

MAHARASHTRA STATE BOARD OF VOCATIONAL EDUCATION EXAMINATION, MUMBAI

1	Name of Course	C. C. In Nursing Care (W. E. F. 2015-16)												
2	Course Code	201226												
3	Max.No.of Students Per Batch	25 Students												
4	Duration	1 year												
5	Type	Full Time												
6	No.Of Days / Week	6 Days												
7	No.Of Hours /Days	7 hrs.												
8	Space Required	Practical Lab = 200 Sq feet Class Room = 200 Sq feet Total = 400 Sq feet 1) Institute Should have MOU with 25 Bedded functioning hospital with ICU facility. OR 1) Two hospital (combine 25 Bedded) MOU is allowed with ICU facility 2) But distance between Hospital and Institute Should not be more than 10 Km.												
9	Minimum Entry Qualification	S.S.C. Pass												
10	Objective Of Course	To Create Skill Nursing Care Assistant.												
11	Employment Opportunity	As a Assistant in Hospital Nursing Homes, home Health Nursing Clinics and Schools for disable.												
12	Teacher’s Qualification	1) Degree in Medical / Public Health with 2 years Teaching Experience. 2) Basic Nursing / GNM / ANM with 2 Years Experience.												
13	Training System	Training System Per Week <table><tr><td>Theory</td><td>Practical</td><td>Total</td></tr><tr><td>12 hrs</td><td>30 hrs</td><td>42 hrs</td></tr></table>							Theory	Practical	Total	12 hrs	30 hrs	42 hrs
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14	Exam System	Sr. No.	Paper Code	Name of Subject	TH/PR	Hours	Max. Marks	Min. Marks						
		1	20122611	Anatomy, Physiology & First Aid	TH - I	3 hrs.	100	35						
		2	20122612	Child Health Nursing & Midwifery	TH – II	3 hrs.	100	35						
		3	20122613	Health Centre Management and Communication Skill	TH – III	3 hrs.	100	35						
		4	20122621	Anatomy, Physiology & First Aid	PR – I	3 hrs.	100	50						
		5	20122622	Child Health Nursing & Midwifery	PR –II	3 hrs.	100	50						
		6	20122623	Health Centre Management and Communication Skill	PR -III	3 hrs.	100	50						
				Total			600	255						

C. C. IN NURSING CARE

Theory – I - Anatomy, Physiology & First Aid

i) **Anatomy, Physiology & First Aid**

1. The human body

The body's framework, functions.

General structure-cells, tissues, organs.

2. The skeletal and muscular systems.

The body's framework, functions.

Bones and joints-varieties, position names.

Muscle- Functions and types.

3. The circulatory system

Blood-composition, groups, clotting.

Heart-position, structure, functions

Blood vessels-names, position of chief blood vessels.

Circulation of blood- General pulmonary portal.

4. The respiratory system

Respiratory passage, organs, positions

Functioning of respiratory system.

5. The Digestive system

Alimentary canal-Position, structure and functions related glands.

Process of digestion and absorption.

Metabolism.

6. The genital urinary system

Urinary system-organs, positions, structure and skin structure functions.

7. The nervous system

Central nervous system-structure and functions.

Autonomic nervous system-structure and functions.

Organs of special sense- structure and functions.

8. Sensory System

Structure and function of eye, ear and nose

- **Ingumentary System**

Structure and function of skin

- **Introduction Principles of First Aid**
- **Objectives of First aid (aim) Purpose**
- **Golden rules of First Aid**

- **Diagnosis –**

1. History
2. Signs and Symptoms
3. Patients complaints
4. Treatment.

- Fourteen qualities of first aider.
- Fractures: Definition, causes of fractures, types of fractures, signs and symptoms.
- Position: Types of position, Aims.
- Wound and bleeding type of wounds.
- Types of hemorrhage- 1) External, 2) Internal
- Various pressure points to control bleeding
- Foreign body management
- First Aid Kit.
- Bandages: dressing, roller bandages, triangular bandages, rules of tying roller bandages.
- Shock, types of shock, causes
- Bites and stings
- Burns and Scalds
- Gas poisoning

ii) **Reading and Practices of All Medical Test Reports.**

Practical – I - Anatomy, Physiology & First Aid

1. Anatomy, Physiology and First Aid

- a) Preparing First Aid Kit
- b) Giving different positions to five patients
- c) Dressing of minor wounds of five patients
- d) Applying bandages to five patients
- e) Giving first Aid treatment in emergencies
- f) Practice bandaging, splints and slings.
- g) Identification of different part of body.

