



Sanitary Health Aide

QP Code: HSS/Q6601

Version: 1.0

NSQF Level: 3

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

Qualification Pack

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HSS/Q660I: Sanitary Health Aide

Brief Job Description

Sanitary health Aides are professionals who are focused on prevention, investigation, and education related to health risks and maintaining a safe environment. They manage health and sanitation aspects in a variety of organizations and in the community, thus enabling them to safeguard public health and the environment. These individuals also implement evidence-based public health practices across a number of establishments such as hospitals, hotels and organizations 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.

Personal Attributes

The job requires individuals to have good communication and time management skills along with the ability to work in a multidisciplinary team environment. The individual should possess key qualities such as confidence, maturity, and active listening. The person should also be technology friendly.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [HSS/N6601: Introduction to the sanitary health aide program](#)
2. [HSS/N6602: Introduction to demography, statistics, and health education](#)
3. [HSS/N6603: Disposal of Waste](#)
4. [HSS/N6604: Nutrition & Sanitation](#)
5. [HSS/N6605: Infection Control](#)

Qualification Pack (QP) 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 & Experience	10th Class

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Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	18/08/2020
Next Review Date	18/12/2021
NSQC Approval Date	19/12/2018
Version	1.0

Remarks:

The Qualification Pack has been derived from Short Term Training Curriculum of Sanitary Health Aide of Ministry of Health and Family Welfare (MoHFW).

The Last Review date is the QP Adoption approval date and the NSQC clearance date mentioned is the date on which the original qualification was NSQC Approved

Qualification Pack

HSS/N6601: Introduction to the sanitary health aide program

Description

This unit provides details about the sanitary health aide program and its related concepts. This NOS has been derived from Foundation Module- Introduction to the Sanitary Health Aide Program of the Short Term Training Curriculum : Sanitary Health Aide prepared by MOHFW.

Scope

The scope covers the following :

- Introduction to the Sanitary Health Aide program
- Communication
- Basics of emergency care and life support skills
- Anthropometric measurements and its importance
- Disaster preparedness and management
- Computers and information technology

Elements and Performance Criteria

Introduction to the Sanitary Health Aide program

To be competent, the user/individual on the job must be able to:

- PC1.** explain the role of a sanitary health aide in a hospital/ community setting
- PC2.** what are the indicators for 'don'ts for a sanitary health aide'

Communication

To be competent, the user/individual on the job must be able to:

- PC3.** describe and demonstrate how to communicate with patient with impaired hearing/ vision/ speech/ memory
- PC4.** enumerate the changes in the patient with abnormal behavior

Basics of emergency care and life support skills

To be competent, the user/individual on the job must be able to:

- PC5.** identify the various contents of first aid kit
- PC6.** demonstrate Heimlich maneuver
- PC7.** 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
- PC8.** demonstrate how to do CPR

Anthropometric measurements and its importance

To be competent, the user/individual on the job must be able to:

- PC9.** identify the various equipment for anthropometric measurement
- PC10.** demonstrate the steps for measuring weight and record on the recording/ reporting sheet
- PC11.** demonstrate the steps for measuring height of a child/ infant and record on the recording/ reporting sheet
- PC12.** demonstrate the steps for measuring arm circumference and record on the recording/ reporting sheet

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Disaster preparedness and management

To be competent, the user/individual on the job must be able to:

PCI3. describe precautions in the event of a disaster

Computers and information technology

To be competent, the user/individual on the job must be able to:

PCI4. demonstrate the basic use of computers and aspects related to data handling

