



Model Curriculum

QP Name: Sanitary Health Aide

QP Code: HSS/Q6601

QP Version: 1.0

NSQF Level: 3

Model Curriculum Version: 1.0

Healthcare Sector Skill Council || Healthcare Sector Skill Council, 520, DLF Tower A, 5th Floor, Jasola
District Centre, New Delhi – 110025

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Training Parameters

Sector	Healthcare
Sub-Sector	Social Work & Community Health
Occupation	Environmental Health Services
Country	India
NSQF Level	3
Aligned to NCO/ISCO/ISIC Code	NCO-2015/3257.0100
Minimum Educational Qualification and Experience	10 th
Pre-Requirement License or Training	Not Applicable
Minimum Job Entry Age	18 Years
Last Reviewed On	18/08/2020
Next Review Date	18/12/2021
NSQC Approval Date	19/12/2018
QP Version	1.0
Model Curriculum Creation Date	18/08/2020
Model Curriculum Valid Up to Date	18/12/2021
Model Curriculum Version	1.0
Minimum Duration of the Course	1000 Hrs.
Maximum Duration of the Course	1000 Hrs.

Program Overview

This section summarizes the end objectives of the program along with its duration.

Training Outcomes

At the end of the program, the learner should have acquired the listed knowledge and skills.

- Practice food safety and assist in applying it to establishments as well as community.
- Assist in applying waste disposal (solid, liquid and sewage) appropriately and ensure minimum harm to the environment
- Assist in applying the principles of natural and mechanical ventilation, as needed
- Assist in implementing techniques of sterilization and disinfection
- Assist in conducting survey in housing colonies to assess sanitary standards and in creating awareness on corrective measures
- Assist in sanitation management at fairs and festivals
- Assist in implementing measures to prevent communicable diseases with respect to sanitation and hygiene
- Assist in disinfection of areas in a hospital such as wards, operation theatres, labour rooms, etc.
- Assist in awareness programmes on personal hygiene and health education
- Conduct visits to various establishments for assisting in assessment of cleanliness and hygienic practices and ensure the desirable standards are maintained
- Assist in ensuring general & systemic cleanliness including critical care and non-critical care areas.
- Maintain record register and assist in ensuring implementation of Sanitation policy of the institution/ community as per the Government norms and guidelines.

Compulsory Modules

The table lists the modules and their duration corresponding to the Compulsory NOS of the QP.

NOS and Module Details	Theory Duration	Practical Duration	On-the-Job Training Duration (Mandatory)	On-the-Job Training Duration (Recommended)	Total Duration
Module 1: Introduction to the Sanitary Health Aide Program	16:00	50:00	220:00	00:00	66:00
Module 2: Introduction to Demography, Statistics and Health Education	10:00	50:00		00:00	60:00
Module 3: Disposal of Waste	120:00	100:00		00:00	220:00
Module 4: Nutrition and Sanitation	39:00	145:00		00:00	184:00

Module 5: Infection Control	150:00	100:00		00:00	250:00
Total	335:00	445:00	220:00	00:00	1000:00

Ministry of Health and Family Welfare

2017



सत्यमेव जयते

Short Term Training Curriculum Handbook

SANITARY HEALTH AIDE



**Standards in accordance with
The National Skills Qualifications Framework (NSQF)
Ministry of Skill Development and Entrepreneurship**

Ministry of Health and Family Welfare
2017



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Handbook

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AIDE**

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INTRODUCTION TO THE SKILLS BASED TRAINING CURRICULA

The Skill based training courses are the training content developed for enhancing the specific skills of existing professionals or provide for a platform for imparting skills to candidates with no formal qualification.

To undertake the skill based training programme, it is mandatory that the candidate must fulfil the entry criteria provided for the job profile. The training and assessment will certify that the candidate is able to undertake specific set of activities. **These must not be equated with the formal qualifications- diploma/ degrees which are given by a University.**

It is recommended that the employer must help the candidate in continuing the studies to degree level and formal qualification, if the candidate is willing to gain knowledge and wants to move up the traditional career pathway.

Who is a Sanitary Health Aide?

Sanitary health Aides are professionals who are focused on prevention, consultation, investigation, and education of the community regarding health risks and maintaining a safe environment.

