

**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES  
NASHIK**

**1<sup>ST</sup> YEAR  
BASIC B.Sc. NURSING**

# ENGLISH

## Evaluation Scheme:

Subject	Hours	Internal Assessment	Total
* English	--	100 (College level qualifying exam, minimum passing Marks 40%.)	100

**\* College level qualifying exam to appear in University Examination, minimum passing Marks 40%.**

Details as follows:

**Internal Assessment: 100 Marks**

(Out of 100 Marks from mid-term & prelim to be send to the University along with Internal Assessment Marks of other subjects for inclusion in the Mark Sheet.)

Mid-Term: 50 Marks

Prelim: 50 Marks

Total: 100 Marks

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# ANATOMY AND PHYSIOLOGY

## Evaluation Scheme

Subject <b>Anatomy &amp; Physiology</b>	Assessment			
	Hours	Internal	External	Total
Theory	3	25	75	100

Details as follows:

**Internal Assessment:**

<b>Theory:</b>	<b>15 Marks</b>
<b>Assignment (Writing Journal):</b>	<b>10 Marks</b>
<b>Total:</b>	<b>25 Marks</b>

(Out of 25 Marks to be send to the University)

	Anatomy	Physiology	Total Marks	Average out of
Mid-Term	25	25	50	--
Prelim	37	38	75	--
Total	--	--	125	15
Assignment (Writing Journal)	25	25	50	10
<b>Total</b>	--	--	--	<b>25 Marks</b>

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks and 50 Marks from Assignment (Writing Journal) to be converted into 10 Marks)

**External Assessment:** **75 Marks**  
**(University Examination)**

Section A: Anatomy:	37 Marks
Section B: Physiology:	38 Marks
Total:	75 Marks

# NUTRITION & BIOCHEMISTRY

## Evaluation Scheme:

Subject Nutrition and Biochemistry	Assessment			
	Hours	Internal	External	Total
Theory	3	25	75	100

Details as follows:

**Internal Assessment:**

<b>Theory:</b>	<b>15 Marks</b>
<b>Laboratory (Practicum):</b>	<b>10 Marks</b>
<b>Total:</b>	<b>25 Marks</b>

(Out of 25 Marks to be send to the University)

**Theory Examination:** **15 Marks**

	Nutrition	Biochemistry	Total Marks	Average out of
<b>Mid-Term</b>	35	15	50	--
<b>Prelim</b>	45	30	75	--
		<b>Total</b>	<b>125</b>	<b>15</b>

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

**Laboratory (Practicum):** **10 Marks**

Subject	Internal Exam Out of	Average Out of
Nutrition	25	<b>05</b>
Biochemistry	25	<b>05</b>
<b>Total</b>	<b>50</b>	<b>10</b>

Details as follows:

**Evaluation Criteria for Nutrition (Practicum): 05 Marks**

Sr. No.	Items	Marks
1	Selection of menu for specific group	05
2	Calculation of relative requirement	10
3	Presentation and recording	10
<b>Total</b>		<b>25</b>

(25 Marks from Nutrition Practicum to be converted into 05 Marks)

**Evaluation Criteria for Biochemistry (Journal): 05 Marks**

Sr. No	Items	Marks
1	Investigations related to altered CHO metabolism	05
2	Investigations related to altered protein metabolism	05
3	Investigations related to altered lipid metabolism	05
4	Investigations related to altered vitamins and minerals	05
5	Investigations related to altered immunochemistry	05
<b>Total</b>		<b>25</b>

(25 Marks from Biochemistry Practicum to be converted into 05 Marks)

**External Assessment:** **75 Marks**  
**(University examination)**

Section A: Nutrition:	45 marks
Section B: Biochemistry:	30 marks
<b>Total:</b>	<b>75 Marks</b>

# NURSING FOUNDATIONS

THEORY AND PRACTICAL

## Evaluation Scheme :

Subject Nursing Foundation	Assessment			
	Hours	Internal	External	Total
Theory	3	25	75	100
Practical & Viva Voce		100	100	200