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** healthcare delivery system in India at primary, secondary and tertiary care
- KU2.** community participation in healthcare delivery system
- KU3.** issues in health care delivery system in India
- KU4.** health scenario of India- past, present and future
- KU5.** basic medical terminology
- KU6.** duties and responsibilities of a sanitary aide
- KU7.** importance of sanitation, health & hygiene
- KU8.** sanitary scope in municipal corporation, trade fairs, public health sanitation, water bodies, slums, vulnerable pockets, restaurants, hotels etc.
- KU9.** requirements to become a certified sanitary health aide
- KU10.** anthropometric measurements and its importance
- KU11.** points for consideration before measuring weight, height, and other parameters
- KU12.** process of checking each equipment before taking it to the patient
- KU13.** the process of reporting to the concerned official
- KU14.** process of taking permission from the patient
- KU15.** the process of recording measurements
- KU16.** process of measuring weight
- KU17.** importance of weight measurement - weight for age and weight for height
- KU18.** dos and don'ts while measuring weight
- KU19.** method of measuring height of children under 2 years of age
- KU20.** steps for measuring height using- height measuring scale and inch tape
- KU21.** process of measuring arm and waist
- KU22.** dos and don'ts while measuring circumference
- KU23.** format for reporting the measurements
- KU24.** basics of emergency care and life support skills
- KU25.** the concept of vital signs
- KU26.** basic emergency care- first aid and triage
- KU27.** the process of identifying signs and taking measures for choking and Heimlich maneuver, bleeding including nosebleeds, minor burns, hypothermia, asthma attack, bites and stings, fainting, and sprain
- KU28.** different ventilations including use of bag-valve-masks (BVMs)

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- KU29.** one- and two-rescuer CPR
- KU30.** importance of using an AED (Automated External Defibrillator)
- KU31.** how to manage an emergency including moving a patient- log transfer
- KU32.** importance of ethics in healthcare- privacy, confidentiality, consent, medico legal aspects
- KU33.** special characteristics of health communication
- KU34.** fundamentals of emergency management
- KU35.** preparedness and risk reduction
- KU36.** incident command and institutional mechanisms
- KU37.** resource management
- KU38.** use of computers, its input and output devices
- KU39.** use of basic software such as MS office, operating systems (windows) and internet
- KU40.** use of data- entry, saving and retrieving, scanning, and copying medical records/documents, efficient file naming and uploading and printing, as needed
- KU41.** application of computers in clinical settings

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain code of conduct, professional accountability and responsibility
- GS2.** observe ethical practices
- GS3.** maintain confidentiality and seek consent when appropriate
- GS4.** gather information from observation, experience, and reasoning
- GS5.** maintain appropriate body language
- GS6.** undertake formal & informal writing for inter- and intra-department communication including documentation and report writing
- GS7.** read and interpret internal communications correctly
- GS8.** structure brief and logical messages
- GS9.** speak clearly and slowly in a gentle tone
- GS10.** maintain effective communication with patients, family, peers and colleagues using medical terminology and handle queries and objections
- GS11.** show telephone and email etiquettes
- GS12.** plan and organize work appropriately to meet requirements
- GS13.** use time management skills
- GS14.** work management and prioritization
- GS15.** use language familiar to the listener
- GS16.** give facts and avoid opinions unless asked for
- GS17.** communicate with patient with impaired hearing/ vision/ speech/ memory
- GS18.** set goals and timelines with clearly defined key performance indicators and communicate them effectively to all relevant persons
- GS19.** keep stakeholders informed about progress
- GS20.** build customer relationships and use customer-centric approach
- GS21.** address work-related issues and problems

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GS22. perceive the impact and implications of decisions

GS23. prioritize the necessary actions

GS24. analyze information and use logic to address work-related issues and problems

GS25. be adaptive to rapidly changing situations, e.g.: respond appropriately to critical situations, retain composure in stressful situations, apply existing skills to new situations

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to the Sanitary Health Aide program</i>	25	-	-	-
PC1. explain the role of a sanitary health aide in a hospital/ community setting	10	-	-	-
PC2. what are the indicators for ‘don’ts for a sanitary health aide’	15	-	-	-
<i>Communication</i>	10	30	-	-
PC3. describe and demonstrate how to communicate with patient with impaired hearing/ vision/ speech/ memory	5	25	-	-
PC4. enumerate the changes in the patient with abnormal behavior	5	5	-	-
<i>Basics of emergency care and life support skills</i>	-	85	-	-
PC5. identify the various contents of first aid kit	-	20	-	-
PC6. demonstrate Heimlich maneuver	-	10	-	-
PC7. 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	-	30	-	-
PC8. demonstrate how to do CPR	-	25	-	-
<i>Anthropometric measurements and its importance</i>	-	30	-	-
PC9. identify the various equipment for anthropometric measurement	-	5	-	-
PC10. demonstrate the steps for measuring weight and record on the recording/ reporting sheet	-	5	-	-
PC11. demonstrate the steps for measuring height of a child/ infant and record on the recording/ reporting sheet	-	10	-	-
PC12. demonstrate the steps for measuring arm circumference and record on the recording/ reporting sheet	-	10	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Disaster preparedness and management</i>	5	5	-	-
PC13. describe precautions in the event of a disaster	5	5	-	-
<i>Computers and information technology</i>	-	10	-	-
PC14. demonstrate the basic use of computers and aspects related to data handling	-	10	-	-
NOS Total	40	160	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	HSS/N6601
NOS Name	Introduction to the sanitary health aide program
Sector	Healthcare
Sub-Sector	Social Work & Community Health
Occupation	Environmental Health Services
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	18/08/2020
Next Review Date	18/12/2021
NSQC Clearance Date	19/12/2018

