Syllabus for Health Worker Attendant

Course Name	Health Worker Attendant			
Course Code	STC - HLC /2023/1626			
Sector	Healthcare			
Course Level	2.5			
Occupation	Health Worker Attendant			
Job Description	A Health Worker Attendant assists healthcare professionals by providing direct patient care, including assisting with daily activities, maintaining a clean and hygienic environment, support to chronically ill patients, pregnant women and nursing mothers and collaborating with the healthcare team to ensure the well-being and comfort of patients in			
	various healthcare settings.			
Course Duration	360 hrs(Th. 90 Hrs, Prac. 120 Hrs, ES 30 Hrs, OJT. 120 Hrs at 30 or			
	more bedded hospital for a period of not less than 2 months.)			
Trainees' Entry Qualification	Class X Pass Out			
Trainers Qualification	Trainers already registered with West Bengal Allied & Paramedical Council in relevant training module OR			
	Post Graduate from relevant allied Healthcare / MLT where ever applicable with relevant experience OR			
	Doctors with MD/MBBS/BHMS/BAMS or persons holding GNM/B.SC Nursing Certificate wherever applicable with relevant experience. In all cases Post Graduate of relevant Allied Healthcare Community will be preferred.			

Structure of Course:

Module No.	Module name	Outcome	Theory (Hrs)	Practical (Hrs)	Total (Hrs)
1	Fundamental of Human Anatomy and Physiology process	Identify different components of human anatomy and different physiological processes	15	15	30
2	Diseases caused by different organisms	List the diseases which occur in human body with the importance of immunization and disinfectants for preventing the onset of disease.	10	20	30
3	Causes of malnutrition and preventive measures	Identify the causes of malnutrition and suggest measures to avoid health problems along with knowledge of symptom and preventive measures taken for diarrhea, malaria, fever and vomiting and water borne disease.	15	15	30
4	Measurement of BP, Temperature, oxygen	Measure BP, Temperature, oxygen level, Height and Weight of a healthy person as	10	20	30

	level, Height and Weight	well as of a patient			
	Arrangement of oxygen	Arrange oxygen cylinders for a distressed		15	30
5	cylinder	person or persons	15		
		suffering from any	13		
		respiratory problem.			
6	Nebulization	Nebulization with different medicines as	10	20	30
		advised by the physician	10	20	50
	Hospital House Keeping	Basic knowledge of Sanitation, personal			
7		hygiene, different detergent and	15	15	30
		disinfectants.			
8	Employability Skill		30		30
9	OJT	At 30 or more bedded hospital for a period		120	120
		of not less than 3 months		120	120
TOTAL:			120	240	360

SYLLABUS:

Module No. 1: Fundamental of Human Anatomy and Physiology process

Course Outcome: Identify different components of human anatomy and different physiological processes

Theory Content:

General idea about human anatomy

- 1. Introduction to Human anatomy and Physiology
- 1.1 Definition and importance of human anatomy.
- 1.2 Levels of structural organization in the human body (e.g., cells, tissues, organs, systems).
- 1.3 Differentiating between anatomy and physiology
- 2. Cell Structure and Function
- 2.1 Basic cell structure, including the cell membrane, nucleus, and organelles.
- 2.2 Cell functions and their role in the body.
- 3. Tissues
- 3.1 Overview of the four primary tissue types: epithelial, connective, muscle, and nervous tissues.
- 3.2 Functions and characteristics of each tissue type.
- 4. Skeletal System:
- 4.1 Introduction to the human skeleton.
- 4.2 The structure and functions of bones.
- 4.3 Major bones of the axial and appendicular skeleton.
- 5. Muscular System:
- 5.1 Types of muscles (skeletal, smooth, and cardiac).
- 5.2 Muscular tissue structure and function.
- 5.3 Major muscles and their role in movement.

- 6. Digestive System:
- 6.1 Organs of the digestive system.
- 6.2 Functions of each digestive organ.
- 6.3 The process of digestion and absorption of nutrients.
- 7. Circulatory System:
- 7.1 The heart and its structure.
- 7.2 Blood vessels and their types.
- 7.3 Circulation of blood through the body.
- 7.4 Function of blood and components of blood.
- 8. Respiratory System:
- 8.1 Respiratory organs (e.g., lungs, trachea).
- 8.2 The process of respiration and gas exchange.
- 8.3 Importance of breathing and lung function.
- 9. Nervous System
- 9.1 Structure and function of the nervous system.
- 9.2 Neurons and nerve impulses.
- 9.3 Central nervous system (CNS) and peripheral nervous system (PNS).
- 10. Excretory System
- 10.1 Organs involved in excretion (e.g., kidneys, bladder).
- 10.2 Functions of the excretory system.
- 10.3 Role in maintaining homeostasis.