Details as follows:

**Internal Assessment (Theory): 25 Marks**

**Internal Assessment (Practicum): 100 Marks**

(Out of 125 Marks to be send to the University)

Details as follows:

**Internal Assessment (Theory): 25 Marks**

Mid-Term: 50 Marks

Prelim: 75 Marks

**Total: 125 Marks**

(125 Marks from mid-term & prelim (Theory) to be converted into 25 Marks)

**Internal Assessment (Practicum): 100 Marks**

<b>Nursing Foundation Practical &amp; Clinical Assignment</b>	Clinical evaluation – 1 (Medical)	100 Marks
	Clinical evaluation – 1 (Surgical)	100 Marks
	Nursing care plan – 2	50 X 2 = 100 Marks
	Procedure evaluation	50 Marks

<b>Internal Practical</b>	Midterm	50 Marks
<b>Examination &amp; Viva voce</b>	Pre - Final Examination	75 Marks
	<b>Total Marks</b>	<b>475 Marks</b>

(475 Marks from practicum to be converted into 100 Marks)

<b>External Assessment:</b>	<b>175 Marks</b>
<b>(University Examination)</b>	
Theory:	075 Marks
Practical & Viva Voce:	100 Marks
<b>Total:</b>	<b>175 Marks</b>

#### **EVALUATION CRITERIA:**

#### **PRACTICAL EXAMINATION UNIVERSITY**

Total marks 100

#### **INTERNAL EXAMINER : 50**

- Procedure evaluation : 30
- Viva voce : 20

#### **EXTERNAL EXAMINER : 50**

- Nursing Process : 30
- Viva voce : 20

# PSYCHOLOGY

## Evaluation Scheme:

Subject Psychology	Assessment			
	Hours	Internal	External	Total
Theory	3	25	75	100

Details as follows:

**Internal Assessment: 25 Marks**  
(Out of 25 Marks to be send to the University)

Details as follows:

**Theory: 15 Marks**

Mid-Term: 50 Marks

Prelim: 75 Marks

Total: 125 Marks

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

**Assignment: 10 Marks**

**External Assessment (University Examination): 75 Marks**

# MICROBIOLOGY

## Evaluation Scheme

Subject Microbiology	Assessment			
	Hours	Internal	External	Total
Theory	3	25	75	100

Details as follows:

**Internal Assessment: 25 Marks**

(Out of 25 Marks to be send to the University)

Details as follows:

**Theory: 15 Marks**

Mid-Term: 50 Marks

Prelim: 75 Marks

Total: 125 Marks

(125 Marks from mid-term & prelim (Theory) to be converted into 15 Marks)

**Assignment: 10 Marks**



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**2<sup>nd</sup> YEAR BASIC B.Sc.  
NURSING**

# **SOCIOLOGY**

## **EVALUATION**

### **INTERNAL ASSESSMENT: (Theory Exams)**

**Maximum Marks: 25**

Mid-term Examination: 50 Marks

Pre-final Examination: 75 Marks

Total: 125 Marks

(125 Marks to be converted in to 25 Marks for Internal Assessment (Theory))

### **EXTERNAL ASSESSMENT: (Theory)**

University examination: 75 Marks

# PHARMACOLOGY

## PATHOLOGY AND GENETICS

### EVALUATION SCHEME

**Internal Assessment:**

**Maximum Marks 25**

**Theory:**

**15 Marks**

	Pharmacology	Pathology and genetics	Total Marks	Average Out of
Mid-term	30	20	50	-
Pre-final	40	35	75	-
<b>Total</b>			<b>125</b>	<b>15</b>

(125 Marks to be converted in to 15 Marks for Internal Assessment (Theory))

**Assignments: Two**

- a) Pharmacology – Drug Study / Drug Presentation 25 Marks  
b) Pathology - Preparation of Patient for diagnostic Test 25 Marks  
**Total: 50 Marks**

(50 Marks to be converted in to 10 Marks for Internal Assessment (Assignments))

**External assessment:**

University Examination (Theory)