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HSS/N6602: Introduction to demography, statistics, and health education

Description

This unit provides knowledge & understanding about demography and statistics. The unit also details the concept of health education and its importance in educating the community. This NOS has been derived from the module, Introduction to Demography, Statistics and Health Education : Sanitary Health Aide prepared by MOHFW.

Scope

The scope covers the following :

- Demography, Epidemiology and Public health acts.
- Basics of health statistics
- Health education and communication

Elements and Performance Criteria

Demography, statistics, and health education

To be competent, the user/individual on the job must be able to:

PC1. define various sections of a survey and make a short survey form for registration of births and deaths in a community and document it.

Basics of health statistics

To be competent, the user/individual on the job must be able to:

PC2. demonstrate recording of vital statistics

PC3. perform a simple household test to identify adulteration in milk/ ghee/ oil/ sugar/ tea

PC4. explain brief about birth & death act

Health education and communication

To be competent, the user/individual on the job must be able to:

PC5. prepare a chart for educating community regarding HIV/AIDS/spread of malaria/dengue/save water/maintain hygiene and sanitation etc.

PC6. how will you identify a contact person with leadership for gaining access in a community

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. demography- its concept

KU2. vital events of life & its impact on demography

KU3. significance and recording of vital statistics

KU4. sections and components of survey

KU5. the process of taking a survey

KU6. process of registration of birth, death and mortality

KU7. immunization process

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- KU8.** data recording and importance of statistics
- KU9.** various public health Acts and their importance to Sanitary Health Aide
- KU10.** Indian Epidemic Diseases Act
- KU11.** Purification of Air and Water Pollution Acts
- KU12.** Prevention of Food adulteration Act
- KU13.** Birth and Death Registration Act
- KU14.** NTP ACT
- KU15.** Suppression of Immoral Traffic Act (SITA)
- KU16.** Municipal and local body Acts related to housing, sanitation etc.
- KU17.** Factory Act and Employer's State Insurance Act
- KU18.** data recording and importance of statistics
- KU19.** mortality and morbidity statistics
- KU20.** health education opportunities and approaches for health aide at workplace
- KU21.** content and principles of health education
- KU22.** importance of planning health education activities
- KU23.** environmental sanitation programme
- KU24.** use of audio visual aids and media
- KU25.** various tests at community level- adulteration etc.
- KU26.** health education material on environmental sanitation
- KU27.** importance of utilizing community resources for health education
- KU28.** process of imparting education through Primary Health Centre
- KU29.** health Education through personal contact, group meetings and indirect approaches
- KU30.** various diseases and ailments such as HIV AIDS, Leprosy etc. and the ways to reduce/ deal with the stigma

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain code of conduct, professional accountability and responsibility
- GS2.** observe ethical practices
- GS3.** maintain confidentiality and seek consent when appropriate
- GS4.** gather information from observation, experience, and reasoning
- GS5.** maintain appropriate body language
- GS6.** undertake formal & informal writing for inter- and intra-department communication including documentation and report writing
- GS7.** read and interpret internal communications correctly
- GS8.** structure brief and logical messages
- GS9.** speak clearly and slowly in a gentle tone
- GS10.** maintain effective communication with patients, family, peers and colleagues using medical terminology and handle queries and objections
- GS11.** show telephone and email etiquettes