Practical Content:

- 1. Prepare slides on Human anatomy.
- 2. Prepare chart paper of parts of human body.
- 3. Demonstration of 3D models of different organs of the body like heart, lungs, liver etc.
- 4. Microscope and its use. Microscopic examination of cells and tissues. Observation of blood cells and microscopic organisms.
- 5. Determine of blood pressure- systolic and diastolic.
- 6. Recording of pulse.
- 7. Prepare slides on human physiology.
- 8. Prepare chart paper of different systems of human physiology.
- 9. Demonstrate of 3D models of digestive system.
- 10. Fresh mount of blood, stained blood smear-study under microscope.
- 11. Estimation of haemoglobin-Sahli's method.
- 12. RBC count, WBC count (total and differentiation).
- 13. Determination of ESR.
- 14. Effect of exercise on pulse rate and respiration.
- 15. Histology of epithelial, connective, muscular and nervous tissue.
- 16. Identify the prepared slides-Trachea, Lung section, Kidney, Skin, Artery and Vein.
- 17. Identify male and female reproductive organs on models. Study of reproductive system diagrams.
- 18. Measure the temperature regulation experiments using thermometers and cold/hot water.

Module No. 2: Diseases caused by different organisms

<u>Course Outcome:</u> List the diseases which occur in human body with the importance of immunization and disinfectants for preventing the onset of disease

Theory Content:

- 1. Communicable diseases causative organism, type, food source, prevention and clinical symptoms of
- 1.1 Food borne diseases:
- 1.2 Bacteria Escherichia Coli.
- 1.3 Parasite-Giardiasis.
- 1.4 Virus-Norovirus
- 2. Water borne diseases:
- 2.1 Bacteria- Salmonella typhi, Vibrio cholerae, Shigella.
- 2.2 Parasite- Giardia lamblia, female Anopheles mosquito.
- 2.3 Virus- Hepatitis A virus.
- 2.4 Protozoa- Entamoeba histolytica.
- Insect borne diseases:
- 3.1 Parasite-Lymphatic filariasis
- 3.2 Virus- Chikungunya, Dengue, Yellow Fever.
- 4. Air borne disease:
- 4.1 Corona Virus, Influenza, Chickenpox, Mumps, Measles, Pertussis, Tuberculosis.
- 5. Elaborate the name of blood cells, acid or enzyme Involved in fighting against infections agent
- 6. List out the name of vaccines used for particular disease
- 7. Name of disinfectants commonly used.
- 8. Mention what precautions is to be taken while using disinfectants

Practical Content:

- 1. Identify the food and water borne disease, insect and air borne diseases
- 2. State the name of different causative agents of diseases like cholera,
- 3. Tuberculosis, Typhoid etc.
- 4. Elaborate the name of blood cells, acid or enzyme Involved in fighting against infections agent
- 5. List out the name of vaccines used for particular disease
- 6. Name of disinfectants commonly used.
- 7. Mention what precautions is to be taken while using disinfectants

Module No. 3: Causes of malnutrition and preventive measures

<u>Course Outcome</u>: Identify the causes of malnutrition and suggest measures to avoid health problems along with knowledge of symptom and preventive measures taken for diarrhea, malaria, fever and vomiting and water borne disease.

Theory Content:

- 1. What is malnutrition
- 2. Observing the picture to identify the children suffering from malnutrition
- 3. Prepare the list of food items as per chart

- 4. Write the food required to avoid malnutrition
- 5. Prepare the chart and report to doctor
- 6. Exhibit the name of disinfectants commonly used.
- 7. Ensure the precautions is to be taken while using disinfectants
- 8. Write the name of causative agents responsible for diarrhea, malaria, and fever and vomiting.
- 9. Name the sources of water which may result in water borne diseases.
- 10. List the standard parameters for maintaining quality of drinking water.

Practical Content:

- 1. Identify by seeing picture to detect the children suffering from malnutrition.
- 2. Prepare a list of food items as per chart.
- 3. Write what nutrient is more in what type of food is required to avoid malnutrition.
- 4. Prepare the chart and report to doctor
- 5. List out the name of disinfectants commonly used.
- 6. Mention what precautions is to be taken while using disinfectants
- 7. Write the name of causative agents responsible for diarrhea, malaria, and fever and vomiting.
- 8. Relate the symptom with the particular health problem.
- 9. Name the sources of water which may result in water borne diseases. List the standard parameters for maintaining quality of drinking water.