Public health is an important matter of concern for the municipal bodies in various States. Sanitary health Aides play a crucial role in the protection of public health and environment in various ways. Their demand is increasing with the changes in the public health sector. Civic bodies in a state depend on health and Sanitary Aides for dealing with various public issues which range from safe drinking water, safety of food and general sanitary conditions.

Scope of practice

Trained in the management of public health and sanitation, Sanitary Health Aides implement evidence-based public health practice across a number of establishments such as hospitals, hotels and industries such as pollution control authorities, food and water safety and travel (airports, seaports and railways) in close coordination and under supervision of Sanitary Health Inspectors.

Minimum Entry requirement

Educational requirement - The candidate must have completed 10th class.

Minimum Course duration

It is recommended that any programme developed from this curriculum should have a minimum duration of **1000 hours (335 hours Theory, 445 hours practical and 220 hours of internship)** to qualify as an entry level professional in the field of Sanitary Health. This is a full time programme for student who has completed 10th class, however skills for specific subject may be tested and accordingly RPL certification can also be done.

Teaching faculty and infrastructure

The importance of providing an adequate learning environment for the students cannot be over emphasized. Both the physical infrastructure and the teaching staff must be adequate.

Teaching areas should facilitate different teaching methods. While students may share didactic lectures with other disciplines in large lecture theatres, smaller teaching areas should also be

provided for tutorial and problem/case-based learning approaches. In all venues that accommodate students, health and safety standards must be adhered to. It is recommended that a faculty and student ratio of 1:10 be followed.

Faculty qualification- minimum Diploma in Sanitary Inspector course from recognized Board/ State Health authorities, with minimum 2 years' experience in teaching or Community Health Nurse Faculty with experience in teaching community sanitation and hygiene.

Medium of instruction:

English/ regional language shall be the medium of instruction for all the subjects of study and for examination of the course.

Attendance:

A candidate has to secure minimum 80% attendance in overall with at least-

1. 75% attendance in theoretical
2. 90% in Skills training (practical) for qualifying to appear for the final examination.

No relaxation, whatsoever, will be permissible to this rule under any ground including indisposition etc.

TRAINING CURRICULA FOR SKILL CERTIFICATION

Training Outcomes:

This course trains students to manage health and sanitation aspects in a variety of organizations and in the community, thus enabling them to safeguard public health and the environment. As per the training module at the end of the training, the candidate would be certified to perform following activities–

1. Practice food safety and assist in applying it to establishments as well as community.
2. Assist in applying waste disposal (solid, liquid and sewage) appropriately and ensure minimum harm to the environment
3. Assist in applying the principles of natural and mechanical ventilation, as needed
4. Assist in implementing techniques of sterilization and disinfection
5. Assist in conducting survey in housing colonies to assess sanitary standards and in creating awareness on corrective measures
6. Assist in sanitation management at fairs and festivals
7. Assist in implementing measures to prevent communicable diseases with respect to sanitation and hygiene
8. Assist in disinfection of areas in a hospital such as wards, operation theatres, labour rooms, etc.
9. Assist in awareness programmes on personal hygiene and health education
10. Conduct visits to various establishments for assisting in assessment of cleanliness and hygienic practices and ensure the desirable standards are maintained
11. Assist in ensuring general & systemic cleanliness including critical care and non-critical care areas.
12. Maintain record register and assist in ensuring implementation of Sanitation policy of the institution/ community as per the Government norms and guidelines.

MODULE – 1: FOUNDATION MODULE- INTRODUCTION TO THE SANITARY HEALTH AIDE PROGRAM

Learning Outcomes: At the completion of this module, the student should be able to:

1. Understand the healthcare scenario in India
2. Understand the duties and responsibilities of a Sanitary Health Aide
3. Develop understanding of general medical terminologies
4. Adhere to legislation, protocols and guidelines relevant to one's role and field of practice
5. Work within organizational systems and requirements as appropriate to one's role
6. Recognize the boundary of one's role and responsibility and seek supervision when situations are beyond one's competence and authority
7. Understand the art of effective communication with various stakeholders like community members, patients, nurses, etc.
8. Learn how to identify rapidly changing situations and adapt accordingly
9. Have a basic working knowledge of computers
10. Understand the important of first aid and triage
11. Understand his/her role in disaster preparedness and management