THEORY - II - CHILD HEALTH NURSING & MIDWIFERY

Learning Objectives :

On completion of the course the student will be able to :

1. Assess growth and development of a child at different ages.
 2. Describe nutritional needs of different age groups of children.
 3. Provide care to sick children during their common illness.
 4. Describe school health programme.
 5. Describe ' Rights ' of children.
- Educate mothers and family member as per need of their children.

Growth & Development

- * Introduction to Growth and development.
- * Factors affecting growth and development.
- * Growth and development in infants and children : Assessment.
- * Physical, Psychological and social development of children.
- * Monitoring and recording of growth and development of infants and children.
- * Care of infants and children - play hygiene, emotional needs trainings for bowel and urination.
- * Accidents : causes, precautions and prevention.

- * Congenital anomalies.

Nutrition of infants and children

- * Exclusive Breast feeding.
- * Nutritional requirements.
- * Complementary feeding.
- * Problems of feeding.
- * Breast feeding Counseling.
- * Infant feeding and HIV.
- * Baby friendly hospital initiative

Children's Rights

- * Convention of Rights of the Child.
- * Prevention of child labour.
- * Abuse and legal protection.
- * Special care of girl child.
- * Female infanticide.

Care of the sick child

- * Common childhood disorders :
- * Signs, symptoms and management.
- * Vaccine for preventable diseases.
- * Acute Respiratory tract infections.
- * Diarrhea vomiting, constipation.
- * Tonsillitis and mumps.
- * Ear infections, Worm infestation.
- * Accidents and injuries.
- * Skin infections.
- * Fever - malaria, measles.
- * INMCI strategy.

Care of School children

- * School health : Objectives, problems and programmes.
- * Environment of school.
- * Assessment of general health of school children.
- * Dental and eye problems.
- * School health education for children.
- * Need based sharing of health information with teachers / parents children.
- * Records & reports.

Care of adolescents

- * Physical growth during adolescence.
- * Emotional and behavioral changes in girls and boys.
- * Special needs of adolescents.
- * Sex education for adolescents.
- * Counseling.

Care of adolescent girls

- * Menstruation and menstrual hygiene.
- * Special nutritional needs.
- * Early marriage and its affects.
- * Adolescent girl's pregnancy and abortion.
- * Preparing for family life - pre marital counseling. Role of ANM .

Practical - II - CHILD HEALTH NURSING & MIDWIFERY

• COMMUNITY HEALTH NURSING AND HEALTH PROMOTION

Hospital Experiences	Community Experiences
* Interviewing, Physical and health need assessment of 5 (five) persons.	* Visit village for understanding this village mapping, physical, social and resources structure of the village. * Conduct community needs assessment. * Prepare and use questionnaire for home visits and assessing health concepts, behaviors, concepts and practices of five families.
	* Visit to SC / PHC / CHC and preparing a report including organization functions and the responsibilities of team members. * prepare the organization chart.
* Identifies, assesses two patients with malnutrition.	Group work on : * Nutrition exhibition in a school health centre. * Cooking demonstration for group of women in a village. * Prepare and maintain a nutrition practical book.
	* Assess personal hygiene of five children in a school based on an assessment perform. * Conduct IEC activities related to personal hygiene.
	* Using a guideline each group assesses a community's environmental sanitation, organizes discussion with community and prepares plan of action. * Prepare reports.
	* Assesses mental health of two persons. * Health education. * Referral. * Prepare a report.