Module No. 4: Measurement of BP, Temperature, oxygen level, Height and Weight

<u>Course Outcome:</u> Measure BP, Temperature, oxygen level, Height and Weight of a healthy person as well as of a patient

Theory Content:

- 1. Measurement of Blood Pressure (BP):
- 1.1 Introduction to blood pressure and its significance in health monitoring.
- 1.2 Understanding systolic and diastolic pressure.
- 1.3 Units of measurement (mm Hg).
- 1.4 Use of a sphygmomanometer and stethoscope.
- 1.5 The procedure for measuring blood pressure.
- 1.6 Interpretation of blood pressure readings (normal, high, low).
- 2. Measurement of Temperature:
- 2.1 Introduction to body temperature and its importance.
- 2.2 Scales of temperature (Celsius and Fahrenheit).
- 2.3 Common types of thermometers (oral, ear, forehead, digital).
- 2.4 The procedure for measuring body temperature at different sites.
- 2.5 Normal body temperature range.
- 2.6 Interpretation of temperature readings.
- 3. Measurement of Oxygen Level (Oxygen Saturation SpO2):
- 3.1 Importance of oxygen saturation in assessing respiratory health.
- 3.2 Introduction to pulse oximeters.
- 3.3 Understanding the concept of oxygen saturation percentage (%SpO2).
- 3.4 Placement of the pulse oximeter probe (typically on the finger).
- 3.5 The procedure for measuring oxygen saturation.

- 3.6 Interpretation of SpO2 readings (normal range and implications of low saturation).
- 4. Measurement of Height:
- 4.1 The significance of measuring height for growth assessment.
- 4.2 Equipment used for height measurement
- 4.3 Proper positioning of the individual being measured.
- 4.4 The procedure for measuring height accurately.
- 4.5 Recording and interpretation of height measurements.
- 5. Measurement of Weight:
- 5.1 Importance of monitoring weight for health assessment.
- 5.2 Types of weighing scales (analog and digital).
- 5.3 Proper use and calibration of weighing scales.
- 5.4 The procedure for measuring weight.
- 5.5 Recording and interpretation of weight measurements.
- 5.6 Factors affecting these measurements (e.g., factors affecting blood pressure readings).
- 5.7 Ethical considerations and patient communication when taking these measurements.

Practical Content:

- 1. Measurement of Blood Pressure (BP):
- 1.1 Introduction to the sphygmomanometer and stethoscope.
- 1.2 Demonstrating the proper use and handling of the equipment.
- 1.3 Practice sessions for students to measure BP on fellow students or mannequins.
- 1.4 Emphasis on proper placement of the cuff, stethoscope, and techniques for listening to Korotkoff sounds.
- 1.5 Recording and comparing blood pressure readings among classmates.
- 1.6 Discussion of factors affecting BP (e.g., posture, arm position).
- 2. Measurement of Temperature:
- 2.1 Introduction to different types of thermometers (e.g., digital, oral, ear).
- 2.2 Practice sessions for measuring temperature at various sites (e.g., oral, forehead).
- 2.3 Proper technique for thermometer placement and reading.
- 2.4 Discussing factors affecting temperature measurements (e.g., time of day).
- 2.5 Comparing temperature readings among classmates.
- 2.6 Identifying situations where temperature measurement is necessary (e.g., fever monitoring).
- 2.7 Measurement of Oxygen Level (Oxygen Saturation SpO2):
- 2.8 Introduction to pulse oximeters and their components.
- 2.9 Hands-on experience with pulse oximeters.
- 2.10 Practice in placing the oximeter probe on a finger and obtaining oxygen saturation readings.
- 2.11 Interpretation of SpO2 readings.
- 2.12 Understanding the significance of oxygen saturation in different clinical scenarios.
- 3. Measurement of Height:
- 3.1 Introduction to the stadiometer and its components.
- 3.2 Proper positioning of the stadiometer for accurate height measurement.
- 3.3 Practice sessions for measuring the height of classmates.

