

**JAC COMMUNITY COLLEGE**  
**DIPLOMA IN HEALTH CARE (One year Course)**  
**GUIDELINES AND COURSE REGULATIONS (2024-2025)**

**Introduction**

Jayaraj Annapackiam College for Women Periyakulam was conferred Autonomous Status in Oct. 2004 since then it has been following Choice Based Credit System. It was accredited at “A+” Grade (4<sup>th</sup> Cycle) by NAAC in May 2021 with 3.46 as CGPA. As per the UGC guidelines of Community College and Mother Teresa Women’s University, the College has structured the Choice Based Credit System (CBCS) in view of the vision and mission of the Institution. The course regulations of the current formation of syllabi are given below:

**OBJECTIVES**

- To provide skill based education to students currently pursuing higher education but actually interested in entering the workforce at the earliest opportunity;
- To provide employable and certifiable skills with necessary general education to Senior Secondary School pass-outs not willing to join existing higher education system;
- To provide for up-gradation and certification of traditional/ acquired skills of the learners irrespective of their age;
- To provide opportunities for community-based life-long learning by offering courses of general interest to the community for personal development and interest;
- To integrate relevant skills into the higher education system;
- To make higher education relevant to the learner and the community;
- To provide opportunity to move to higher education in future; and
- To offer bridge courses to certificate holders of general / vocational education, so as to bring them at par with appropriate NVEQF level.

### PATTERN OF EVALUATION

For this Course there will be Continuous Internal Assessment (CIA) and Semester Examination(SE). The weightage ratio is

Paper	Internal marks	External marks	Total Marks
Theory	40	60	100
Practical	50	50	100

#### CIA Components:

Theory marks			Practical marks		
Test – I	:	30	Lab Work	:	15
Test – II	:	30	Record	:	10
Seminar / Quiz	:	10	Test / Viva	:	20
Assignment	:	05	Attendance	:	05
Attendance	:	05			
<b>Total</b>	:	<b>80*</b>	<b>Total</b>	:	<b>50</b>

#### CIA for Environmental Education:

The components of internal assessment for **Environmental Education** are as follows:

Components	Marks
Test I	40
Test II	40
Environment Trip Report	10
Assignment	10
<b>Total</b>	<b>100</b>

#### Internship:

Internal marks	External marks
Performance : 40	Record : 10
Attendance : 10	Viva voce : 40
<b>Total : 50</b>	<b>Total : 50</b>

\* The total Internal Marks of the Theory obtained for 80 will be converted into marks Obtained for 40

#### Pass Criteria:

Theory - 40%(Internal&External)

Lab - 40% (Internal&External)

**INTERNAL QUESTION PATTERN**

**Time: 2 Hours**

**Maximum Marks: 30**

**PART A**

- I. Answer **ANY FIVE** out of Eight Questions (5 X 2 = 10)

**PART B**

- II. Answer **ANY THREE** out of Six Questions. (3 X 4 = 12)

**PART C**

- III. Answer the following **ANY ONE** out of Three Questions. (1 X 8 = 8)

**EXTERNAL QUESTION PATTERN**

**Time: 3 Hours**

**Maximum Marks: 60**

**PART A**

- I. Answer **ANY FIVE** out of Eight Questions. (5 X 2 = 10)

**PART B**

- II. Answer **ANY FOUR** out of seven Questions. (4 X 5 = 20)

**PART C**

- III. Answer **ANY THREE** out of five Questions. (3 X 10 = 30)

**COMMUNICATION SKILLS-24DC1HC02**  
**INTERNAL QUESTION PATTERN**

**Time: 2 Hours**

**Maximum Marks: 30**

**PART A**

- I. Answer the following multiple-choice questions. (10 X 1 = 10)

**PART B**

- II. Answer **ANY THREE** out of Six Questions. (3 X 4 = 12)

**PART C**

- III. Answer the following **ANY ONE** out of Three Questions. (1 X 8 = 8)

**EXTERNAL QUESTION PATTERN**

**Time: 3 Hours**

**Maximum Marks: 60**

**PART A**

- I. Answer the following multiple-choice questions. (10 X 1 = 10)

**PART B**

- II. Answer **ANY FOUR** out of seven Questions. (4 X 5 = 20)

**PART C**

- III. Answer **ANY THREE** out of five Questions. (3 X 10 = 30)

**ENVIRONMENTAL EDUCATION-24DC2HC07**

**INTERNAL QUESTION PATTERN**

**Time: 2 Hours**

**Maximum Marks: 40**

**PART A**

- I. Answer **ANY FIVE** out of five Question. (5X2 = 10)

**PART B**

- II. Answer **ANY FOUR** out of Six Questions. (4X 5= 20)

**PART C**

- III. Answer **ANY ONE** out of Three Questions. (1X 10 = 10)

### PROGRAMME OUTCOME

PO. NO.	UPON COMPLETION OF THIS PROGRAMME THE STUDENTS WILL BE ABLE TO
1.	Think critically, evaluate analytically and apply the acquired Knowledge of their discipline in related scenario.
2.	Formulate hypothesis, design experiments, use appropriate tools and interpret the results.
3.	Demonstrate the precise understanding of the principles and theories of their discipline through experiments.
4.	Enhance the communicative skills and gain confidence to disseminate knowledge through oral/verbal communications effectively at various situations.
5.	Identify the different roles in an organizational structure of the workplace and carry out multiple roles in social responsibilities.
6.	Increase self- awareness, set and pursue meaningful goals, and develop positive personal qualities.