Content -

S. No.	Topics	Hours		
		Theory	Practical	Total
1.	Introduction to healthcare and hospitals	3	2	5
2.	Introduction to the Sanitary Health Aide program	2	3	5
3.	Anthropometric measurements and its importance	1	10	11
4.	Professionalism and Values	1	1	2
5.	Communication	3	7	10
6.	Interpersonal skills and working with others	1	3	4
7.	Computers and information technology	1	8	9
8.	Basics of emergency care and life support skills	2	13	15
9.	Disaster preparedness and management	2	3	5
TOTAL		16	50	66

Detail of Topics

1. Introduction to healthcare and hospitals

- a. Healthcare delivery system in India at primary, secondary and tertiary care
- b. Community participation in healthcare delivery system
- c. Issues in Health Care Delivery System in India
- d. Health scenario of India- past, present and future
- e. Basic medical terminology

2. Introduction to the Sanitary Health Aide program

- a. Duties and responsibilities of a Sanitary Aide
- b. Importance of Sanitation, Health & Hygiene.
- c. Sanitary scope in Municipal Corporation, trade fairs, public health sanitation, water bodies, slums, vulnerable pockets, restaurants, hotels etc.
- d. Do's and Don'ts

- e. Requirements to become a Certified Sanitary Health Aide

3. Anthropometric measurements and its importance

- a. Points for consideration before measuring weight, height and other parameters
 - i. Check the equipment before taking it to the patient
 - 1. process of checking each equipment
 - 2. reporting error to the concerned official
 - ii. Process of taking permission from the patient
 - iii. Recording measurements
 - iv. Any other measure – dos and don'ts
- b. Weight
 - i. Process of measuring weight
 - ii. Importance of weight measurement - weight for age and weight for height
 - iii. Do's and don'ts while measuring weight
- c. Length (for under 2 years of age)
- d. Height – steps for measuring height using- height measuring scale and inch tape
- e. Circumference measurements –
 - i. process of measuring circumference – arm and waist
 - ii. Do's and don'ts while measuring circumference
- f. Format for reporting the measurements

4. Basics of emergency care and life support skills

- a. Vital signs
- b. Basic emergency care – first aid and triage
- c. Identifying signs and taking measures for
 - i. Choking and Heimlich Maneuver
 - ii. Bleeding including nosebleeds
 - iii. Minor burns
 - iv. Hypothermia
 - v. Asthma attack
 - vi. Bites and stings
 - vii. Fainting
 - viii. Sprain
- d. Ventilations including use of bag-valve-masks (BVMs)
- e. One- and Two-rescuer CPR
- f. Using an AED (Automated external defibrillator).
- g. Managing an emergency including moving a patient – log transfer

5. Professionalism and Values

- a. Code of conduct, professional accountability and responsibility, misconduct
- b. Ethics in healthcare – Privacy, confidentiality, consent, medico legal aspects
- c. Understanding scope of work and avoiding scope creep
- d. Handling objections
- e. Gather information from observation, experience and reasoning
- f. Identification of rapidly changing situations and adapt accordingly

- g. Planning and organization of work

6. Communication

- a. Writing skills
 - i. Basic reading and writing skills, sentence formation, grammar and composition, how to enhance vocabulary
 - ii. Business communication like letters, e-mails
- b. Special characteristics of health communication
- c. Barriers of communication & how to overcome them
- a. How to be a good communicator
 - i. Addressing the patient
 - ii. Body language, posture and gestures
- d. Listening and Speaking skills
 - i. How to be a good listener
 - ii. Structure brief and logical messages
 - iii. Speak clearly and slowly in a gentle tone
 - iv. Use the correct combination of verbal and non-verbal communication
 - v. Use language familiar to the listener
 - vi. Give facts and avoid opinions unless asked for
 - vii. Communicating with patient with impaired hearing/ vision/ speech/ memory
- e. Recognizing changes in the patient- behavior/ abnormal signs and reporting to the Medical Officer
- f. Dealing with anger or depression of the patient

7. Interpersonal skills and working with others

- a. Goal setting, team building, team work, time management,
- b. Thinking and reasoning, problem solving
- c. Need for customer service and service excellence in medical care
- d. Communication with various stakeholders
 - i. Handling effective communication with patients & family
 - ii. Handling effective communication with peers/colleagues using medical terminology in communication
 - iii. Telephone and email etiquettes
- e. Manage work to meet requirements
 - i. Time management
 - ii. Work management and prioritization