- 3.4 Recording height measurements and comparing them.
- 4. Measurement of Weight:
- 4.1 Introduction to different types of weighing scales (analog and digital). Demonstrating how to use and calibrate the scales.
- 4.2 Practice sessions for measuring classmates' weights.
- 4.3 Recording weight measurements and comparing them.
- 4.4 Discussing the importance of weight measurement in health assessment.
- 5. Emergency Health Risk Assessment
- 5.1 Recording Initial assessment form patient party
- 5.2 Documentation at emergency front desk
- 5.3 Checking Vitals: BP, Temperature, Oxygen Saturation, measuring sugar levels
- 5.4 Assisting Nursing staff in emergency procedures
- 5.5 Assisting Nursing staff in emergency medications
- 5.6 Shifting patients to wards / ICU
- 5.7 Maintenance of patient shifting protocols

Module No. 5: Arrangement of oxygen cylinder

<u>Course Outcome:</u> Arrange oxygen cylinders for a distressed person or persons suffering from any respiratory problem.

Theory Content:

- 1. Introduction to Oxygen in Healthcare:
- 1.1 Explain the critical role of oxygen in healthcare for patients with respiratory distress, surgery, and various medical conditions.
- 1.2 Emphasize the need for a reliable and efficient system to provide a continuous supply of oxygen.
- 2. Types of Oxygen Cylinders:
- 2.1 Describe the common types of oxygen cylinders used in healthcare settings, such as compressed gas cylinders and liquid oxygen systems.
- 2.2 Explain the differences between portable and stationary oxygen cylinders.
- 3. Handling and Storage of Oxygen Cylinders:
- 3.1 Safety precautions when handling oxygen cylinders, including proper lifting techniques.
- 3.2 Storage requirements, such as secure storage areas, temperature control, and protection from physical damage.
- 3.3 Discuss the importance of labeling cylinders to indicate their contents and pressure levels.
- 4. Oxygen Cylinder Components:
- 4.1 Explanation of the essential components of an oxygen cylinder, including the cylinder body, valve, pressure regulator, and flowmeter.
- 4.2 Demonstration of how to assemble and disassemble oxygen delivery systems.
- 5. Oxygen Flow Rates and Concentrations:
- 5.1 Clarify the relationship between flow rates (L/min) and oxygen concentrations delivered to patients.

- 5.2 Discuss the factors influencing the determination of appropriate flow rates for patients.
- 6. Safety Precautions and Emergency Procedures:
- 6.1 Detailed safety guidelines for healthcare personnel when working with oxygen cylinders, including no smoking policies and fire safety measures.
- 6.2 Instructions for handling oxygen cylinder emergencies, such as cylinder leaks or fires.
- 7. Transportation of Oxygen Cylinders:
- 7.1 Guidelines for transporting oxygen cylinders within healthcare facilities and during patient transfers.
- 7.2 Proper securing and labeling of cylinders during transportation.
- 8. Documentation and Record-Keeping:
- 8.1 The importance of maintaining accurate records of oxygen cylinder usage, including patient details, cylinder identification, and pressure readings.
- 9. Compliance with Regulations and Standards:
- 9.1 Explain the regulatory standards and guidelines (e.g., FDA, WHO) that govern the use and handling of medical oxygen.
- 9.2 Stress the importance of complying with these regulations to ensure patient safety and quality care.

Practical:

- 1. Introduction to Oxygen Cylinder Components:
- 1.1 Provide hands-on experience with actual oxygen cylinders, regulators, flowmeters, and masks.
- 1.2 Explain the function and use of each component, emphasizing safety precautions.
- 2. Cylinder Inspection and Labeling:
- 2.1 Guide students on how to inspect cylinders for damage, such as dents or leaks, and how to read cylinder labels to determine gas type and pressure.
- 2.2 Identify and report any issues with cylinders.
- 3. Proper Storage Procedures:
- 3.1 Procedure of storing oxygen cylinders safely in a designated storage area.
- 3.2 Emphasize the importance of securing cylinders to prevent them from falling or tipping over.
- 4. Cylinder Connection and Setup:
- 4.1 Demonstrate how to properly connect regulators and flowmeters to oxygen cylinders.
- 4.2 Provide hands-on practice for students to connect and set up a cylinder, ensuring they understand the process thoroughly.
- 5. Oxygen Delivery Devices:
- 5.1 Introduce various oxygen delivery devices, such as nasal cannulas, masks, and venturi masks.
- 5.2 Explain when and how to use each type of device and demonstrate their proper placement on patients.
- 6. Flow Rate Adjustment:
- 6.1 Adjust and set the oxygen flow rate using flowmeters according to a physician's prescription.
- 6.2 Practice adjusting flow rates and ensuring proper oxygen delivery.

Module No 6: Nebulization

Course Outcome:

Basic knowledge of principles of Nebulization.