### PROGRAM SPECIFIC OUTCOMES -DHC

PSO	UPON COMPLETION OF THIS PROGRAMME THE STUDENTS WILL BE ABLE TO	PO MAPPED
PSO-1	Identify and analyze human body parts structure of internal human organs and its function and know about abnormalities	PO-1 PO-2 PO-3
PSO-2	Demonstrate their ability to diagnose the patient and give basic living care. Able to handle the patients individually with hospitality.	PO-1 PO-3
PSO-3	Apply the knowledge and understanding of maternal care and child care preventive measures of mortality and morbidity rate	PO-2 PO-3
PSO-4	Acquire the basics fundamentals domain knowledge for developing effective computing solution and cultivate communicative competency and writing skills required in job market	PO-1 PO-4
PSO-5	Able to know the values of life like personal, social, mental and thereby make them a good interpersonal relationship who copes with the issues of life	PO-5 PO-6

**COURSE PATTERN (2024 -2025)**

<b>CODE</b>	<b>PAPER</b>	<b>HRS</b>	<b>CREDIS</b>	<b>HRS</b>	<b>CREDIS</b>	<b>TOTAL</b>
<b>(SEM I) JOB ROLE : GENERAL DUTY ASSISTANT / HOME NURSE</b>						
<b>SEM I</b>	<b>GENERAL EDUCATION</b>					
24DC1HC01	Anatomy and Physiology	5	5	-	-	5
24DC1HC02	Communication Skills	4	4	-	-	4
24DC1HC03	Life Coping Skills	3	3	-	-	3
<b>SKILL COMPONENT</b>						
24DC1HC04	Fundamentals of Nursing	6	6	-	-	6
24DC1HCP1	Fundamentals of Nursing -Lab	-	-	12	12	12
<b>TOTAL FOR SEMESTER I</b>		-	-	<b>30</b>	-	<b>30</b>
<b>(SEM II) JOB ROLE : MIDWIFERY / COMMUNITY HEALTH NURSE</b>						
<b>SEM II</b>	<b>GENERAL EDUCATION</b>					
24DC2HC05	Community Health Nursing	5	5	-	-	5
24DC2HC06	Computer Fundamentals for Nursing Assistant	4	4	-	-	4
24DC2HC07	Environmental Education	3	3	-	-	3
<b>SKILL COMPONENT</b>						
24DC2HC08	Maternal and Child Health	6	6	-	-	6
24DC2HCP2	Maternal and Child Health Lab	-	-	12	10	12
24DC2HCI1	Internship	-	-	-	2	-
<b>TOTAL FOR SEMESTER II</b>		-	-	<b>30</b>	-	<b>30</b>

## ANATOMY AND PHYSIOLOGY

Semester : I  
Sub. Code : 24DC1HC01

Hours : 5/week(75/Semester)  
Credits: 5

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Analyze the structure and function of the body	PSO-1	K4
CO-2	Discover the communicable disease, symptoms and treatment	PSO-2	K3
CO-3	Know the responsibilities of preventing infections	PSO-2,PSO-3	K1
CO-4	Understand about vital organs and and its importance of function	PSO-1	K2
CO-5	Gain knowledge about basics of pharmacology	PSO-2,PSO-5	K1

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: I		ANATOMY AND PHYSIOLOGY										HOURS : 5
Code: 24DC1HC01												CREDITS : 5
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO'S
	1	2	3	4	5	6	1	2	3	4	5	
CO-1	4	3	3	2	3	2	4	5	5	3	3	3.36
CO-2	4	4	3	4	3	3	4	4	2	2	2	3.18
CO-3	5	4	3	2	3	4	5	4	3	2	2	3.36
CO-4	4	4	5	4	4	3	3	5	3	2	3	3.36
CO-5	3	4	5	2	5	3	2	3	5	3	5	3.63
<b>Overall Mean Score</b>												<b>3.37</b>

**Result:** The score for this course is: 3.37 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

Mean Score of Cos = $\frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	Mean Overall Score for Cos= $\frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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**UNIT I : INTRODUCTION****(15 HOURS)**

Definition of anatomy and physiology - Structure of the skeletal system and its Normal function and, abnormalities- Nervous system ( Central and Peripheral ) Major Function – Abnormalities

**UNIT II : VITAL ORGANS****(15 HOURS)**

Circulatory System – Structure of the Heart. Blood Circulation. Cardiac symptoms, MI. Respiratory System – Lung , Mechanism of Respiration, Function of Blood Purification, Respiratory Problems. Digestive System – Alimentary canal and it's function, Digestive abnormalities.