75 Marks

# MEDICAL SURGICAL NURSING (ADULT INCLUDING GERIATRICS) – I

## THEORY AND PRACTICAL

### EVALUATION SCHEME:

#### Internal assessment

<b>Theory:</b>	<b>25 Marks</b>
Mid-term Examination	50
Pre-final	75
<b>Total:</b>	<b>125</b>

(125 Marks to be converted in to 25 Marks for Internal Assessment (Theory))

<b>Practical:</b>	<b>100 Marks</b>
a) Nursing Care Plan – 03 X 25 Marks (Medical ward – 01, Surgical ward – 01, Ortho / any other – 01)	75 Marks
b) Case Presentation – 01	50 Marks
c) Case study – 02 X 50 Marks (Medical Ward – 01, Surgical Ward – 01)	100 Marks
d) Health Education – 01	25 Marks
e) Therapeutic Diet – 01	25 Marks
f) Clinical Evaluation – 03 X 100 Marks (Medical Ward – 01, Surgical Ward – 01, Operation Theatre – 01)	300 Marks
g) Practical Examinations	150 Marks
Mid-term Examination – 50 Marks	
Pre-final Examination – 100 Marks	
<b>Total</b>	<b>725</b>

(725 Marks to be converted in to 100 Marks for Internal Assessment (Practical))

#### External Assessment

<b>University Examination</b>	
<b>Theory:</b>	<b>75 Marks</b>
<b>Practical:</b>	<b>100 Marks</b>

# COMMUNITY HEALTH NURSING- I

## EVALUATION SCHEME:

### Internal assessment: Maximum Marks 25

#### A) Theory: 15 Marks

- i) Mid-term Examination: 50 Marks
- ii) Pre-final: 75 Marks

Total: 125 Marks

(125 Marks to be converted in to 15 Marks for I. A. (Theory))

#### B) Practicum: 10 Marks

- i) Clinical Evaluation
  - Community health Nursing Practice: 100 Marks
- ii) Family Care Study: 50 Marks
- iii) Health Teaching (2 X 25 Marks): 50 Marks
- iv) Community Visit Observation report: 25 Marks

Total: 225 Marks

(225 Marks to be converted in to 10 Marks for I. A. (Practicum))

### External assessment

University examination: Theory 75 Marks

# COMMUNICATION & EDUCATION TECHNOLOGY

## EVALUATION SCHEME:

### INTERNAL ASSESSMENT:

**25 Marks**

A) Theory:

15 Marks

i) Mid-term Examination:

50 Marks

ii) Pre-final Examination:

75 Marks

Total:

125 Marks

(125 Marks to be converted in to 15 Marks for Internal Assessment (Theory))

B) Assignment / Practical:

10 Marks

SN	UNIT		Marks
1	I	Response to Critical Incidents using Anecdotal Record	10
2	III	Response to Critical Incidents using Anecdotal Record	10
3	IV	Response to Critical Incidents using Anecdotal Record	10
4	V	Lesson Plan Preparation and Conduction of 4 Teachings	100
5	VII	Visual Aid Preparation	50
6	VIII	Assessments of Tools-3 (Preparation of Question Paper, Check List, Attitude Scale.	45
<b>Total</b>			<b>225</b>
(225 Marks to be converted in to 10 Marks for Internal Assessment (Practical))			

### EXTERNAL ASSESSMENT: (Theory)

University examination:

75 Marks



**MEDICAL SURGICAL NURSING**  
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**3<sup>rd</sup> YEAR**  
**BASIC B.Sc. NURSING**



## Evaluation

### Internal assessment

#### Theory

Maximum marks 25

Midterm	50
Prefinal	75

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Total 125

#### Practical

Maximum marks 50

Nursing care plan (ENT, Ophthalmology, Gynaec, Burns, Oncology)	5 x 25	125
Case presentation / case study- neuro	1 x 50	50
Health teaching	1 x 25	25
Clinical Evaluation (Neurology and critical care unit)	2 x 100	200