Theory:

- a. Basic principles of nebulization technique.
- b. Parts of the nebulization machines.
- c. Nebulization with oxygen.

Practicals:

- 1.1 Assembling and dissembling a nebulization machines
- 1.2 Maintenance and cleaning of nebulization machines.

Module No 7: Hospital House keeping

Course Outcome:

Basic knowledge of Sanitation, personal hygiene, different detergent and disinfectants.

Theory:

Basic principles of sanitation and peculiarity to hospital environment.

Basic principles of personal hygiene

Basic knowledge about different detergent and disinfectants

Different cleaning procedures applicable to different hospital areas

Basic knowledge about cleaning equipments - Their operation techniques and maintenance.

Different processes of Water treatment & purification, removing bacteria

Basic principles of ventilation, composition of Air, Air flow, Humidity and temperature.

Common types of odours and their sources of origin.

Removal and control technique of different types of odours.

Various equipment's and materials used for odour control operations

Hospital Waste - Source and generation of waste, Hazards of hospital waste to hospital population and community.

Principles of collection of different types of hospital

Classification of fire, importance of fire in hospital.

Basic methods of extinction of fire. Principals of working of different types of Fire Extinguishers.

Principles of working of different Fire Fighting Equipment.

Awareness of tackling dangerous situation e.g. Earthquake, Cyclones, Floods etc.

Basics of life cycles of pastes, Rodents.

Vulnerable areas of paste and Rodent nuisance.

Disease transmission by pastes and Rodents and other animals.

Prevention, control and eradication of paste, Rodents and other animals

Practical Syllabus:

Work on Sanitation and cleaning of the Hospital & Environment.

- 1. Basic Cleaning Dusting Sweeping Polishing Washing
- 2. Special cleaning of Different types of floors Wall & Ceiling Doors & Windows Furniture & Fixtures Venetian Blinds
- 3. Daily Maintenance of Toilet.

- 4. Perform Water treatment, Filtering & Purification.
- 5. Identify and determine the types and sources of unwanted odours in hospital premises.
- 6. Control and removal of bad odours in and surrounding of the hospital.
- 7. Perform hospital waste Collection, Transportation & Disposal
- 8. Work on activity for Safety Awareness on Fire, Electrical & Natural Hazards.
- 9. Identify fire risk areas in hospital.
- 10. Demonstrate fire prevention activities.
- 11. Demonstrate as per instruction by Fire Department / Fire Brigade team.
- 12. Detect source of fire, Operate fire alarm, Smoke Detector, Demonstrate Firefighting operation, Fire picketing, Fire salvage operation like salvage of men, material and equipment.
- 13. Ensure & demonstrate periodical firefighting drill and dangerous condition application.
- 14. Identify & control pastes, Rodents & Animal Nuisance in hospital
- 15.Organize and perform the precautionary step to control and eradication of Rodent and Animal nuisance.
- 16. Practical in Biomedical Waste Management (BWM)

Segregation of BWM as per color codes

Collection techniques and protocols of BWM

Transportation system of Biomedical wastes

Treatment techniques to make biomedical wastes less hazardous

Disposal system and protocols of biomedical wastes

Module No 8: Employability Skills

Introduction to Employability Skills

After completing this programme, participants will be able to:

- Discuss the Employability Skills required for jobs in various industries
- 2. List different learning and employability related GOI and private portals and their usage

Constitutional values - Citizenship

- 3. Explain the constitutional values, including civic rights and duties, citizenship, responsibility towards society and personal values and ethics such as honesty, integrity, caring and respecting others that are required to become a responsible citizen
- 4. Show how to practice different environmentally sustainable practices.

Becoming a Professional in the 21st Century

- 5. Discuss importance of relevant 21st century skills.
- 6. Exhibit 21st century skills like Self-Awareness, Behavior Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn etc. in personal or professional life.
- 7. Describe the benefits of continuous learning.

Basic English Skills

- 8. Show how to use basic English sentences for everyday conversation in different contexts, in person and over the telephone
- 9. Read and interpret text written in basic English
- 10. Write a short note/paragraph / letter/e -mail using basic English

Career Development & Goal Setting

11. Create a career development plan with well-defined short- and long-term goals

Communication Skills

- 12. Demonstrate how to communicate effectively using verbal and nonverbal communication etiquette.
- 13. Explain the importance of active listening for effective communication
- 14. Discuss the significance of working collaboratively with others in a team

Diversity & Inclusion

- 15. Demonstrate how to behave, communicate, and conduct oneself appropriately with all genders and PwD
- 16. Discuss the significance of escalating sexual harassment issues as per POSH act.