8. Computers and information technology

- a. Use of computers, its input and output devices
- b. Use of basic software such as MS Office, operating systems (Windows) and internet
- c. Use of data –
 - i. Entry, saving and retrieving
 - ii. Scanning and copying medical records/documents
 - iii. Efficient file naming and uploading
 - iv. Printing, as needed

d. Application of Computers in clinical settings

9. Disaster preparedness and management

- a. Fundamentals of emergency management
- b. Preparedness and risk reduction
- c. Incident command and institutional mechanisms
- d. Resource management

Equipment required-

1. Charts and demonstration dummies
2. Videos and presentations
3. First Aid kit
4. Inch tape
5. Height measuring scale
6. Weighing machine

Assessment -

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/Theory	Skills Practical	
1.	Explain the role of a Sanitary Health Aide in a hospital/ community setting	10	0	10
2.	What are the indicators for 'Don'ts for a Sanitary Health Aide'	15	0	15
3.	Describe and demonstrate how to communicate with patient with impaired hearing/ vision/ speech/ memory	5	25	30
4.	Enumerate the changes in the patient with abnormal behavior	5	5	10
5.	Identify the various contents of First Aid Kit	0	20	20
6.	Demonstrate Heimlich Maneuver	0	10	10
7.	Demonstrate the immediate action to be taken for a patient with nosebleed/ minor burns/ asthma attack/fainting/ sprain/ hypothermia/ bites – bee sting or snake bite	0	30	30
8.	Demonstrate how to do CPR	0	25	25
9.	Identify the various equipment for anthropometric measurement	0	5	5
10.	Demonstrate the steps for measuring weight and record on the recording/ reporting sheet	0	5	5
11.	Demonstrate the steps for measuring height of a child/ length of an infant and record on the recording/ reporting sheet	0	10	10
12.	Demonstrate the steps for measuring arm circumference and record on the recording/ reporting sheet	0	10	10
13.	Describe precautions in the event of a disaster	5	5	10

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/ Theory	Skills Practical	
14.	Demonstrate the basic use of computers and aspects related to data handling	0	10	10
Total		40	160	200

MODULE – 2: INTRODUCTION TO DEMOGRAPHY, STATISTICS AND HEALTH EDUCATION.

Learning Outcomes: At the completion of this module, the student should be able to:-

1. Understand the process of registration, reporting and documentation process for implementation of different acts within the community
2. Understand the basics of demography and vital statistics.
3. Understand various Public Health Acts.
4. Understand the relationship between health education and effective communication.

Content -

S. No.	Topics	Hours		
		Theory	Practical	Total
1.	Demography, epidemiology and public health acts.	3	15	18
2.	Basics of health statistics	2	20	22
3.	Health education and communication	5	15	20
TOTAL		10	50	60

Detail of Topics

1. Demography, Epidemiology and Public health acts.

- a. Demography – its concept
- b. Vital events of life & its impact on demography
- c. Significance and recording of vital statistics
- d. Demography and Health Survey
 - i. Sections and components of survey
 - ii. How to take a survey
 - iii. Registration of birth, death and mortality
 - iv. Immunization process
- e. Various public health acts and their importance in Sanitary Health Aide's role; such as -
 - i. Indian Epidemic Diseases Act
 - ii. Purification of Air and Water Pollution Acts
 - iii. Prevention of Food adulteration Act
 - iv. Birth and Death Registration Act
 - v. N.T.P ACT
 - vi. Suppression of immoral Traffic Act (SITA)
 - vii. Municipal and local body Acts related to housing, sanitation etc.
 - viii. Factory Act and Employer's State Insurance Act

2. Basics of health statistics :

- a. Data recording and importance of statistics
- b. Mortality and Morbidity statistics

3. Health education and communication

- a. Health Education opportunities and approaches for Health Aide in his work place
- b. Content and Principles of Health Education

- c. Planning Health Education activities
- d. Education in relation to environmental sanitation programme
- e. Use of audio visual aids and media
- f. Various tests at community level- adulteration etc.
- g. Health Education material on environmental sanitation
- h. Utilizing Community Resources for Health Education
- i. Education through Primary Health Centre
- j. Health Education through personal contact, group meetings and indirect approaches
- k. Perception of various diseases and ailments such as HIV AIDS, Leprosy etc. and ways to reduce/deal with the stigma