### Internal assessment

#### Practical

Midterm	50
Prefinal	75

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Total 525

### Practical examination

University examination

Theory	Marks 75
Practical	Marks 5

# CHILD HEALTH NURSING.

## EVALUATION

### I. Internal assessment :

Maximum marks 25

#### Theory :

Marks

Midterm	50
Prefinal	75

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Total marks 125

#### Practicum :

Maximum marks 50

1. Case presentation - ( Paed Medical / Surgical 01)		50
2. Case study - ( Paed. medical. / surgical. 01)		50
3. Nursing care plan 03	3 x 25	75
4. Clinical evaluation of comprehensive. paed. Medical / surgical / P.I.C.U./ N.I.C.U.)	3 X 100 300(	
5. Health teaching - 01		25
6. Assessment of growth & development reports. (20 marks each) (Neonate, infant, toddler, preschooler, & School age)	5 X 20	100
Observation report of NICU surgery/ Medical	1 x 25	25

#### Practical exam :

1. Midterm exam	50
2. Preterm exam	50
	<hr/> 725

### II External assessment : University exam :

Theory	75
Practical	50

# MENTAL HEALTH NURSING

## Evaluation

### Evaluation

#### **Internal assessment**

#### **Theory**

Midterm

50

Prefinal

75

Maximum marks 25

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Total 125

marks  
50

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Total marks 500

Practical examination

mid term

50

prefinal

50 (600)

Total mark

100

#### **University examination**

Theory

75

Practical 50

# MIDWIFERY AND GYNAECOLOGICAL NURSING

## Evaluation

### Theory:

Maximum marks 25

Mid term examination –( 3 <sup>rd</sup> year)	50
Pre final – ( 4 <sup>th</sup> year)	75
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	125
	Out of 15

### Assignments:

Seminar 01 (3 <sup>rd</sup> year)	50
Drug study 01 (4 <sup>th</sup> year)	50
	-----
	100
	Out of 10

### Practical

Case presentation 01 (4 <sup>th</sup> year) Antenatal ward / Postnatal ward	Marks 50
Care study 03 (4 <sup>th</sup> year) Antenatal ward- 01 (50 marks each) Postnatal ward 01 Newborn 01	Marks 150
Health education 01 (3 <sup>rd</sup> year) Newborn assessment 01 (3 <sup>rd</sup> year) Case book (3 <sup>rd</sup> year, 4 <sup>th</sup> year & internship)	Marks 25 Marks 25 Mark 100
Clinical evaluation 04 ANC ward 01 PNC ward 01 (100 marks each) Nursery 01 (3 <sup>rd</sup> year, 4 <sup>th</sup> year) Labor room 01	Marks 400
Practical examination Viva Midterm examination Prefinal examination	Marks 50 Marks 50 Marks 50

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Total                    900

Maximum marks = 100

### External assessment

University examination	
Theory	Marks 75
Practical	Marks 100

**Note: Final examination will take place in 4<sup>th</sup> year**



**MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES  
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**4<sup>th</sup> YEAR  
BASIC B.Sc. NURSING**

# Midwifery & Obstetrical Nursing

## Evaluation

### Theory:

Maximum marks 25

Mid term examination – (3 <sup>rd</sup> year)	50
Pre final – (4 <sup>th</sup> year)	75
	-----
	125
	Out of 15

### Assignments:

Seminar 01	(3 <sup>rd</sup> year)	50
Drug study 01	(4 <sup>th</sup> year)	50
		-----
		100
		Out of 10

### Practical

Case presentation 01 (4<sup>th</sup> year) Marks 50  
Antenatal ward / Postnatal ward

Care study 03 (4<sup>th</sup> year) Marks 150  
Antenatal ward- 01 (50 marks each)  
Postnatal ward 01 }  
Newborn 01 }

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

Clinical evaluation 04 Marks 400  
ANC ward 01  
PNC ward 01 (100 marks each)  
Nursery 01 (3<sup>rd</sup> year, 4<sup>th</sup> year)  
Labor room 01 }

