

JAC COMMUNITY COLLEGE
DIPLOMA IN HEALTH CARE (One year Course)
COURSE PATTERN (2022 -2023)

CODE	PAPER	HRS	CREDITS	HRS	CREDITS	TOTAL
(SEM II) JOB ROLE : MIDWIFERY / COMMUNITY HEALTH NURSE						
SEM II	GENERAL EDUCATION					
22DC2HC05	Community Health Nursing	5	5	-	-	5
22DC2HC06	Computer Fundamentals for Nursing Assistant	4	4	-	-	4
22DC2HC07	Environmental Education	3	3	-	-	3
SKILL COMPONENT						
22DC2HC08	Maternal and Child Health	6	6	-	-	6
22DC2HCP2	Maternal and Child Health - Lab	-	-	6	6	6
22DC2HCP3	Internship	-	-	6	6	6
TOTAL FOR SEMESTER		-	-	30	-	30

COMMUNITY HEALTH NURSING

Semester : II

Hours : 5/week (75/Semester)

Sub. Code: 22DC2HC05

Credits: 5

COURSE OUTCOME:

- To know about Actions and Adverse Effects of Drugs
- To gain Knowledge about Periodical Health Examination⁶
- To know about BMI (Body Mass Index) and Nutritional Value of Foods
- To gain Knowledge about MMR Causes and Factors
- To Understand Importance of Environmental Sanitation

UNIT I : BASIC MEDICINE AND PHARMACOLOGY

(15 HOURS)

Introduction - Home Nursing and Elementary Medical Care - Treatment of Minor Ailments- Basic Medical Care - Pharmacology - Sources of Drugs - Drug Legislation - - Weights and Measures - Abbreviation in Common use – Action of Drugs – Adverse Effects.

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 - Nutritive Value of Food Stuff - Balanced Diet - Preparation and Preservation of Food - Deficiency Diseases of Malnutrition – Obesity & BMI - Food Adulteration Practices.

UNIT IV: ENVIRONMENTAL SANITATION

(15 HOURS)

Basic Sanitation needs of Village, Towns and Semi-Urban Areas – Disinfections - Sterilization

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: 22DC2HC06

Credits: 4

COURSE OUTCOME:

- Understanding about Excel Toolbars
- Learning about Formulas and Calculations
- Instill about PowerPoint Presentations
- Learning about Internet and Email
- Maintaining Records and Doing Calculations using Excel

UNIT I: INTRODUCTION

(12 Hours)

Definition of Computers-Computer Hardware-Software-Input Devices-Output Devices - Components of Computer-Types of Software-Operating System.

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 the Worksheet-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, and Insert.

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
Sub. Code: 22DC2HC07

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

COURSE OUTCOME:

- Recall the components our planet earth
- Elucidate and understand the importance of Natural resources
- Summarise the energy status of the environment.
- Acquire knowledge on the conservation of our environment
- Analyse the significance of water and climate towards sustainable development

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: 22DC2HC08

Credits: 6

COURSE OUTCOME:

- To know about Maternal Health Care Services
- To gain Knowledge about Immunization Schedule of Children's and its Importance
- To know about Physiological Changes during Pregnancy
- To gain Knowledge about MMR Causes and Factors
- To Understand about Record Maintenance

UNIT I : INTRODUCTION TO MATERNAL HEALTH (18 HOURS)

Care during Maternity Cycle – Conception Period, Antenatal, prenatal, Post-Natal, Neonatal resuscitation - Organization of Maternal Health Care Services, Female reproductive system.

UNIT II : 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 III: MATERNITY AND NURSING (18 HOURS)

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

UNIT IV: ABNORMAL LABOUR & PUERPERIUM (18 HOURS)

Complications of Labour - Obstetric Operators - Abnormal Puerperium.

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.

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 4th Edition Published By New Central Book Agency (P) Ltd.
3. **Park's** Text Book of preventive and social Medicine 15th
4. Edition 1997, Banarsidas Bhannot Jabalpur

MATERNAL AND CHILD HEALTH - LAB

Semester : II

Hours: 6/week

(90/Semester)

Sub. Code: 22DC2HCP2

Credits: 6

MATERNAL AND CHILD HEALTH:

1. Preparing Aids for Immunization Schedules.
2. Perineal Care
3. Vaginal Examination (Assisting)
4. Rectal Suppositories
5. Admission & Discharge
6. Resuscitation
7. Catheterization
8. Enema
9. Newborn Assessment(Birth Defects)
10. Blood Transfusion (Assisting)
11. Health Education
12. Vital Signs
13. Under Five Assessment
14. Antenatal Assessment
15. Postnatal Assessment

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)

JAC COMMUNITY COLLEGE
END SEMESTER EXAMINATION- 2022-2023
MATERNAL AND CHILD HEALTH

CODE: 22DC2HC08

Maximum: 60 Marks

PART-A

Answer any FIVE questions.