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- GS12.** plan and organize work appropriately to meet requirements
- GS13.** use time management skills
- GS14.** work management and prioritization
- GS15.** use language familiar to the listener
- GS16.** give facts and avoid opinions unless asked for
- GS17.** communicating with patient with impaired hearing/ vision/ speech/ memory
- GS18.** set goals and timelines with clearly defined key performance indicators and communicate them effectively to all relevant persons
- GS19.** keep stakeholders informed about progress
- GS20.** build customer relationships and use customer centric approach
- GS21.** address work-related issues and problems
- GS22.** perceive the impact and implications of decisions
- GS23.** prioritize the necessary actions
- GS24.** analyze information and use logic to address work-related issues and problems
- GS25.** be adaptive to rapidly changing situations, e.g.: respond appropriately to critical situations, retain composure in stressful situations, apply existing skills to new situations

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Demography, statistics, and health education</i>	5	25	-	-
PC1. 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	-	-
<i>Basics of health statistics</i>	35	70	-	-
PC2. demonstrate recording of vital statistics	15	30	-	-
PC3. perform a simple household test to identify adulteration in milk/ ghee/ oil/ sugar/ tea	10	20	-	-
PC4. explain brief about birth & death act	10	20	-	-
<i>Health education and communication</i>	20	45	-	-
PC5. prepare a chart for educating community regarding HIV/AIDS/spread of malaria/dengue/save water/maintain hygiene and sanitation etc.	10	25	-	-
PC6. how will you identify a contact person with leadership for gaining access in a community	10	20	-	-
NOS Total	60	140	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	HSS/N6602
NOS Name	Introduction to demography, statistics, and health education
Sector	Healthcare
Sub-Sector	Social Work & Community Health
Occupation	Environmental Health Services
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	18/08/2020
Next Review Date	18/12/2021
NSQC Clearance Date	19/12/2018

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HSS/N6603: Disposal of Waste

Description

This OS unit is about the safe handling and management of biomedical and general waste. This NOS has been derived from the module, Disposal of Waste of the Short Term Training Curriculum : Sanitary Health Aide prepared by MOHFW.

Scope

The scope covers the following :

- Bio medical waste management and environment safety
- Solid, liquid, sewage, night soil and other methods of waste disposal
- Burial, Cremation Ground and Mass Casualty Disposal

Elements and Performance Criteria

Bio medical waste management and environment safety

To be competent, the user/individual on the job must be able to:

- PC1.** demonstrate and describe appropriate procedures, policies and protocols for the method of collection and containment level according to the waste type
- PC2.** identify and demonstrate methods of segregating the waste material in colored bins
- PC3.** what are the methods of waste disposal
- PC4.** demonstrate and describe how to maintain appropriate health and safety measures
- PC5.** explain how will you check the waste has undergone the required processes to make it safe for transport and disposal

Solid, liquid, sewage, night soil and other methods of waste disposal

To be competent, the user/individual on the job must be able to:

- PC6.** demonstrate how will you report and deal with spillages and contamination in accordance with current legislation and procedures
- PC7.** visit for an inspection of flushing tank, soil plant, traps, manholes, inspection chambers and maintenance of gully trap

Burial, Cremation Ground and Mass Casualty Disposal

To be competent, the user/individual on the job must be able to:

- PC8.** visit to burial or funeral ground for sanitation, proper process of disposal of dead body and maintenance of records as per the legal provision

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** definition of biomedical waste
- KU2.** sources of biomedical waste
- KU3.** waste minimization
- KU4.** liquid BMW, radioactive waste, metals / chemicals / drug waste

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- KU5.** modern technology for handling BMW
- KU6.** use of personal protective equipment (PPE)
- KU7.** monitoring & controlling of cross infection (protective devices)
- KU8.** identifying the risk of bio-medical waste
- KU9.** source of generation, storage and collection
- KU10.** sanitary method of disposal of solid waste
- KU11.** classification of solid waste in the community
- KU12.** 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
- KU13.** liquid waste/sewage disposal
- KU14.** hygienic method of disposal of liquid waste
- KU15.** health hazard related to accumulation of liquid waste or in sanitary drainage system.
- KU16.** construction and maintenance of sanitary sewerage system
- KU17.** use of different types of traps, pollution of water sources from sewerage and its disinfection
- KU18.** basic concept of night soil disposal
- KU19.** fly nuisance
- KU20.** various types of pollution such as soil, air, water etc
- KU21.** the causes of food contamination
- KU22.** faecal - borne disease due to unsanitary disposal
- KU23.** different types of latrines in use principal of construction of sanitary latrines and their use, especially berg hole, dug well, Recycled Waste Concrete Aggregate (RCA) and septic tank latrine
- KU24.** sewage system or water carriage system
- KU25.** concept of sewage and the need for its treatment
- KU26.** sewer appurtenances and house drain
- KU27.** street sewers or municipal sewers
- KU28.** sewage forming land treatment
- KU29.** sewage disposal by biogas plant or gobar gas plant
- KU30.** methods of disinfection of sewage
- KU31.** sanitary practices of sewage farming
- KU32.** other treatment and disposal methods of biomedical waste such as incineration, autoclaving
- KU33.** concept of shredding
- KU34.** foundational concepts of burial, cremation ground and mass casualty disposal
- KU35.** disposal of human dead body by burial or cremation
- KU36.** requirement for a burning ground
- KU37.** the process of maintaining records of human body cremation