Financial and Legal Literacy

- 17. Outline the importance of selecting the right financial institution, product, and service
- 18. Demonstrate how to carry out offline and online financial transactions, safely and securely
- 19. List the common components of salary and compute income, expenditure, taxes, investments etc.
- 20. Discuss the legal rights, laws, and aids

Essential Digital Skills

- 21. Describe the role of digital technology in today's life
- 22. Demonstrate how to operate digital devices and use the associated applications and features, safely and securely
- 23. Discuss the significance of displaying responsible online behavior while browsing, using various social media platforms, e-mails, etc., safely and securely
- 24. Create sample word documents, excel sheets and presentations using basic features
- 25. utilize virtual collaboration tools to work effectively

Entrepreneurship

- 26. Explain the types of entrepreneurship and enterprises
- 27. Discuss how to identify opportunities for potential business, sources of funding and associated financial and legal risks with its mitigation plan
- 28. Describe the 4Ps of Marketing-Product, Price, Place and Promotion and apply them as per requirement
- 29. Create a sample business plan, for the selected business opportunity

Customer Service

- 30. Describe the significance of analyzing different types and needs of customers
- 31. Explain the significance of identifying customer needs and responding to them in a professional manner.
- 32. Discuss the significance of maintaining hygiene and dressing appropriately

Getting Ready for apprenticeship & Jobs

- 33. Create a professional Curriculum Vitae (CV)
- 34. Use various offline and online job search sources such as employment exchanges, recruitment agencies, and job portals respectively
- 35. Discuss the significance of maintaining hygiene and confidence during an interview

- 36. Perform a mock interview
- 37. List the steps for searching and registering for apprenticeship opportunities

List of Tools, Equipment & materials needed for 30 Trainees (Practical)

SI. No.	Name	Specification	Quantity
1.	Absolute alcohol		As required
2.	Methyl alcohol.		As required
3.	Giemsa stain		As required
4.	Benedict Reagent		As required
5.	Sulphate		As required
6.	10% Sodium Hydroxide		As required
7.	Acetic acid		As required
8.	Methylene blue		As required
9.	Conc Sulphuric Acid, Hydrochloric acid, Nitric Acid		As required
10.	EDTA.		As required
11.	Sodium Citrate		As required
12.	Sodium Oxalate		As required
13.	Gram stain		As required
14.	Haematoxylin stain		As required
15.	Glycerine		As required
16.	Formaldehyde		As required
17.	Distilled water		As required
18.	Saline solution		As required
19.	Albumin powder		As required
20.	lodine		As required
21.	Acetone		As required
22.	Chart and posters		As required
23.	PPE kit		As required
24.	Oxygen cylinder with accessories		1 set
25.	Nebulisation Machine		2 nos
26.	Thermometer		4 nos
27.	BP measuring instrument		2 nos
28.	Wheel chair		1 no
29.	Stretcher		1 no
30.	First aid kit		4 nos
31.	Desk top Computer		2 nos
32.	Internet connection		1 no
33.	Printer		1 no
34.	Computer table and chair		2 nos

OJT to be performed at a Grade 3 or above diagnostic center OR at 30 or more bedded hospital for a period of not less than 3 months

Marks Distribution

Outcome	Outcome Code	Total Th marks	Total Pr marks	Total OJT marks
Identify different components of human anatomy and different physiological processes	HLC/1626/OC1	30	90	0
List the diseases which occur in human body with the importance of immunization and disinfectants for preventing the onset of disease.	HLC/1626/OC2	10	100	0
Identify the causes of malnutrition and suggest measures to avoid health problems along with knowledge of symptom and preventive measures taken for diarrhea, malaria, fever and vomiting and water borne disease.	HLC/1626/OC3	30	90	0
Measure BP, Temperature, oxygen level, Height and Weight of a healthy person as well as of a patient	HLC/1626/OC4	10	100	0
Arrange oxygen cylinders for a distressed person or persons suffering from any respiratory problem.	HLC/1626/OC5	30	90	0
Nebulization with different medicines as advised by the physician	HLC/1626/OC6	10	100	0
Basic knowledge of Sanitation, personal hygiene, different detergent and disinfectants.	HLC/1626/OC7	30	80	0
OJT	HLC/1626/OC8	0	0	150
Employability Skills – 30 Hrs	DGT/VSQ/N0101	50	0	0