Equipment required-

1. Charts and demonstration dummies
2. Audio and video aides

Assessment:

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/ Theory	Skills Practical	
1.	Define various sections of a survey and make a short survey form for registration of births and deaths in a community and document it.	5	25	30
2.	Demonstrate recording of Vital statistics	0	20	30
3.	Perform a simple household test to identify adulteration in Milk/ ghee/ oil/ sugar/ tea.	10	20	30
4.	Explain brief about birth & death Act	10	10	20
5.	Prepare a chart for educating community regarding HIV/AIDS/spread of malaria/dengue/save water/maintain hygiene and sanitation etc.	10	20	30
6.	How will you identify a contact person with leadership for gaining access in a community	10	20	30
Total		60	140	200

MODULE – 3: DISPOSAL OF WASTE

Learning Outcomes: At the completion of this module, the student should be able to-

1. Follow the appropriate procedures, policies and protocols for the method of collection and containment level according to the waste type.
2. Apply appropriate health and safety measures and standard precautions for infection prevention and control and personal protective equipment relevant to the type and category of waste.
3. Segregate the waste material from work areas in line with current legislation and organizational requirements, at source with proper containment, by using different color coded bins for different categories of waste.
4. Check the accuracy of the labelling that identifies the type and content of waste.
5. Confirm suitability of containers for any required course of action appropriate to the type of waste disposal.
6. Check the waste has undergone the required processes to make it safe for transport and disposal.
7. Transport the waste to the disposal site, taking into consideration its associated risks.
8. Report and deal with spillages and contamination in accordance with current legislation and procedures.
9. Maintain full, accurate and legible records of information and store in correct location in line with current legislation, guidelines, local policies and protocols.

Content -

S. No.	Topics	Hours		
		Theory	Practical	Total
1.	Introduction to Bio medical waste management and environment safety	10	10	20
2.	Solid Waste Disposal	30	20	50
3.	Liquid waste/Sewage disposal	30	20	50
4.	Night Soil Disposal	30	20	50
5.	Other treatment and disposal methods of biomedical waste	10	10	20
6.	Burial, Cremation Ground and Mass Casualty Disposal	10	20	30
TOTAL		120	100	220

Detail of Topics

1. **Bio medical waste management and environment safety**
 - a. Definition of Biomedical Waste
 - b. Sources of Biomedical waste
 - c. Waste minimization
 - d. BMW – Segregation, collection, transportation, treatment and disposal (including color coding)
 - e. Liquid BMW, Radioactive waste, Metals / Chemicals / Drug waste
 - f. BMW Management & methods of disinfection
 - g. Modern technology for handling BMW
 - h. Use of Personal protective equipment (PPE)

- i. Monitoring & controlling of cross infection (Protective devices)
- j. Identifying the risk of Bio-medical waste

2. Solid Waste Disposal

- a. Source of generation, storage and collection
- b. Sanitary method of disposal of solid waste
- c. Classification of solid waste in the community
- d. Polluting effect of different types of solid waste, system of collection of solid waste from the houses and street, sanitary transportation of solid waste, sanitary process of disposal of solid waste such as composting, sanitary land filling, incineration

3. Liquid waste/Sewage disposal

- a. Hygienic method of disposal of liquid waste.
- b. Health hazard related to accumulation of liquid waste or in sanitary drainage system.
- c. Construction and maintenance of sanitary sewerage system
- d. Use of different types of traps, pollution of water sources from sewerage and its disinfection

4. Night Soil Disposal

- a. Sewage is liquid waste containing human excreta.
 - i. Fly nuisance
 - ii. Soil pollution
 - iii. Water pollution
 - iv. Food contamination
 - v. Faecal - borne disease due to unsanitary disposal. Different types of latrines in use principal of construction of sanitary latrines and their use, especially berg hole, dug well, RCA and septic tank latrine.
 - vi. Sewage system or water carriage system.
- b. What is sewage?
 - i. Why sewage purification is required?
 - ii. Sewer appurtenances, house drain
 - iii. Street sewers or municipal sewers
 - iv. Sewage forming land treatment
 - v. Sewage disposal by Biogas plant or gobar gas plant
 - vi. Methods of disinfection of sewage
 - vii. Sanitary practices of sewage farming