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain code of conduct, professional accountability and responsibility

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- GS2.** observe ethical practices
- GS3.** maintain confidentiality and seek consent when appropriate
- GS4.** gather information from observation, experience, and reasoning
- GS5.** maintain appropriate body language
- GS6.** undertake formal & informal writing for inter- and intra-department communication including documentation and report writing
- GS7.** read and interpret internal communications correctly
- GS8.** structure brief and logical messages
- GS9.** speak clearly and slowly in a gentle tone
- GS10.** maintain effective communication with patients, family, peers and colleagues using medical terminology and handle queries and objections
- GS11.** show telephone and email etiquettes
- GS12.** plan and organize work appropriately to meet requirements
- GS13.** use time management skills
- GS14.** work management and prioritization
- GS15.** use language familiar to the listener
- GS16.** give facts and avoid opinions unless asked for
- GS17.** communicating with patient with impaired hearing/ vision/ speech/ memory
- GS18.** set goals and timelines with clearly defined key performance indicators and communicate them effectively to all relevant persons
- GS19.** keep stakeholders informed about progress
- GS20.** build customer relationships and use customer centric approach
- GS21.** address work-related issues and problems
- GS22.** perceive the impact and implications of decisions
- GS23.** prioritize the necessary actions
- GS24.** analyze information and use logic to address work-related issues and problems
- GS25.** be adaptive to rapidly changing situations, e.g.: respond appropriately to critical situations, retain composure in stressful situations, apply existing skills to new situations

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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Bio medical waste management and environment safety</i>	40	90	-	-
PC1. demonstrate and describe appropriate procedures, policies and protocols for the method of collection and containment level according to the waste type	20	30	-	-
PC2. identify and demonstrate methods of segregating the waste material in colored bins	10	30	-	-
PC3. what are the methods of waste disposal	5	20	-	-
PC4. demonstrate and describe how to maintain appropriate health and safety measures	-	10	-	-
PC5. explain how will you check the waste has undergone the required processes to make it safe for transport and disposal	5	-	-	-
<i>Solid, liquid, sewage, night soil and other methods of waste disposal</i>	10	30	-	-
PC6. demonstrate how will you report and deal with spillages and contamination in accordance with current legislation and procedures	-	10	-	-
PC7. visit for an inspection of flushing tank, soil plant, traps, manholes, inspection chambers and maintenance of gully trap	10	20	-	-
<i>Burial, Cremation Ground and Mass Casualty Disposal</i>	10	20	-	-
PC8. 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	-	-
NOS Total	60	140	-	-

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National Occupational Standards (NOS) Parameters

NOS Code	HSS/N6603
NOS Name	Disposal of Waste
Sector	Healthcare
Sub-Sector	Social Work & Community Health
Occupation	Environmental Health Services
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	18/08/2020
Next Review Date	18/12/2021
NSQC Clearance Date	19/12/2018

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HSS/N6604: Nutrition & Sanitation

Description

This unit provides knowledge, understanding, skills and ability for activities that are required to implement nutrition and sanitation policies in the community. This NOS has been derived from the module, Nutrition and Sanitation of the Short Term Training Curriculum : Sanitary Health Aide prepared by MOHFW.