**UNIT III: EXCRETORY SYSTEM****(15 HOURS)**

Urinary system – Kidney,Ureter, Bladder, Urethra, Filtration of urine,Nephrolithiasis,AKD,CKD. Integumentary system – Layer of skin,Types of muscle, Function of skin, Skin Diseases.

**UNIT IV: HORMONAL ORGANS****(15 HOURS)**

Introduction Reproductive System – Reproductive organ of male and female. Menstrual Cycle,Infertility. Immune System – Lymphoid organs, Major parts and Functions of immune system, Endocrine Organs Structure of endocrine Types of Endocrine Organs.

**UNIT V : BASIC PHARMACOLOGY****(15 HOURS)**

Fact Pharmacology – Anti viral agents, Antimicrobial agents, Antibiotics agents – Antibacterial agents – Analgesics – Antipyretics – Steroids – NSAID – Anticoagulants – Anti inflammatory agents – Anti diabetics drugs – Antihypertensive drugs – Nurses responsibilities of administer drugs.

**TEXT BOOK:** Course Material.

**REFERENCE BOOK:**

Chacklay .A.M. A text book for the Health Worker (ANM) .Volume I & II

## COMMUNICATION SKILLS

**Semester : I**  
**Sub. Code: 24DC1HC02**

**Hours 4/week(60/Semester)**  
**Credits: 4**

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Learn about Communication	PSO-4	<b>K1</b>
CO-2	Know about IPR (Interpersonal Relationship)	PSO-4	<b>K1</b>
CO-3	Create awareness about the Communication Aids & Blocks.	PSO-4	<b>K6</b>
CO-4	Able to perform Speaking and Group Discussion using verbal signs	PSO-4	<b>K1</b>
CO-5	Learn about various Communication Skills	PSO-4	<b>K1</b>

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester:1		COMMUNICATION SKILLS										Hours: 4
Code: 24DC1HC02												Credits: 4
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO's
	1	2	3	4	5	6	1	2	3	4	5	
CO-1	2	2	3	5	5	4	2	5	2	5	4	3.5
CO-2	2	3	3	5	5	3	2	2	3	5	5	3.4
CO-3	2	2	3	5	5	5	2	2	3	5	4	3.4
CO-4	4	2	2	5	4	5	2	2	3	5	4	3.4
CO-5	5	2	2	5	5	5	2	2	3	5	4	3.1
<b>Overall Mean Score</b>											<b>3.36</b>	

**Result:** The score for this course is: 3.36 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

Mean Score of Cos = $\frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	Mean Overall Score for Cos= $\frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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**UNIT I: INTRODUCTION TO COMMUNICATION (12 HOURS)**

Introduction-Definition-Elements of communication-Importance of communication-Importance of communication-The communication process.

**UNIT II: EFFECTIVE COMMUNICATION & INTERPERSONAL RELATIONS(12 HOURS)**

Effective Communication – Guidelines for Effective Communication– Three Principles of Communication– Improving Personal Relationship – Factors that Determine Friendship – Meeting People for the First Time– Developing Friendships – Communication Setting in Touch with your Feelings 3 Steps towards Better Relationships – What is the social skills model? – Goal – Perception – Translation - Motor Responses.

**UNIT III: TYPES OF COMMUNICATION & SITUATIONAL LANGUAGE (12 HOURS)**

Public Speaking – Speech Structure – Steps to Successful Delivery of the Speech – Non-Verbal Communication –Group Discussion – The importance of Group Testing – Guidelines for Group Discussion – Factors that matter in a Group Discussion – Definition of Leadership Communication – Types of Leadership Situational Language – Greetings – Introduction – Invitation – Making Requests –Seeking Permission.

**UNIT IV: CAREER ORIENTED COMMUNICATION SKILLS (12 HOURS)**

Interview Skills – Definition – Kinds of Interview – Preparation for Job Interview – Presentation Skills – The Nature of the Audience – Organise your Presentation to reach your Audience – The Structure of the Presentation.

**UNIT-V: APPLIED GRAMMAR FOR BETTER COMMUNICATION (12 HOURS)**

Parts of Speech – Tenses-Articles-Prepositions.

**TEXTBOOK:**

Prepared by parent department

**REFERENCE BOOK:**

- “Walking The Extra Mile” a text book on Interpersonal Relationship and Communication Skills,Dr.Xavier Alpones S.J.
- Improve your Communication Skills by Alan Barker.
- English Grammar & Usage: An Ideal Companion for Advanced Learners by J.S.Rohan Savarimuttuand G.Petricia Alphine NirmaL

## LIFE COPING SKILLS

**Semester : I**

**Hours: 3/week(45/Semester)**

**Sub. Code: 24DC1HC03**

**Credits: 3**

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Attain Coping Skills to Face this Competitive World	PSO-5	<b>K5</b>
CO-2	Learn to Think Positively in all Situations	PSO-5	<b>K1</b>
CO-3	Understand about Goal and steps to be taken to attain Goal	PSO-5	<b>K2</b>
CO-4	To be able to Manage Time in their life because "Managing Time is Managing Life"	PSO-5	<b>K2</b>
CO-5	Learn Techniques to Handle Stress	PSO-5	<b>K1</b>

