

MULTI SKILL FOUNDATION COURSE
JOB ROLE: MULTI SKILL ASSISTANT TECHNICIAN
QP CODE: MLT/Q0001
CLASS 10- CURRICULUM FOR COVID PERIOD (20 % Reduced Curriculum)

Total No of Topics - 30
Total No of Topics Deducted from four section - 6
20 % of 30 = 6
20 % Reduction Of Multiskill Curriculum as Follows - (Practicals need to drop out are highlighted in red color)

Sl. No.	List Of Units	List of Practicals Aligned With Each Unit
UNIT 1:	WORKSHOP & ENGINEERING TECHNIQUES	
A	BASIC WORKSHOP TOOL AND TECHNIQUE	
SESSION 1	INTRODUCTION OF ENGINEERING DRAWING INSTRUMENTS	1. Identification and use of Engineering Drawing instruments
SESSION 2	ENGINEERING DRAWING (ORTHOGRAPHIC & ISOMETRIC PROJECTION)	2. Draw plan, elevation of simple objects (Cone, Cylinder, Cube)
SESSION 3	SAFETY PRECAUTIONS IN ENGINEERING WORKSHOP	3. Demonstrate the use of necessary safety measures inside Engineering Workshop.
SESSION 4	INTRODUCTION TO ENGINEERING MEASUREMENT INSTRUMENTS	4. Demonstrate the use of Engineering measurement Instrument (Vernier Caliper, Outside micrometer, Vernier white gauge)
SESSION 5	TYPES OF GI PIPE FITTINGS	5. Carry out GI Piping Using threading, coupling two or more pipes using different fittings
SESSION 6	WELDING TECHNIQUE & WELDING JOINT TEST	6. Make any one of the following object (Hanger, Tin box, Bangle box using T- fillet joint, Open corner joint, Single V butt joint) (Covered in 9th grade)
B	BASIC TECHNIQUES IN BUILDING CONSTRUCTION -	
SESSION 7	Basic TECHNIQUES IN BUILDING CONSTRUCTION -Ferro Cement Sheet	7. Prepare ferro cement sheet.

SESSION 8	MAKING OF RCC COLUMN	8. Prepare RCC column
SESSION 9	COSTING OF CONSTRUCTION	9. Calculate Costing of construction (Can calculate the costing of construction based on the basic knowledge of construction material covered in 9th grade)
SESSION 10	PLASTERING AND PAINTING	10. Plaster an area of 1 sq. meter
UNIT 2:	ENERGY AND ENVIRONMENT	
A	INTRODUCTION TO ELECTRICAL TECHNIQUES AND PRACTICES	
SESSION 1	INTRODUCTION TO ELECTRICAL TECHNIQUES AND PRACTICES	1. Prepare simple & parallel electrical circuit
SESSION 2	INTRODUCTION OF ELECTRIC PUMP, DOL STARTER, AND INVERTER	2. Identify different parts & working principle of inverter 3. Identify different parts & working principle of motor/pump 4. Demonstrate installation of DOL/Starter to motor
B	INTRODUCTION TO ENERGY CONSERVATION	
SESSION 3	SOLAR ENERGY	5. Identify the various components & working principle of solar devices
SESSION 4	DEMONSTRATE THE FUNCTIONING AND OPERATION OF A PETROL OR DIESEL ENGINE	6. Identify the various components & working principle of Petrol & Diesel Engine
C	INTRODUCTION TO WASTE DISPOSAL AND RECYCLING	
SESSION 5	BIO GAS CONCEPT AND USE	7. Identify the various components of biogas plant and prepare biogas from biomass
SESSION 6	WATER CONSERVATION CONCEPT	9. Identify & study the different components of rain water harvesting system
SESSION 7	RAINFALL MEASUREMENT METHOD	10. Make a rain gauge using plastic bottle & funnel

SESSION 8	LAND SURVEY METHOD	11. Use plain table /dumpy level to mark contours
UNIT 3	GARDENING, NURSERY AND AGRICULTURAL TECHNIQUES	
A	INTRODUCTION TO NURSERY TECHNIQUE	
SESSION 1	NURSERY TECHNIQUE	1. Prepare seed bed 2. Demonstrate different grafting methods
SESSION 2	IRRIGATION & WATER CONSERVATION METHODS	3. Demonstrate the knowledge and application of different irrigation & water conservation methods (surface irrigation, Furrow , basin ,sprinkler & drip irrigation) 4. Demonstrate installation & maintenance of drip/sprinkler irrigation system
SESSION 3	INTERPRETING RESULT OF SOIL TESTING	5. Demonstrate the procedure for collecting soil sample interpret the results of soil test
B	INTRODUCTION TO DAIRY TECHNOLOGY	
SESSION 4	ARTIFICIAL INSEMINATION	6. Identify breeds used for artificial insemination
SESSION 5	PREPARE FODDER FOR ANIMALS	7. Prepare fodder for animals
UNIT 4	PERSONAL HEALTH AND HYGIENE	
A	INTRODUCTION TO HEALTH WELLNESS	
SESSION 1	BALANCED DIET	1. Identify different nutrition deficiency diseases
SESSION 2	PERSONAL HEALTH & HYGIENE AND COMMUNITY HEALTH & MENTAL HEALTH	

SESSION 3	COMMUNICABLE & NON-COMMUNICABLE DISEASES, VACCINATION, DEHYDRATION AND EMERGENCY FIRST AID	2.Prepare O.R.S solution 3.Prepare Emergency FIRST AID kit & learn to use FIRST AID kit
SESSION 4	BLOOD & BLOOD GROUP-BASIC INFORMATION AND BLOOD PRESSURE AND MEASURING HEMOGLOBIN	4 Demonstrate identification of different Blood groups 5.Determine blood pressure using blood pressure machine 6. Demonstrate Measurement of blood hemoglobin count
B	COMMUNITY AND ENVIRONMENT CARE	
SESSION 5	COMMUNITY HEALTH & ENVIRONMENT CARE (AWARENESS PROGRAMS FOR PEOPLE WITH SPECIAL NEEDS AND FAMILY HEALTH AND HEALTH PLANNING)	7. Calculate medical health expenses of a family
SESSION 6	POLLUTION - SOURCES, EFFECTS AND SOLUTIONS AND WATER QUALITY TESTING	8. Perform water quality test using H ₂ O strip testing kit
SESSION 7	FOOD PRODUCTS (HANDLING OF FOOD PRODUCTS , PERISHABLE & NON-PERISHABLE FOOD, PACKED & LOOSE FOOD AND FRESH & STALE FOOD PRODUCT	9. Identify Perishable & Non Perishable food 10. Identify the hygienic practices adopted for handling of food. Develop & administer a questionnaire on food habits & hygienic practices