Scope

The scope covers the following :

- Food & Nutrition
- Air
- Soil Sanitation
- Control of Biological Environment
- Housing, infrastructure, and water supply
- Sanitation Measures in Fairs, Festivals and Natural calamities
- Occupational Health

Elements and Performance Criteria

Food & Nutrition

To be competent, the user/individual on the job must be able to:

- PC1.** classification of public health and importance of foodstuffs
- PC2.** demonstrate assessment of daily requirement of nutrition
- PC3.** demonstrate assessment of nutritional requirement for special group
- PC4.** demonstrate assessment of nutritional status of family

Air

To be competent, the user/individual on the job must be able to:

- PC5.** how to measure and reduce intensity of air pollution

Soil Sanitation

To be competent, the user/individual on the job must be able to:

- PC6.** how will you conduct sampling for assessment of soil pollution

Control of Biological Environment

To be competent, the user/individual on the job must be able to:

- PC7.** indicate use of insecticides, pesticides, and disinfection
- PC8.** demonstrate use of spraying equipment's and its maintenance

Housing, infrastructure, and water supply

To be competent, the user/individual on the job must be able to:

- PC9.** survey a house for assessing sanitary standards and prescribe relevant measures

Sanitation Measures in Fairs, Festivals and Natural calamities

To be competent, the user/individual on the job must be able to:

- PC10.** inspect and prepare plan for fair and festival/ industry and trade and indicate the measures to be taken

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Occupational Health

To be competent, the user/individual on the job must be able to:

PCI 1. visit to a hospital for survey of sanitation issues and challenges faced by the workforce

PCI 2. identify the danger zones and adequacy of safety arrangements in the hospital kit

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the basic concepts of nutrition
- KU2.** classification of food-stuff
- KU3.** nutrient and their sources (food example)
- KU4.** different types of nutrient such as carbohydrates, proteins, vitamins, & minerals, function, source and diet requirement of each.
- KU5.** causes and prevention of low birth weight (LBW)- causes and prevention
- KU6.** protein energy
- KU7.** instructions for balanced diet
- KU8.** process of inspection of food handling establishments
- KU9.** process of inspection of mid- day meal programme
- KU10.** concept and importance of adequate ventilation
- KU11.** types of ventilation like and natural and mechanical ventilation
- KU12.** indicators of air pollution
- KU13.** process of air purification and disinfection
- KU14.** greenhouse effect, thermal comfort, air temperature humidity, radiation, evaporation and their measurements
- KU15.** classification of soil from the viewpoint of importance in public health.
- KU16.** the causes of excessive moisture in the soil
- KU17.** the process of reclamation of land
- KU18.** soil, bacteria, and parasites
- KU19.** study about insecticides, pesticides, and disinfections
- KU20.** sterilization & disinfection of different articles
- KU21.** various spraying equipment
- KU22.** uses of rodenticides & larvaecidals
- KU23.** the concept of vector control
- KU24.** general principle of healthy housing
- KU25.** home sanitation
- KU26.** food hygiene at home
- KU27.** specification for healthy housing
- KU28.** construction of latrines and recommended financial assistance as per the government norms
- KU29.** maintenance of public and community water supply and ensure proper disinfection
- KU30.** water sampling for regular bacteriological and chemical analysis
- KU31.** inspection of public and private well and/ or other water sources

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- KU32.** inspection of sanitation in hospital and health facilities
- KU33.** sanitation management at fairs and festival and sanitary problems associated with human gatherings and temporary settlements
- KU34.** alternate emergency sanitary provisions to prevent sanitation crisis for food, housing, water supply, lighting, disposal of community waste and prevention of outbreak of epidemics
- KU35.** ways to protect worker's health
- KU36.** occupational risk factors and safety measures
- KU37.** control of dust and other hazardous substance
- KU38.** safety measures for occupational risk factor