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester:I		LIFE COPING SKILLS										Hours: 3
Code: 24DC1HC03												Credits:3
Course Outcome s	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO's
	1	2	3	4	5	6	1	2	3	4	5	
CO-1	3	2	2	3	5	5	2	2	5	2	2	3
CO-2	2	2	4	2	5	5	2	2	5	2	2	3
CO-3	3	2	3	2	4	5	2	2	5	3	2	3
CO-4	2	3	4	5	5	5	2	3	5	4	2	3.6
CO-5	4	2	3	3	5	5	2	2	2	3	2	3
<b>Overall Mean Score</b>											<b>3.12</b>	

**Result:** The score for this course is: 3.12 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

$\text{Mean Score of Cos} = \frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	$\text{Mean Overall Score for Cos} = \frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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**UNIT I : COPING AND SELF ESTEEM (9HOURS)**

Coping– Definition– Positive, Negative, Two kinds of coping, Problem focused coping, Emotion Focused Coping. Self – Esteem – Definition- Factors Influencing Self Esteem-Qualities of People with High and Low Self Esteem.

**UNIT II: POSITIVE THINKING AND MOTIVATION (9HOURS)**

Positive Thinking – Meaning- Nine simple workable rules to Practice Faith- The profile of a positive thinker – Motivation- Meaning- Motivation Leads to Self – Actualization by Abraham Maslow – Push and Pull Motives.

**UNIT III : GOAL SETTING AND STRESS MANAGEMENT (9HOURS)**

Goal – Definition – Obstacles to set Goal – Types – “SMART” Goal – Stress – Meaning- Kinds and Types of Stress- Effects of Stress on Body – Sources of Stress and Tips to Manage Stress.

**UNIT IV: TIME MANAGEMENT AND COPING WITH STUDY PROBLEM (9HOURS)**

Time management- Meaning – Tips to Correct Lateness Problem- Factors of Time Management (Time Factor) – Tips for Time Management. Coping with Study – Introduction -Coping with your study patterns – Steps to Better Study.

**UNIT V: CAREER GUIDANCE (9HOURS)**

Meaning and Objectives of Career Guidance – Sources for Career Placement - Career Planning – Preparation for Employment – Preparing own Biodata – Looking for Opportunities –Preparing for the Interview

**TEXTBOOK:**

prepared by Parent Department.

**REFERENCE BOOK:**

1. “**WE SHALL OVERCOME**”, a textbook on Life Coping Skills, Dr. Xavier Alphonse S.J.
2. Ravikanth Rao .K .**Life Skills Education**, 2016
3. Shiv Kera, “**You Can Win**” , Macmillan India Ltd: New Delhi : 1998

## FUNDAMENTALS OF NURSING

Semester : I

Hours : 6/week(90/Semester)

Sub. Code: 24DC1HC04

Credits : 6

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Gain knowledge about Aseptic techniques and medications	PSO-2	K1
CO-2	Able to learn respiratory and circulatory emergencies	PSO-2,PSO-3	K3
CO-3	Demonstrate the hygienic care to the patients	PSO-1, PSO-2,PSO-3	K3
CO-4	Understand about how to maintain the records and reports	PSO-2, PSO-5	K2
CO-5	Assess the patient condition for first aid	PSO-2,PSO-3	K5

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: I		FUNDAMENTALS OF NURSING										HOURS : 6
Code: 24DC1HC04												CREDITS : 6
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO'S
	1	2	3	4	5	6	1	2	3	4	5	
CO-1	3	5	5	2	4	3	2	5	4	2	3	3.45
CO-2	5	4	4	3	4	3	4	5	5	2	4	3.90
CO-3	3	4	5	4	4	3	2	5	3	3	3	3.54
CO-4	2	4	3	4	4	2	2	5	5	3	4	3.45
CO-5	5	4	5	3	3	2	4	5	5	2	3	3.72
<b>Overall Mean Score</b>												<b>3.61</b>

**Result:** The score for this course is: 3.61 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

$\text{Mean Score of Cos} = \frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	$\text{Mean Overall Score for Cos} = \frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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**UNIT I: INTRODUCTION****(18 HOURS)**

Introduction to Nursing Concept; Basic Criteria for nurses, Records & Reports; Maintaining a Healthy Environment – Role of nurse in providing safe & clean environment.

**UNIT II: NURSING TECHNIQUE****(18 HOURS)**

Observation and Examination; Aseptic Practices and Procedures - Surgical Asepsis; Medications and Therapies – Oral Medications- Injections - Local applications – Abbreviations of routes – Incubators.

