevant Examples							
	5) Relevant Statistical date							
	6) Group participation							
	7) Control of group							
	8) Conclusion							
II	A.V. AIDS							
	1) Appropriate to subject							
	2) Proper use of A.V.Aids							
	3) Self – Explanatory							
	4) Attractive							
	5) Planning & Preparation							
	6) Use of Modern Technology							
III	Personal Appearance							
	1) Voice and Clarity							
	2) Mannerism							
IV	References(Books, Journals & Resource							
	Person)							
V	Physical facilities							
	1) Environment							
	2) Classroom Preparation							

Overall	Observation
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Signature of Teacher

Signature of the Candidate

Signature of Principal

Drug study

- Index of drug
- Introduction
- Classification of drugs
- Factors affecting action of drugs
- Name of the drug (Trade & Pharmaceutical name)
- Preparation, strength and dose
- Indications and contraindications
- Actions
- Adverse effects and drug interactions
- Nursing responsibility
- Conclusion
- References

Evaluation crit eria

Planning and organization	05
Content	-10
Nursing responsibility	05
Conclusion & References	05
Total	25

ANC CASE STUDY / PRESENTATION FORMAT

Identification data

Patient: Name, Age in years, Dr's unit, reg.no education, occupation, income, religion, marital

status, duration of marriage

Gravida, para, abortion, living, blood group

Husband: Name, Age, education, occupation, income

Present complaints

History of illness

<u>Menstrual history:</u> age of menarche, duration of menstrual cycle, duration of cycle in days, regularity, amount of flow, LMP, EDD, associated complaints

Contraceptive history:

Antenatal attendance:

Date, weight, pallor, edema, BP, Ut. Ht, presentation/position, FHS, Hb, Urine albumin/sugar, treatment

Obstetric history:

H/O Previous pregnancy / deliveries,

Period of pregnancy, type of labour/delivery, birth weight, PNC condition, remarks

Present pregnancy:

Date of booking, number of ANC visits, H/O minor ailments

Past medical, surgical history:

Family history:

Diet history:

Socioeconomic status

Personal habits

Psychosocial status

Physical assessment:

General examination: head to foot Obstetric palpation, Auscultation

Conclusion

Investigation

Ultrasonograhy

Treatment

Description of disease

Therapeutic diet plan

Nursing care plan

Nurse's notes

Discharge planning

Antenatal advice

Evaluation of care

References

PNC CASE STUDY / PRESENTATION FORMAT

Identification data

Patient: Name, Age in years, Dr's unit, reg.no

education, occupation, income, religion, marital

status, duration of marriage

Gravida, para, abortion, living, blood group

Husband: Name, Age, education, occupation, income

Present complaints

History of illness

<u>Menstrual history:</u> age of menarche, duration of menstrual cycle, duration of cycle in days, regularity, amount of flow, LMP, EDD, associated complaints

Contraceptive history:

Antenatal attendance:

Date, weight, pallor, edema, BP, Ut. Ht, presentation/position, FHS, Hb, Urine albumin/sugar, treatment

Obstetric history:

H/O Previous pregnancy / deliveries,

Period of pregnancy, type of labour/delivery, birth weight, PNC condition, Condition of new born, remarks

Present pregnancy:

Date of booking, number of ANC visits, H/O minor ailments

Past medical, surgical history:

Family history:

Diet history:

Socioeconomic status

Personal habits

Psychosocial status

Physical assessment:

Mother: General examination: head to foot

Baby: new born assessment

Conclusion

Investigation

Ultrasonograhy

Treatment

Description of disease

Therapeutic diet plan

Nursing care plan

Nurse's notes

Discharge planning

Antenatal advice

Evaluation of care

References

NEW BORN CASE STUDY FORMAT

Name, date of birth / discharge, reg.no, Dr's unit,

Mother's previous obstetric history, present pregnancy, labour history, baby's birth history

General examination: head to foot

Daily observation chart

Nursing care plan

EVALUATION CRITERIA CASE STUDY

Assessment / Introduction	05
Knowledge & understanding of disease / condit	ion 15
Nursing care plan	20
Discharge plan	05
Summary & evaluation	03
Bibliography	<u>02</u>
TOT	

EVALUATION CRITERIA CASE PRESENTATION

Assessment / Introduction	05
Knowledge & understanding of disease / condition	10
Presentation skill	10
Nursing care plan	15
A.V. aids	05
Summary & evaluation	03
Bibliography	<u>02</u>
TOTAL	50

EVALUATION FORMAT FOR HEALTH TALK

NAME OF THE STUDENT:	
AREA OF EXPERIENCE:	
PERIOD OF EXPERIENCE:	
SUPERVISOR:	
	Total 100 Marks

Scores: 5 = Excellent, 4 = Very good, 3 = Good, 2 = Satisfactory / fair, 1 = Poor

Sr. No.	Particular	1	2	3	4	5	Score
1	I) Planning and organization						
	a) Formulation of attainable objectives						
	b) Adequacy of content						
	c) Organization of subject matter						
	d) Current knowledge related to subject Matter						
	e) Suitable A.V.Aids						
	II) Presentation:						
	a) Interesting						
	b) Clear Audible						
	c) Adequate explanation						
	d) Effective use of A.V. Aids						
	e) Group Involvement						
	f) Time Limit						
	III) Personal qualities:						
	a) Self confidence						
	b) Personal appearance						
	c) Language						
	d) Mannerism						
	e) Self awareness of strong & weak points						
	IV) Feed back:						
	a) Recapitulation						
	b) Effectiveness						
	c) Group response						
	V) Submits assignment on time						
	. , 2 						

^{* 100} marks will be converted into 25

NEW BORN ASSESSMENT Refer "child health nursing "Subject, III Year page no20to 22

Case book

Note: 1. Case book contents **Antenatal examinations 30 Conducted normal deliveries** 20 **PV** examinations **05 Episiotomy & suturing** 05 **Neonatal resuscitations** 05 **Assist with caesarian section** 02 Witness / assist abnormal deliveries 05 Post natal cases nursed in hospital / health centre / home **20 Insertion of IUCD 05**

2. All cases should be certified by teacher on completion of essential requirements.