• CHILD HEALTH NURSING

Hospital Experiences	Community Experiences
* Assess growth and development of 10 children of deferent ages and record on chart. * Assess health status of 10 sick children.	* Assess growth and development of 10 children of different ages and record on chart. * Conducts a school health clinic, assesses growth, identifies problems and refers. * Conducts health education sessions for school children - 2 sessions. * Assess health status of 10 children.
* Give care to 5 children as per the IMNCI protocol * Give care to 5 children each with diarrhea and ARI * Demonstration, preparation and use of ORS to parents.	* Give care to 5 children as per the IMNCI protocol. * Give care to children each with diarrhea and ARI. * Give care to children with other ailments. * Demonstrate preparation and use of ORS to parents. Identify and refer children at high risk. Demonstrate home care for a child with diarrhea and ARI.
* Counsel mothers about breast feeding.	* Identify and counsel 2 mothers with problems related to breast feeding. * Demonstrate complementary food preparation and use.

Number of cases may be from clinical or community.

• **MIDWIFERY**

Hospital Experiences	Community Experiences
<ul style="list-style-type: none"> * Maintain midwifery casebook * Examine 30 pregnant women (25 in hospital and 5 at home) including estimation hemoglobin checking BP, testing of urine. * Monitor hemoglobin and IFA treatment. Give TT injection to ten women. * Conducts 25 normal deliveries, (20 in the Hospital and 5 in Community) - Monitor and maintain partograph for conducted cases. 	<ul style="list-style-type: none"> * Conduct antenatal examinations at home. * Participate in antenatal clinics in sub centre - two. * Identify high - risk mothers - two and their follow up at home. * Conduct deliveries in the community (health centers / home) * Follow up of ten postnatal mothers for ten days with at least three home visits. * Care of newborns in the home-10 * Conduct health education (BCC) individuals - 2 each. Integrate accepted practices of - AYUSH
<ul style="list-style-type: none"> * Assist in suturing of episiotomies and tears-5. * Care of newborns 10 * Resuscitate of new born - 10 * Perform PV examination - five. * Follow up of postnatal mothers-20 (10 in the hospital and 10 in the home) * Conduct health education (BCC) for groups of mothers-3. * Integrate accepted practices of AYUSH 	
<ul style="list-style-type: none"> * Identify high - risk antenatal mothers and give care * Observe caesarean sections - two. * Prepare for caesarean section - two * Observe abnormal deliveries-5. * Prepare For MTP and observe procedure-2. * Take care of women with abortion-2. 	<ul style="list-style-type: none"> * Do a case study of a complicated childbirth in the village. * Conduct a village meeting for emergency transport of women in labour and at risk. * Identify and refer women with unwanted pregnancy. * Interview any ten women and list reasons for unsafe motherhood and abortion. Integrate accepted practices of - AYUSH
<ul style="list-style-type: none"> * Prepare and assist for sterilization of 5 female and 2 male cases. * Perform the following : Inserts IUCDs - 5 Oral pills - 5 Condoms - 5 Other methods – 5 	<ul style="list-style-type: none"> * Counsel eligible couples on different methods of contraception. Perform / assist with the following contraceptive methods : * IUCD insertion * Oral pills * Condoms Sterilization, other methods.

Number of Cases may be from clinical of community.

THEORY - III - HEALTH CENTRE MANAGEMENT AND COMMUNICATION SKILLS

Hospital Experiences	Community Experiences
<ul style="list-style-type: none"> * Perform immunization for infants and children. * DPT, measles, BCG, Oral polio, hepatitis and maintains record in health centre of hospital. * Injection safety measures. * Give care to sick people in the health centre, Uospital. * Practice bandaging, splints, slings. 	<ul style="list-style-type: none"> * Perform immunization for infants and children, DPT, measles, BCG, hepatitis oral polio and Maintains record. * Plans and conducts two immunization sessions in the village and sub-centre and records. * Injection safety measures. * Assess and take care of sick patients at home. Integrate accepted practices of AYUSH. * Refers patients to hospital / health centre and Follow up. * Provide first aid in the health centre / clinic and Maintain records.
<ul style="list-style-type: none"> * Administers medication. * Treatment of minor ailments 	<ul style="list-style-type: none"> * Conduct health camps. * Administers medications and refers patients if Required. * Integrate accepted practices of AYUSH * Intensive experience at a sub-centre and participate with the ANM in <ul style="list-style-type: none"> - Organizing various clinics - Indenting. - Maintaining stock books - Management information and evaluation system (MIES) : vital statistics, family folders / eligible couple etc. - Providing emergency care. - Home visits and pre, post and intranasal care at home.