**UNIT III: NURSING CARE OF PATIENTS****(18 HOURS)**

Chronically ill Patients – Pre-Operative Care of Patients – Post operative care of patients. – Wound care – Sitz Bath – ICU Care

**UNIT IV: MEETING HYGENIC & COMFORT NEEDS****(18 HOURS)**

Care of Skin – Bathing a Patient, Bed Bath / Sponge Bath, Nutrition, Mouth Care fungal thrash , Changing Position of Patient – Making a Comfortable Bed in Home & Hospital - Nebulization

**UNIT V: FIRST-AID AND EMERGENCY NURSING****(18 HOURS)**

Introduction - Promoting Safety – Consciousness - Injuries to Bone Joints - Hemorrhages - Poisons Swallowed etc, -Foreign Bodies in Eye, Ear, Nose, Throat etc - do not make foolish attempt - Snake-Bite ,Dog Bite, Insect Bite and Stings, Scalds and Burns. Do's & Don'ts for Platinum Minutes and Golden Hours – Circulatory & Respiratory Emergency - Position of Patients - Life Saving Measures - Consent & Informed Consent – CPR(Cardiac Respiratory Resuscitation).

**TEXT BOOK:** Course Text

**REFERENCE BOOK:**

1. **Chacklay, A.M.** A text book for the Health Worker (ANM) Volume I & II
2. **Brunner and Sudharth** text book of Medical Nursing 10<sup>th</sup> edition 2002

## FUNDAMENTALS OF NURSING – LAB

Semester : I

Hours: 12/week(180/Semester)

Sub. Code: 24DC1HCP1

Credits: 12

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Gain knowledge about process of nursing in various clinical setting.	PSO-2	K1
CO-2	Able to administration of medications.	PSO-2,PSO-3	K3
CO-3	Understand the responsibilities of hygienic daily living care to the patients.	PSO-1, PSO-2,PSO-3	K2
CO-4	Analyze reports from following samples blood,urine,sputum,pus sample form the patients.	PSO-2	K4
CO-5	Gain knowledge about various comfortable positions.	PSO-1,PSO-2	K1

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: I		FUNDAMENTALS OF NURSING- LAB										HOURS : 12
Code: 24DC1HCP1												CREDITS : 12
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO'S
	1	2	3	4	5	6	1	2	3	4	5	
CO-1	5	3	5	4	4	3	3	5	4	2	3	3.72
CO-2	4	3	4	4	5	2	4	5	4	3	2	3.63
CO-3	2	4	5	3	3	2	5	3	3	3	2	3.18
CO-4	3	4	5	4	3	2	5	5	3	2	3	3.54
CO-5	3	5	5	3	4	3	5	4	3	2	2	3.54
<b>Overall Mean Score</b>												<b>3.52</b>

**Result:** The score for this course is: 3.52 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

$\text{Mean Score of Cos} = \frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	$\text{Mean Overall Score for Cos} = \frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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## **FUNDAMENTALS OF NURSING – LAB**

1. CLEANING AND BED MAKING
2. CHECKING VITAL SIGNS
3. HISTORY COLLECTION & PHYSICAL EXAMINATION
4. INJECTIONS (IM, IV, SC, ID, INTRA SUBDERMAL)
5. URINE TEST (REACTION, ALBUMIN, SUGAR, DEPOSITS, BILES & BILE PIGMENTS, SPECIFIC GRAVITY)
6. CHANGING THE POSITION FOR THE HELPLESS PATIENT
7. ORAL CARE
8. BED SHAMPOO
9. BACK CARE
10. CARE OF EYE, NOSE AND EAR
11. SPONGE BATH
12. COLLECTION OF SPECIMEN
  - BLOOD
  - PUS
  - URINE
  - SPUTUM
  - STOOL
13. NEBULIZATION
14. GIVING ENEMA
15. GASTRIC LAVAGE
16. NASO GASTRIC TUBE FEEDING
17. DRESSING
18. CARE RUBBER HOODS

## COMMUNITY HEALTH NURSING

**Semester : II**

**Hours : 5/week(75/Semester)**

**Sub. Code: 24DC2HC05**

**Credits: 5**

**COURSE OUTCOMES:**

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Gain knowledge about Population indicator factors	PSO-3	<b>K1</b>
CO-2	Assess the periodical health examination in the community.	PSO-1,PSO-2	<b>K5</b>
CO-3	Know about BMI(Body Mass Index) and Nutritional value of Foods.	PSO-1,,PSO-3	<b>K1</b>
CO-4	Understand Importance of Environmental Sanitation.	PSO-2,PSO-3	<b>K2</b>
CO-5	Summarize about How to give Health education to the patients.	PSO-1,PSO-3,PSO-5	<b>K5</b>

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: I		COMMUNITY HEALTH NURSING										HOURS : 5
Code: 24DC2HC05												CREDITS : 5
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO'S
	1	2	3	4	5	6	1	2	3	4	5	
CO-1	4	3	4	2	4	4	3	3	5	2	3	<b>3.36</b>
CO-2	3	4	3	2	4	4	3	5	3	2	3	<b>3.27</b>
CO-3	3	4	5	2	3	2	5	3	3	2	3	<b>3.18</b>
CO-4	5	3	4	3	2	3	3	5	4	2	3	<b>3.36</b>
CO-5	4	4	5	2	4	3	5	5	4	3	2	<b>3.72</b>
<b>Overall Mean Score</b>											<b>3.37</b>	

**Result:** The score for this course is: 3.37 (High relationship)

**Note:**

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

**Values Scaling:**

$\text{Mean Score of Cos} = \frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	$\text{Mean Overall Score for Cos} = \frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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**UNIT I : POPULATION INDICATORS****(15 HOURS)**

Definition – Methods of contraception – Long acting contraception – Hormonal contraception – Barrier methods – Emergency contraception.