5. Other treatment and disposal methods of biomedical waste

- a. Incineration
- b. Autoclaving
- c. Shredding
- d. Disposal option

6. Burial, Cremation Ground and Mass Casualty Disposal

- a. Disposal of dead- Human

- b. Burning or cremation
- c. Requirement for a burning ground
- d. Disposal of dead bodies and maintenance of their records

Assessment:

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/ Theory	Skills Practical	
1.	Demonstrate and describe appropriate procedures, policies and protocols for the method of collection and containment level according to the waste type	20	30	50
2.	Identify and demonstrate methods of segregating the waste material in colored bins	10	30	40
3.	What are the methods of waste disposal	5	20	40
4.	Demonstrate and describe how to maintain appropriate health and safety measures	0	10	10
5.	Explain how will you check the waste has undergone the required processes to make it safe for transport and disposal	5	0	5
6.	Demonstrate how will you report and deal with spillages and contamination in accordance with current legislation and procedures	0	10	10
7.	Visit for an inspection of flushing tank, soil plant, traps, man holes, inspection chambers and maintenance of gully trap.	10	20	40
8.	Visit to burial or funeral ground for sanitation, proper process of disposal of dead body and maintenance of records as per the legal provision.	10	20	40
Total		60	140	200

MODULE – 4: NUTRITION & SANITATION**Content -**

S. No.	Topics	Hours		
		Theory	Practical	Total
1.	Food & Nutrition	5	20	25
2.	Air	6	20	26
3.	Soil Sanitation	6	20	26
4.	Control of Biological Environment	7	20	27
5.	Housing, infrastructure and water supply	8	25	33
6.	Sanitation Measures in Fairs, Festivals and Natural calamities	5	20	25
7.	Occupational Health	2	20	22
TOTAL		39	145	184

Detail of Topics**1. Food & Nutrition**

- a. Science of food
 - i. Introduction to Nutrition
 - ii. Classification and of food-stuff
 - iii. Nutrient and their sources (food example)
- b. Nutrient: Carbohydrates, Proteins, Vitamins, & Minerals, function, Source and diet requirement of each.
- c. Nutrition Education:
 - i. Malnutrition- Prevention of malnutrition
 - ii. Low birth Weight (LBW)- causes and prevention
 - iii. Protein energy
 - iv. Instruction for balanced diet
- d. Inspection of food handling establishments
- e. Inspection of mid- day meal programme

2. Air

- a. Concepts and importance of adequate ventilation
- b. Types of ventilation
 - i. Natural ventilation
 - ii. Mechanical ventilation
- c. Indicators of air pollution
- d. Process air purification and disinfection
- e. Green house effect, types of ventilation, thermal comfort, air temperature humidity, radiation, evaporation and their measurements

3. Soil Sanitation

- a. Classification of soil.
- b. Classification from the view point of importance in Public Health.
- c. Reason for the excessive moisture in the soil.
- d. Reclamation of land.

- e. Soil, bacteria and parasites.
- f. Soil and Health.
- g. Study on insecticides, pesticides and disinfections.
- h. Sterilization & disinfection of different Articles.
- i. Various spraying equipment

4. Control of Biological Environment

- a. Study on insecticides, pesticides and disinfections.
- b. Sterilization & disinfections of different articles
- c. Various spraying equipments
- d. Uses of rodenticides & larvaecidals
- e. Vector control

5. Housing, infrastructure and water supply

- a. General principle of healthy housing
- b. Home Sanitation
- c. Food hygiene at home
- d. Specification for healthy housing
- e. Construction of latrines and recommended financial assistance as per the Government norms
- f. Maintenance of public and community water supply and ensure proper disinfection
- g. Water sampling for regular bacteriological and chemical analysis
- h. Inspection of public and private well and/ or other water sources
- i. Inspection of sanitation in hospital and health facilities

6. Sanitation Measures in Fairs, Festivals and Natural calamities

- a. Sanitation Management at fairs and festival. Sanitary problems associated with human gatherings and temporary settlements.
- b. Alternate emergency sanitary provisions to prevent sanitation crisis for food, housing, water supply, lighting, disposal of community waste and prevention of outbreak of epidemics.