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain code of conduct, professional accountability and responsibility
- GS2.** observe ethical practices
- GS3.** maintain confidentiality and seek consent when appropriate
- GS4.** gather information from observation, experience, and reasoning
- GS5.** maintain appropriate body language
- GS6.** undertake formal & informal writing for inter- and intra-department communication including documentation and report writing
- GS7.** read and interpret internal communications correctly
- GS8.** structure brief and logical messages
- GS9.** speak clearly and slowly in a gentle tone
- GS10.** maintain effective communication with patients, family, peers and colleagues using medical terminology and handle queries and objections
- GS11.** show telephone and email etiquettes
- GS12.** plan and organize work appropriately to meet requirements
- GS13.** use time management skills
- GS14.** work management and prioritization
- GS15.** use language familiar to the listener
- GS16.** give facts and avoid opinions unless asked for
- GS17.** communicate with patient with impaired hearing/ vision/ speech/ memory
- GS18.** set goals and timelines with clearly defined key performance indicators and communicate them effectively to all relevant persons
- GS19.** keep stakeholders informed about progress
- GS20.** build customer relationships and use customer-centric approach
- GS21.** address work-related issues and problems
- GS22.** perceive the impact and implications of decisions
- GS23.** prioritize the necessary actions
- GS24.** analyze information and use logic to address work-related issues and problems
- GS25.** be adaptive to rapidly changing situations, e.g.: respond appropriately to critical situations, retain composure in stressful situations, apply existing skills to new situations

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Food & Nutrition</i>	40	40	-	-
PC1. classification of public health and importance of foodstuffs	10	10	-	-
PC2. demonstrate assessment of daily requirement of nutrition	10	10	-	-
PC3. demonstrate assessment of nutritional requirement for special group	10	10	-	-
PC4. demonstrate assessment of nutritional status of family	10	10	-	-
<i>Air</i>	-	10	-	-
PC5. how to measure and reduce intensity of air pollution	-	10	-	-
<i>Soil Sanitation</i>	-	10	-	-
PC6. how will you conduct sampling for assessment of soil pollution	-	10	-	-
<i>Control of Biological Environment</i>	-	20	-	-
PC7. indicate use of insecticides, pesticides, and disinfection	-	10	-	-
PC8. demonstrate use of spraying equipment's and its maintenance	-	10	-	-
<i>Housing, infrastructure, and water supply</i>	-	20	-	-
PC9. survey a house for assessing sanitary standards and prescribe relevant measures	-	20	-	-
<i>Sanitation Measures in Fairs, Festivals and Natural calamities</i>	-	20	-	-
PC10. inspect and prepare plan for fair and festival/ industry and trade and indicate the measures to be taken	-	20	-	-
<i>Occupational Health</i>	10	30	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. visit to a hospital for survey of sanitation issues and challenges faced by the workforce	-	20	-	-
PC12. identify the danger zones and adequacy of safety arrangements in the hospital kit	10	10	-	-
NOS Total	50	150	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	HSS/N6604
NOS Name	Nutrition & Sanitation
Sector	Healthcare
Sub-Sector	Social Work & Community Health
Occupation	Environmental Health Services
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	18/08/2020
Next Review Date	18/12/2021
NSQC Clearance Date	19/12/2018

Qualification Pack

HSS/N6605: Infection Control

Description

This unit provides knowledge, understanding, skills and ability to follow infection control polices. This NOS has been derived from the module Infection Control of the Short Term Training Curriculum : Sanitary Health Aide prepared by MOHFW.

Scope

The scope covers the following :

- Infection prevention and control
- Personal Hygiene
- Disinfection & Sterilization

Elements and Performance Criteria

Infection prevention and control

To be competent, the user/individual on the job must be able to:

PC1. demonstrate the use of personal protective equipment (PPE)

PC2. how will you prevention & control of common healthcare associated infections

Personal Hygiene

To be competent, the user/individual on the job must be able to:

PC3. conduct a programme on personal hygiene in different area and document it

Disinfection & Sterilization

To be competent, the user/individual on the job must be able to:

PC4. prepare a report on general survey of health care in different area

PC5. report on participation in various programmes

PC6. how will you ensure disinfection of hospital wards, operation theatres, labour rooms

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** evidence-based infection control principles and practices [such as sterilization, disinfection, effective hand hygiene and use of personal protective equipment (PPE)]
- KU2.** prevention & control of common healthcare associated infections
- KU3.** components of an effective infection control program
- KU4.** guidelines (NABH and JCI) for hospital infection control
- KU5.** concept of infection control and hygiene
- KU6.** factors influencing health & hygiene
- KU7.** health habits & practice, customs affecting personal hygiene
- KU8.** skin, oral and dental hygiene
- KU9.** care of hands, importance of exercises and food values