**UNIT II: HYGIENE****(15 HOURS)**

Introduction to Hygiene and Healthy living, Physical Health, Periodical Health Examinations, Health in Home, Mental Hygiene and Health in Family, Early Childhood, Later Children, Adult Care, Adulthood and Old Age Problems - Geriatric Medicines – Care of Bed Sore – Paraplegia and hemiplegia Patient - COPD and Cardiac Diseases

**UNIT III: NUTRITION****(15 HOURS)**

Introduction - Nutrition Education – Classification of food - Balanced Diet - Preparation and Preservation of Food - Deficiency Diseases of Malnutrition – Obesity & BMI - Food Adulteration Practices – Diet for Diabetes Mellitus, Hypertension.

**UNIT IV: ENVIRONMENTAL SANITATION****(15 HOURS)**

Basic Sanitation needs of Village, Towns and Semi-Urban Areas – Disinfections – Sterilization – Bio medical waste management – Disposal refuge.

**UNIT V: HEALTH EDUCATION****(15 HOURS)**

Aims of Health Education – Nursing Education – Approaches – Group Health Education- Community Health Bag-Cold Chain – DOTS Therapy, Vaccine Carrier- Programmes (Mid Day Meal Programme & School Health Programme)

**TEXT BOOK:** Course Text

**REFERENCE BOOK:**

1. A text book for the Health Worker ( ANM), K.Park ,
2. Essentials of Community Health Nursing,
3. Basavantappa B.T., Community Health Nursing

## COMPUTER FUNDAMENTALS FOR NURSING ASSISTANT

Semester : II

Hours: 4/week(60/Semester)

Code: 24DC2HC06

Credits: 4

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Understanding about Excel Toolbars	PSO-4	K2
CO-2	Learn about Formulas and Calculations	PSO-4	K1
CO-3	Instill about PowerPoint Presentations	PSO-4	K3
CO-4	Learning about Internet and Email	PSO-4	K1
CO-5	Maintaining Records and Doing Calculations using Excel	PSO-4	K3

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: 24DC2HC06		COMPUTER FUNDAMENTALS FOR NURSING ASSISTANT										Hours: 4/week	
Code: II												Credits: 4	
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO's	
	1	2	3	4	5	6	1	2	3	4	5		
CO-1	5	5	2	3	4	3	2	2	2	5	2	3.1	
CO-2	5	5	2	2	5	5	3	2	2	5	2	3	
CO-3	5	5	2	3	4	3	2	3	2	5	2	3.2	
CO-4	5	5	4	2	5	4	2	2	2	5	2	3.4	
CO-5	5	5	2	2	5	5	2	3	2	5	2	3.4	
<b>Overall Mean Score</b>												<b>3.22</b>	

**Result:** The score for this course is: 3.22(High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

Mean Score of Cos = $\frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	Mean Overall Score for Cos = $\frac{\text{Total of Mean Scores}}{\text{Total No. of Co}}$
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**UNIT I: INTRODUCTION****(12 Hours)**

Definition of Computers-Computer Hardware-Software-Input Devices-Output Devices -Components of Computer-Types of Software-Operating System. Internet, Connecting to the Internet – Understanding the Email.

**UNIT II: MICROSOFT WORD****(12Hours)**

Overview Of MS Word-Creating a new Document-Working with Menus-Alignment the Document- Printing the Document-Closing the Word/Document.

**UNIT III: MICROSOFT EXCEL****(12 Hours)**

Starting Ms Excel-Study of Excel work environment-Working with Menus- Formatting theWorksheet-Printing the worksheet-Closing the Worksheet.

**UNIT IV: MANUPULATING DATA****(12 Hours)**

Formulas and Functions-Excel Calculation mode-Automatic filling entries-Applying Formulas- Working with Chart-manipulating data: Cut, Copy, Paste, Edit, Delete, Save, Update, Modify, andInsert.

**UNIT V: ADDING ANIMATION IN SLIDES****(12 Hours)**

Creating a presentation using design template – adding transition effects to slides – animating individual slide elements with custom animation – previewing animation effects in the slide- saving the presentation – set up show – closing presentation and quitting PowerPoint.