7. Occupational Health:

- a. Industrial hygiene- workers health protection
- b. Occupational risk factors and safety measures
- c. Control of dust and other hazardous substance
- d. Safety measure for occupational risk factor

Assessment:

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/ Theory	Skills Practical	
1.	Classification of public health and importance of foodstuffs	10	10	20
2.	Demonstrate assessment of daily requirement of nutrition.	10	10	20

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/Theory	Skills Practical	
3.	Demonstrate assessment of nutritional requirement for special group.	10	10	20
4.	Demonstrate assessment of nutritional status of family	10	10	20
5.	How to measure and reduce intensity of air pollution.	0	10	10
6.	How will you conduct sampling for assessment of soil pollution	0	10	10
7.	Indicate use of insecticides, pesticides and disinfection.	0	10	10
8.	Demonstrate use of spraying equipment's and its maintenance.	0	10	10
9.	Survey a house for assessing sanitary standards and prescribe relevant measures	0	20	20
10.	Inspect and prepare plan for fair and festival/ industry and trade and indicate the measures to be taken	0	20	20
11.	Visit to a hospital for survey of sanitation issues and challenges faced by the workforce.	0	20	20
12.	Identify the danger zones and adequacy of safety arrangements in the hospital.	10	10	20
Total		50	150	200

MODULE – 5: INFECTION CONTROL.

Learning Outcomes: At the completion of this module, the student should be able to-

1. Understand all procedures required for infection control
2. Follow high level of personal hygiene
3. Follow all standard precautions and infection control procedures
4. Identify deviation from normal health
5. Understand hospital borne infections and practices to curb them
6. Understand different types of spillages and their management

Content -

S. No.	Topics	Hours		
		Theory	Practical	Total
1.	Infection prevention and control	10	10	20
2.	Personal Hygiene	20	10	30
3.	Communicable Diseases	30	20	50
4.	Non –Communicable Diseases	30	20	50
5.	Universal/ Standard Precautions	15	10	25
6.	Disinfection & Sterilization	30	20	50
7.	Contact Precautions	15	10	25
TOTAL		150	100	250

Detail of Topics**1. Infection prevention and control**

- a. Evidence-based infection control principles and practices [such as sterilization, disinfection, effective hand hygiene and use of Personal protective equipment (PPE)]
- b. Prevention & control of common healthcare associated infections
- c. Components of an effective infection control program
- d. Guidelines (NABH and JCI) for Hospital Infection Control

2. Personal Hygiene

- a. Factors influencing health & hygiene
- b. Health habits & practice, customs affecting personal hygiene
- c. Skin care cleanliness
- d. Oral hygiene and dental care
- e. Care of hands, washing, importance of exercises and food values
- f. Care of the body-habits clothing
- g. Care of special sensory organs
- h. Factors influencing human behavior
- i. Change of behavioral pattern in different age groups
- j. Interpersonal relations and defense mechanism

3. Communicable Diseases

- a. Introduction
- b. Transmission of disease

- i. By air
- ii. By contact
- iii. By insects and other diseases
- c. General measures for prevention & control of communicable diseases
- d. Role of Health Worker

4. Non-Communicable Diseases

- a. Introduction
- b. Incidence and prevalence
- c. Preventive actions – community based

5. Disinfection & Sterilization

- a. Effective disinfection by liquid Chemical agents like Halogen, Potassium per manganate solution etc.
- b. Solid chemical agent
- c. Bleaching – Bleaching powder, Lime etc.

6. Universal/ Standard Precautions

- a. Hand hygiene
- b. Use of personal protective equipment (e.g., gloves, gowns, masks)
- c. Safe injection practices
- d. Safe handling of potentially contaminated equipment or surfaces in the patient environment
- e. Respiratory hygiene/cough etiquette

7. Contact precautions

Assessment:

S. No.	Assessment Criteria for the Assessable Outcomes	Marks Allocation		Total Marks Allocation
		Viva/ Theory	Skills Practical	
1.	Demonstrate the use of Personal Protective Equipment (PPE)	10	20	30
2.	How will you prevention & control of common healthcare associated infections	20	20	40
3.	Conduct a programmer on personal hygiene in different area and document it.	10	30	40
4.	Prepare a report on general survey of health care in different area.	10	20	30
5.	Report on participation in various programmes	0	20	20
6.	How will you ensure disinfection of hospital wards, operation Theatres, Labour rooms	10	30	40
Total		60	140	200