3) Common Health Diseases and Communication Skills

1. Introduction to common Health Disease-
 - a) What is communicable Diseases
 - b) What is non-communicable Diseases
2. Terminology-
 Etiology, Pathology, Diagnosis, Infection, Complications, Pathogenic, Non pathogenic, Signs, Symptoms, Inspection, Palpation, Percussion, Auscultation, Prognosis and Immunity Power.
3. Microbiology
 - a) Definition
 - b) Mode of disease transmission
 - c) Five 'F' of disease transmission
4. AIDS- Meaning, spread of disease, signs and symptoms, treatment and prevention
5. Diabetes mellietis-Meaning, causes, types, stages, signs and symptoms and treatment

6. Syphilis-Causes spread of disease, signs and symptoms, treatment and prevention.
7. Gonorrhoea- Causes spread of disease, signs and symptoms, treatment and prevention.
8. Tumor-Meaning, Types, signs and symptoms and treatment.
9. Pulmonary Tuberculosis- Meaning, spread of disease, signs and symptoms, treatment and prevention.
10. Malaria- Meaning, spread of disease, signs and symptoms, treatment and prevention.
11. Typhoid fever- Meaning, spread of disease, signs and symptoms, treatment and prevention.
12. Virus B- Meaning, spread of disease, signs and symptoms, treatment and prevention.
13. Gastro enteritis- Meaning, spread of disease, signs and symptoms, treatment and prevention.
14. Hypertension- Meaning, causes, signs and symptoms, treatment and prevention.
15. Heart Attack- Meaning, causes, signs and symptoms, treatment and prevention.
16. Ethics
17. Relations
18. Parts of human body
19. Hospital
 - a) Definition
 - b) Departments
 - c) Functions
 - d) Types of hospitals
 - e) Health team members
20. Nursing
 - a) Definition
 - b) Meaning of word 'nurse'
 - c) Qualities of nurse
 - d) Functions of nurse
21. Recording of nursing procedures
22. Writing doctors call
23. Meaning of medical terms
24. Writing application and biodata
25. Introduction to computers
26. Structure of Computer-
 - a) What is Computer
 - b) Parts Of Computer
 - c) Functions Of Computer
27. Identify and define various concepts used in computer
28. Identify and describe application of computer in nursing
29. Describe and demonstrate skills in the use of MS – office
30. Identify and demonstrate use of internet and e-mail.
31. Concepts of computers-MS Office, MS Excel, Power Point

Practical - III - HEALTH CENTRE MANAGEMENT AND COMMUNICATION SKILLS

Common Health Diseases and Communication Skills

- a) H.G.T
- b) Injection insulin
- c) Urine examination for sugar (Uri stick)
- d) Spoken English – Phonetics public, Oral Report, Group discussions, telephone conversations, conversational skills (formal, neutral and informal situations)
- e) Read and Comprehend prescribed course book
- f) Preparing for interviews
- g) Introducing oneself
- h) Maintaining patients records and reports
- i) Letter writing
- j) Medicine indent
- k) Diet indent

Infrastructure & Tool, Equipment required to be available in Institute

Institute Infrastructure	Require Quantity
One Office	As per requirement.
One Class Room Capacity 25 Student	As per requirement.
OHP & Slide Projector Or LCD Projector	As per requirement.
Library Facility	As per requirement.
Bons set	As per requirement.
BP Apparatus	05
E.C.G. Machine	02
Stethoscope	25
Thermometer	05
First Aid Kit	01
Family Planning Kit	01
All Types Of Anatomy & Physiology Charts	As per requirement.
Hospital Related Equipment For Daily Practice	As per requirement.
Beds	02