**TEXT BOOK:** Course Text.**REFERENCE BOOK:**

1. Vikas gupta, “Comdex 14 in computer Course Kit, Dreamtech Press, 2008 condition
2. Dr. Xavier Alphonse S.J. “Computer Made Easy a textbook on Basic Computer Skills”, 2005 Edition.
3. Unit II & III - “Comdex 14-in-1 Computer Course Kit”, Vikas Gupta, Dreamtech Press 2008 Edition

## ENVIRONMENTAL EDUCATION

Semester : II

Hours: 3/week(45/Semester)

Sub. Code: 24DC2HC07

Credits: 3

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Recall the components our planet earth	PSO-5	K1
CO-2	Elucidate and understand the important of Natural resources	PSO-5	K2
CO-3	Summarise the energy status of the environment	PSO-5	K2
CO-4	Acquire knowledge on the conservation of our environment	PSO-5	K1
CO-5	Analyse the significance of water and climate towards sustainable development	PSO-5	K4

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester:II		ENVIRONMENTAL EDUCATION										Hours: 3	
Code: 24DC2HC07												Credits: 3	
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO's	
	1	2	3	4	5	6	1	2	3	4	5		
CO-1	4	3	2	2	5	5	3	2	2	3	4	3.1	
CO-2	3	2	5	2	5	5	3	2	2	3	3	3.1	
CO-3	4	2	3	2	5	5	3	3	3	2	2	3	
CO-4	5	2	3	2	5	5	2	3	3	2	3	3.1	
CO-5	4	2	4	3	5	5	3	3	3	2	3	3.3	
<b>Overall Mean Score</b>												<b>3.12</b>	

**Result:** The score for this course is: 3.12 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

Mean Score of Cos = $\frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	Mean Overall Score for Cos= $\frac{\text{Total of Mean Scores}}{\text{Total No. of Co}}$
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**UNIT I: MULTIDISCIPLINARY NATURE OF ENVIRONMENTAL STUDIES (9 HOURS)**

Definition, scope and importance - Need for public awareness

**UNIT II: NATURAL RESOURCES (9 HOURS)**

Classification of Resources: Renewable and non - renewable resources - Forest resources, water resources, mineral resources, food resources, energy resources, Land resources - associated problems; Role of an individual in conservation of natural resources.

**UNIT III: ECOSYSTEMS (9 HOURS)**

Introduction - Concept of an ecosystem - Structure and function of an ecosystem - producers, consumers and decomposers – Types, characteristic features, structure and function of the following Eco system: Forest, grass land, desert and aquatic.

**UNIT IV: ENVIRONMENTAL POLLUTION (9 HOURS)**

Definition, Causes, effects and control measures of Air pollution, Water pollution, Soil pollution, Marine pollution, Noise pollution, Thermal pollution, nuclear hazards, Solid waste management, Role of an individual in prevention of pollution.

**UNIT V: SOCIAL ISSUES AND THE ENVIRONMENTS (9 HOURS)**

Urban problems related to energy Water conservation, rain water harvesting, water shed management, Climate change, global warming, acid rain and ozone layer depletion, nuclear accidents and holocaust, case studies. Waste land reclamation.

**TEXT BOOK:** Course Text

**REFERENCE BOOK:**

- Murugesan, R., (2007). Environmental science and Engineering, Millenium publication, Madurai.
  - ✓ UNIT I : Section - 1.1 & 1.2
  - ✓ UNIT II : Section - 1.3 to 1.37
  - ✓ UNIT III : Section - 2.1 to 2.7 & 2.10 to 2.27
  - ✓ UNIT IV : Section - 3.1 to 3.37
  - ✓ UNIT V : Section - 4.1 to 4.17

## MATERNAL AND CHILD HEALTH

Semester : II

Hours: 6/week (90/Semester)

Sub. Code: 24DC2HC08

Credits: 6

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Gain knowledge about Safe and Quality Maternal and Child Health care services.	PSO-3	K1
CO-2	Analyze about Immunization Schedule of Childrens and It's Importance	PSO-1,PSO-2	K4
CO-3	Know about Antenatal,Intranatal,Postnatal and Physiological Changes During Pregnancy.	PSO-3	K1
CO-4	Assess the Complications in Maternal Cycle.	PSO-3	K3
CO-5	Understand Importance of Record and Report Maintenance.	PSO-2,PSO-3	K2

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: I		MATERNAL AND CHILD HEALTH										HOURS : 6	
Code: 24DC2HC08												CREDITS : 6	
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO'S	
	1	2	3	4	5	6	1	2	3	4	5		
CO-1	5	4	5	4	5	3	3	4	5	2	3	3.90	
CO-2	4	5	5	3	4	3	5	5	5	2	2	3.90	
CO-3	4	3	5	4	3	4	5	4	5	3	2	3.81	
CO-4	5	3	4	3	5	3	4	5	5	2	2	3.72	
CO-5	3	2	4	3	4	2	2	4	5	3	3	3.18	
<b>Overall Mean Score</b>												<b>3.70</b>	

**Result:** The score for this course is: 3.70 (High relationship)

#### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

#### Values Scaling:

$\text{Mean Score of Cos} = \frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	$\text{Mean Overall Score for Cos} = \frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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**UNIT I : INTRODUCTION TO MATERNAL HEALTH (18 HOURS)**

Care during Maternity Cycle - - Conception Period – Antenatal ,intranatal, Post-Natal care - Neonatal resuscitation - - Organization of Maternal Health Care Services

**UNIT II : MATERNITY AND NORMAL LABOUR (18 HOURS)**

Physiological changes during Pregnancy - Growth and Development of Fetus – Normal preparation on pregnancy women - Normal placenta.