5x2=10

1. Dangerous signs of pre-eclampsia.
2. Any four high risk cases of pregnancy.
3. Define weaning
4. Aims of well baby clinic.
5. Enumerate the types of temporary contraception.
6. Causative organism for leprosy.
7. Define involution of uterus.
8. What is crude death rate?
9. Write about the nursing care of mother during the second

PART-B

Answer any FIVE questions.

5x4=20

10. Write briefly about the general care of newborn.
11. Define post-partum hemorrhage, explain the causes and discuss the management of PPH.
12. Describe the physiological changes during pregnancy.
13. Definition, causes, and prevention of pneumonia in children.
14. Functions of health worker female.
15. Complications of postpartum period.
16. List down the Importance of breast feeding

PART-C

Answer any THREE questions.

3x 10=30

17. Explain about fetal circulation
18. Discuss the causative organism, signs and symptoms, specific treatment and explain the Prevention and control measures of pulmonary tuberculosis.
19. a) Define maternal mortality rate
b)by Causes of maternal mortality rate.
c) Factors associate with maternal mortality rate.
d) Prevention of maternal mortality rate.
20. Mention any two abnormal types of placenta and explain.
21. Mrs. Banu a primigravid woman 41 weeks of gestation admit to labor unit for Induction of labor
a) Define induction of labor.
b) Discuss the indications and method of induction of labor.
c) Explain the nurse's responsibility during induction

JAC COMMUNITY COLLEGE EXAMINATION
DIPLOMA IN HEALTH CARE
Community Health Nursing

CODE: : 22DC2HC05

Maximum: 60 Marks

PART-A

Answer any FIVE questions.

5X2=10

1. Incubation period of poliomyelitis.
2. Define sterilization.
3. Action of antihistamine.
4. Expand UNICEF
5. Name any four protein rich food sources.
6. Types of hernia.
7. Complications of Diabetes mellitus.
8. Clinical features of Diphtheria.

PART - B

Answer any FIVE questions.

5x4=20

9. Approaches used in health Education.
10. Dengue fever.
11. Factors in housing.
12. Applied nutrition programme.
13. Indications and Preparation of ORS Solution.
14. Routes of drug administration.
15. Measures to prevent malnutrition.
16. Sources and coping with stress.

PART-C

Answer any THREE questions.

3 x 10=30

17. Epidemiology and nursing management of tuberculosis
18. a) Storage of foods.
b) Different methods of cooking. c) Methods of food preservation at home scale level.
19. Hypertension.
20. Explain the sources of water supply and purification of water.
21. Explain about classification of drugs by action.?

**JAC COMMUNITY COLLEGE EXAMINATION
DIPLOMA IN HEALTH CARE
COMPUTER FUNDAMENTALS FOR NURSING ASSISTANT**

CODE : 22DC2HC06

Maximum: 60 marks

PART - A

Answer any FIVE Questions.

5 X 2 =10

1. How will you print a document?
2. What is the function of a toolbar?
3. How will you create a new sheet?
4. Give the definition of a computer?
5. How will you delete a row in excel?
6. What is the short cut key for cut ,copy ,paste?
7. What is a mouse?
8. How will you use arrow key to move around a spreadsheet?

PART - B

Answer any FIVE Questions.

5 X 4 =20

9. What is a ribbon? Explain its function?
10. How will you save a document as PDF?
11. What are the impact printers ? Name the different types of printers?
12. What a short note on computer hardware?
13. What is floppy disk drive?
14. What are the utilities found in a computer?
15. What is a photo editor?
16. Differentiate between the 2 types of RAM?

PART - C

Answer any THREE Questions.

3 X 10 =30

17. What is software? Explain its role in computers?
18. Explain briefly about short key in computer?
19. Explain the various types o ROM?
20. Explain Excel spreadsheet and its working?
21. How to create a new document in MS Word?