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- KUI0.** how to take care of the body
- KUI1.** care of special sensory organs
- KUI2.** factors influencing human behavior
- KUI3.** change of behavioral pattern in different age groups
- KUI4.** interpersonal relations and defense mechanism
- KUI5.** introduction to communicable and non- communicable diseases
- KUI6.** transmission of communicable disease by air, contact, by insects and other diseases
- KUI7.** concept of incidence and prevalence in non- communicable diseases
- KUI8.** effective disinfection by liquid chemical agents like halogen, potassium per magnate solution etc.
- KUI9.** solid chemical agent for disinfection and sterilization
- KU20.** process of bleaching
- KU21.** use of bleaching powder, lime etc. for disinfection and sterilization
- KU22.** concept of universal/ standard precautions
- KU23.** use of personal protective equipment (e.g., gloves, gowns, masks)
- KU24.** safe injection practices
- KU25.** safe handling of potentially contaminated equipment or surfaces in the patient environment
- KU26.** respiratory hygiene/cough etiquette

Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain code of conduct, professional accountability, and responsibility
- GS2.** observe ethical practices
- GS3.** maintain confidentiality and seek consent when appropriate
- GS4.** gather information from observation, experience, and reasoning
- GS5.** maintain appropriate body language
- GS6.** undertake formal & informal writing for inter- and intra-department communication including documentation and report writing
- GS7.** read and interpret internal communications correctly
- GS8.** structure brief and logical messages
- GS9.** speak clearly and slowly in a gentle tone
- GS10.** maintain effective communication with patients, family, peers, and colleagues using medical terminology and handle queries and objections
- GS11.** show telephone and email etiquettes
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- GS18.** set goals and timelines with clearly defined key performance indicators and communicate them effectively to all relevant persons
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Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Infection prevention and control</i>	30	40	-	-
PC1. demonstrate the use of personal protective equipment (PPE)	10	20	-	-
PC2. how will you prevention & control of common healthcare associated infections	20	20	-	-
<i>Personal Hygiene</i>	10	30	-	-
PC3. conduct a programme on personal hygiene in different area and document it	10	30	-	-
<i>Disinfection & Sterilization</i>	20	70	-	-
PC4. prepare a report on general survey of health care in different area	10	20	-	-
PC5. report on participation in various programmes	-	20	-	-
PC6. how will you ensure disinfection of hospital wards, operation theatres, labour rooms	10	30	-	-
NOS Total	60	140	-	-

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	HSS/N6605
NOS Name	Infection Control
Sector	Healthcare
Sub-Sector	Social Work & Community Health
Occupation	Environmental Health Services
NSQF Level	3
Credits	TBD
Version	1.0
Last Reviewed Date	18/08/2020
Next Review Date	18/12/2021
NSQC Clearance Date	19/12/2018

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Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. The QP and hence the assessment criteria have been derived from the curriculum of Ministry of Health and Family Welfare (MoHFW)
2. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS.
3. The assessment for the theory part will be based on the knowledge bank of questions created by the SSC.
4. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
5. Individual assessment agencies will create unique question papers for the theory part for each candidate at each examination/training center (as per assessment criteria below).
6. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
7. To pass the Qualification Pack assessment, every trainee should score a minimum of 70% of % aggregate marks to successfully clear the assessment.
8. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Recommended Pass % : 70

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
HSS/N6601.Introduction to the sanitary health aide program	40	160	-	-	200	20
HSS/N6602.Introduction to demography, statistics, and health education	60	140	-	-	200	20
HSS/N6603.Disposal of Waste	60	140	-	-	200	20

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National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
HSS/N6604.Nutrition & Sanitation	50	150	-	-	200	20
HSS/N6605.Infection Control	60	140	-	-	200	20
Total	270	730	-	-	1000	100

Qualification Pack

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
CPR	Cardio Pulmonary Resuscitation
BVM	Bag-Valve-Masks
AED	Automated External Defibrillator
SITA	Suppression of immoral Traffic Act
RCA	Recycled Waste Concrete Aggregate
LBW	Low Birth Weight

Qualification Pack

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.

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Organisational Context	<p>Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.</p>
Technical Knowledge	<p>Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.</p>
Core Skills/ Generic Skills (GS)	<p>Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today’s world. These skills are typically needed in any work environment in today’s world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.</p>
Electives	<p>Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.</p>
Options	<p>Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.</p>