**UNIT III: ABNORMAL LABOUR & PUERPERIUM (18 HOURS)**

Complications of Labour - Obstetric Operators - Abnormal Puerperium.

**UNIT IV: INTRODUCTION TO CHILD HEALTH (18 HOURS)**

Growth and Development of a Child; The new born – Immunization Schedule - Nutritional requirements – Safety measures and hazards, Protection of Child's Health - Immunization Schedules - Agencies for Child Care and Welfare - Health Education on Child Care.

**UNIT IV: MAINTAINING RECORDS & STATISTICS (18 HOURS)**

Maintenance of Records – Responsibility in keeping Records – Maternal Mortality Rate (MMR) – Causes for Maternal Mortality Rate – Factors associated with MMR.- Statistics – Case Sheet.

**TEXT BOOK: Course Text**

**REFERENCE BOOK:**

1. **Chacklay, A.M.** A text book for the Health Worker ( ANM) Volume I & II
2. **D.C DUTTA** Text Book Of Obstetrics 4<sup>th</sup> Edition Published By New Central Book Agency (P) Ltd.
3. **Park's** Text Book of preventive and social Medicine 15<sup>th</sup>
4. **Edition 1997**, Banarsidas Bhannot Jabalpu

## MATERNAL AND CHILD HEALTH - LAB

**Semester : II**  
**Sub. Code: 24DC2HCP2**

**Hours: 12/week(180/Semester)**  
**Credits: 10**

### COURSE OUTCOMES:

CO. NO.	UPON COMPLETION OF THIS COURSE THE STUDENTS WILL BE ABLE TO	PSO ADDRESSED	COGNITIVE LEVEL
CO-1	Gain knowledge about cardio pulmonary resuscitation.	PSO-1,PSO-2,PSO-3	<b>K5</b>
CO-2	Able to gain knowledge about under five assessment	PSO-1,PSO-3	<b>K5</b>
CO-3	Know about Antenatal,Intranatal,Postnatal Examination.	PSO-1,PSO-2,PSO-3	<b>K1</b>
CO-4	Gain knowledge about How to give Health education to the patients.	PSO-2,PSO-3	<b>K5</b>
CO-5	Understand Importance of vital signs during blood transfusion.	PSO-1,PSO-3	<b>K3</b>

### RELATIONSHIP MATRIX FOR COURSE OUTCOMES, PROGRAMME OUTCOMES AND PROGRAMME SPECIFIC OUTCOMES

Semester: I		<b>MATERNAL AND CHILD HEALTH</b>										HOURS : 6	
Code: 24DC2HC08												CREDITS : 6	
Course Outcomes	Programme Outcomes (PO)						Programme Specific Outcomes (PSO)					Mean Score of CO'S	
	1	2	3	4	5	6	1	2	3	4	5		
CO-1	5	5	5	3	5	2	5	5	5	2	3	<b>4.09</b>	
CO-2	4	4	5	3	5	3	5	4	4	3	3	<b>3.90</b>	
CO-3	4	4	4	3	4	2	5	3	5	2	2	<b>3.45</b>	
CO-4	3	4	5	4	4	3	3	4	5	3	3	<b>3.72</b>	
CO-5	5	4	4	2	3	2	5	4	5	3	3	<b>3.18</b>	
<b>Overall Mean Score</b>												<b>3.66</b>	

**Result:** The score for this course is: 3.66 (High relationship)

### Note:

Mapping	1-20%	21-40%	41-60%	61-80%	81-100%
Scale	1	2	3	4	5
Relation	0.0-1.0	1.1-2.0	2.1-3.0	3.1-4.0	4.1-5.0
Quality	Very Poor	Poor	Moderate	High	Very High

### Values Scaling:

Mean Score of Cos = $\frac{\text{Total of Values}}{\text{Total No. of Pos \& PSos}}$	Mean Overall Score for Cos = $\frac{\text{Total of Mean Scores}}{\text{Total No. of Cos}}$
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## **MATERNAL AND CHILD HEALTH:**

1. Perineal Care
2. Vaginal Examination (Assisting)
3. Rectal Suppositories
4. Admission & Discharge
5. Resuscitation
6. Catheterization
7. Enema
8. Newborn Assessment(Birth Defects)
  - ❖ Skin – Cleft lip, Cleft Palate.
  - ❖ Heart – ASD, USD.
  - ❖ Anus – Imperforated Anus.
  - ❖ Vagina – Hyman of vagina.
  - ❖ Spine – Spina Bifida, Meninges.
9. Blood Transfusion (Assisting)
10. Health Education
11. Vital Signs
12. Under Five Assessment
13. Antenatal Assessment
14. Postnatal Assessment
15. Blood Grouping and Typing.

**INTERNSHIP : 22DC2HCI1**