CONTRIBUTORS TO DRAFTING AND REVIEW OF SKILL BASED CURRICULA

Officers from Ministry of Health and Family Welfare, Government of India

1. Mr. Arun Kumar Jha, Economic Advisor, MoHFW
2. Mr. B S Murthy, Director, MoHFW
3. Dr. (Capt) Kapil Chaudhary, Director, MoHFW
4. Dr. Anil Sain, ADG, DGHS
5. Dr. N. K. Dhamija, DC (Trg), MoHFW
6. Dr. Sangeeta Saxena, DC (Trg.), MoHFW
7. Dr. Josephine Little Flower G., Former Nursing Advisor, MoHFW
8. Dr. Rathi Balachandran, ADG, Nursing Division, MoHFW
9. Mr. Satish Kumar, US (AHS), MoHFW

Special acknowledgement for detailed review – Dr. Himanshu Bhushan, Advisor, NHSRC and Dr. J K Das, Director, NIHFWD

Subject Experts

1. Dr. Alka Mohan Chutani, AIIMS, Delhi
2. Dr. Anita Singh , Becton Dickinson India Private Limited
3. Dr. Akshay Kumar, AIIMS, Delhi
4. Mr. A. Vaidheesh, GSK India
5. Mr. Arumugam Kalimuthu, WASH Institute
6. Ms Anuja Agarwala, Indian Dietetic Association
7. Ms. Amuda Sundari, CMC Vellore
8. Dr. Chawi Sawney, AIIMS, Delhi
9. Dr. Dharini Krishnan, Indian Dietetic Association
10. Dr. Devdas Shetty, Amar Shanth Paramedical College
11. Dr. G.S.Bhuvaneshwar, FBSE, IIT Madras
12. Dr. GV Ramanan Rao, GVK EMRI
13. Dr. Ghate, All India Institute of Local Self Government, Mumbai
14. Mr. Giri, Goutham Paramedical, Bangalore, Karnataka
15. Dr. Kesavadas, Sree Chitra Tirunal Institute for Medical Sciences and Technology
16. Mr. Kaptan Singh Sehrawat, Joint Forum of Medical Technologists of India (JFM TI)
17. Dr. Maneesh Singhal, AIIMS Delhi
18. Dr. Malkit Singh, PGIMER, Chandigarh
19. Dr. Nitish Naik, AIIMS Delhi
20. Dr. Namita Nadar, Fortis Hospital
21. Dr. Niranjan D. Khambete, Deenanath Mangeshkar Hospital and Research Centre, Pune
22. Dr. Nitin Kapoor, CMC Vellore
23. Ms. Neelanjana Singh, Indian Dietetic Association
24. Dr. Piyush Ranjan, AIIMS Delhi
25. Prof. Pandia Rajan, WASH Institute
26. Dr. Rakesh Garg, AIIMS
27. Dr. Reena Nakra, Dr Lal Path Labs
28. Dr. Rekha Sharma, Indian Dietetic Association
29. Dr. Satish Govind, Narayana Health

30. Ms. Seema Puri, Indian Dietetic Association
31. Ms. Sheela Krishnaswamy, Indian Dietetic Association
32. Dr. Tej Prakash Sinha, AIIMS
33. Dr. U.S Hanagarga, Karnataka Institute of Medical Sciences, Hubli, Dharwad, Karnataka
34. Dr. V. Desai, GSK India
35. Dr. Veena Kamath, Manipal College of Allied Health Sciences, Manipal University
36. Dr. Veenu Seth, Lady Irwin College, Delhi University

Representatives from Health Sector Skill Council and National Skill Development Agency

1. Ms. Yogita Daulatani, NSDA
2. Ms. Deepali, NSDA
3. Mr. Ashish Jain, HSSC
4. Dr. Zainab Zaidi , HSSC
5. Dr. Megha Aggarwal, HSSC

Coordinated and compiled by the National Human Resources for Health (HRH) Cell, MoHFW

1. Ms. Kavita Narayan, Technical Advisor
2. Ms. Shivangini Kar Dave, Sr. Consultant
3. Ms. Natasha D'Lima, Sr. Consultant
4. Ms. Namita Gupta, Consultant
5. Ms. Utplakshi Kaushik, Consultant
6. Ms. Tanu Sri Sahu, Consultant
7. Mr. Vivek Bhatnagar, Consultant
8. Mr. Anirooddha Mukherjee, Consultant
9. Ms. Nupur Chaurasia, Technical Assistant
10. Ms. Anuja Joshi, Technical Assistant

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