Practical examination  
Viva (3<sup>rd</sup> year) Marks 50  
Midterm examination Marks 50  
Prefinal examination (4<sup>th</sup> Year) Marks 50

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} Total 900

} Maximum marks = 100

### External assessment

University examination  
Theory Marks 75  
Practical Marks 100

**Note: Final examination will take place in 4<sup>th</sup> year**

# COMMUNITY HEALTH NURSING – II

## Evaluation

### Internal assessment

#### Theory

Maximum marks 25

Midterm – 50 Marks

Prefinals – 75 Marks

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TOTAL – 125 Marks

**Convert to 15**

#### Assignment

Seminar – 50 Marks

**Convert to 10 Marks**

#### Practical

Maximum marks 50

Family Care Study –

50 Marks

Health Talk –

100 Marks

Procedure evaluation –

50 Marks

Family Folders (5x10) –

50 Marks

Clinical evaluation –

200 Marks

#### Practical examination

Midterm –

50 Marks

Prefinal –

50 Marks

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**TOTAL – 550 Marks**

### External assessment

University examination

Theory

Marks 75

Practical

Marks 50

Below mentioned assignment have to be completed during clinical posting, however they are not for evaluation.

Group project 01(Exhibition/ Street Play/ Puppet Show)

Survey report – 01

Daily diary –



# NURSING RESEARCH AND STATISTICS

## Evaluation

**Internal assessment: 100 Marks (College level qualifying exam to appear in 4<sup>th</sup> year University Exam.)**

**a) Theory:** Maximum marks 50

Midterm	25
Prefinal	25

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Total marks 50

**b) Project:** Maximum marks 50

Assignment: Group project 50

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Total marks 50



# ***INTRODUCTION TO NURSING RESEARCH AND STATISTICS***

## **PRACTICAL EXPERIENCE GUIDELINE AND EVALUATION FOR**

### **4<sup>th</sup> BSc.Nursing**

#### **NURSING RESEARCH: "PROJECT"**

Time Allotted Practical- 45 hrs.

##### Guideline for Research Project

- I Aim: Student will identify the role of nurse in conducting research, writing research proposal based on scientific steps and will analyze the data using simple statistical methods. While conducting research project.
- II Objectives: Preparing nursing research proposal
- 1) To get an opportunity to select topic or problem to formulate research proposal.
  - 2) To follow the steps in research while writing research proposal and conducting project.
  - 3) To differentiate and plan specific design in nursing research i.e. experimental and non-experimental including methodology.
  - 4) To get an opportunity to frame/construct simple tool or questionnaire to collect data.
  - 5) To follow the basic principles of data analysis including simple tables and statistical methods for proceedings and interpretation of data.
  - 6) To be familiar to write research report to communicate the findings including bibliography, foot notes and future recommendations.
  - 7) To present nursing research proposal as group activity.
  - 8) Learns to use computers.
- .III Guide line / check list to prepare / Nursing research proposal & project
- 1) Selection of research problem : Select your interest area of research, based on felt need, issues, social concern in nursing field.
    - a) State the problem, brief concise, clear.
    - b) State the purpose of selected study & topic
    - c) State objective of study/proposal/project.
    - d) State the hypothesis if necessary (optional).
    - e) Prepare conceptual framework based on operational definition (optional).
    - f) Write scope and delimitation of Research Proposal.
  - 2) Organizing for Review of Literature
    - a) It adas in to needs to conduct Research project.
    - b) To study related and relevant literature which helps to decide conceptual framework and research design to be selected for your study.
    - c) To add specific books, bulletins, periodicals, reports, published and unpublished dissertations, encyclopedia, text books.
    - d) Organize literature as per operational definition.
    - e) To prepare summary table for review of literature. (Optional)

- 3) Research Methodology: To determine logical structure & methodology for research project
  - a) Decide and state approach of study i.e. experimental or non-experimental.
  - b) To define/find out variables to observe effects on decided items & procedure (optional)
  - c) To prepare simple tool or questionnaire or observational check list to collect data.
  - d) To determined sample and sampling method.
    - i) mode of selection      ii) Criterias      iii) Size of sample
    - iv) Plan when, where and how data will be collected
  - e) To test validity of constructed tool (To check content in tool in relation to stated objectives) with experts / teachers opinion.
  - t) To check reliability by implementing tool before pilot study (10% of sample size)
  - g) To conduct pilot study by using constructed tool for 10% selected sample *size*.
- 4) Data Collection: To implement prepared tool
  - a) To implement constructed tool
  - b) Decide location
  - c) Time
  - d) Write additional information in separate exercise book to support inferences and interpretation.
- 5) Data analysis and processing presentation
  - a) Use appropriate method of statistical analysis i.e. frequency and percentage.
  - b) Use clear frequency tables, appropriate tables, graphs and figures.
  - c) Interpretation of data:
    - i) In relation to objectives
    - ii) Hypothesis (Optional)
    - iii) Variable of study or project (Optional)
    - iv) Writing concise report
- 6) Writing Research report
  - a) Aims:
    - i) To organize materials to write project report
    - ii) To make comprehensive full factual information
    - iii) To use appropriate language and style of writing
    - iv) To make authoritative documentation by checking footnotes, references & bibliography
    - v) To use computers.
  - b) Points to remember
    - a) Develop thinking to write research report.
    - b) Divide narration of nursing research report.
    - c) Use present tense and active voice
    - d) Minimize use of technical language
    - f) Use simple, straightforward, clear, concise language
    - g) Use visual aids in form of table, graphs, figures
    - h) Treat data confidentially
    - i) Review, rewrite if necessary

## EVALUATION CRITERIA FOR PROJECT REPORT

Maximum Marks: 100

Sr. No.	Criteria	Rating					Remarks
		1	2	3	4	5	
I	Statement of the problem						
	1. Significance of the problem selected						
	2. Framing of title and objectives						
II	Literature Review						
	3. Inclusion of related studies on the topic, and its relevance						
	4. Operational definition						
III	Research Design						
	5. Use of appropriate research design						
	6. Usefulness of the research design to draw the inferences among stud variables / conclusion						
IV	Sampling design						
	7. Identification and description of the target population						
	8. Specification of the inclusion and exclusion criteria						
	9. Adequate sample size justifying he study design to draw conclusions.						
V	Data Collection Procedure						
	10. Preparation of appropriate tool						
	11. Pilot study including validity and reliability of tool						
	12. Use of appropriate procedure / method for data Collection						
VI	Analysis of Data & Interpretation						
	13. Clear and logical organization of the findings						
	14. Clear presentation of the tables (Title, table & Column heading)						
	15. Selection of appropriate statistical tests						

Sr. No.	Criteria	Rating					Remarks
		1	2	3	4	5	
VII	Ethical Aspects						
	16. Use of appropriate consent process						
	17. Use appropriate steps to maintain ethical aspects and principles (physical harm etc.)						
VIII	Interpretation of the findings						
	18. Consistent and appropriate discussion of the Results						
IX	Conclusion						
	19. Summary and recommendations for to Nursing Practice / Education / Administration						
X	Presentation / Report writing						
	20. Organization of the project work including Language and style of presentation						
	Maximum marks						100
	Marks obtained						
	Marks sent to University						/ 50

Remarks by the Supervisor / Guide

**Date:**

**Signature**

**Signature of the students Date**

# MANAGEMENT OF NURSING SERVICE & EDUCATION

## Internal assessment

### Evaluation

**Theory:** Maximum marks 25

Midterm 50  
Prefinal 75

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Total marks 125  
Out of 15

Assignment:

Seminar 100  
Ward management 25  
Diet sheet 25  
Clinical evaluation 100

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Total marks 250  
Out of 10

## External assessment

University examination

Theory Marks 75

<b>Examination Marks allotted</b>	<b>Sec – A</b>	<b>Sec - B</b>	<b>Sec - C</b>	<b>Total</b>	<b>Duration</b>
Mid term	10	20	20	50	2 hours
Pre-final	15	30	30	75	3 hours
Final	15	40	20	75	3 hours

