

CBSE | DEPARTMENT OF SKILL EDUCATION

Multi Skill Foundation (SUBJECT CODE 416)

CLASS X (SESSION 2021-2022) Marking Scheme

Max. Time Allowed: 1 Hour (60 min)

Max. Marks: 25

PART A - EMPLOYABILITY SKILLS (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA (2 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
4	Entrepreneurial Skills-II	2	1	-	3
5	Green Skills-II	2	1	-	3
TOTAL QUESTIONS		4	2	-	06
NO. OF QUESTIONS TO BE ANSWERED		Any 3	Any 1	-	04
TOTAL MARKS		3 x 1 = 3 Marks	1 x 2 = 2 Marks	-	05 Marks

PART B - SUBJECT SPECIFIC SKILLS (20 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA (2 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
2	Energy and Environment - (Session 4,6,7 & 8 – Total 4 session)	2	2	1	5
3	Gardening, Nursery & Agriculture Techniques	2	2	1	5
4	Personal Health and Hygiene	2	2	1	5
TOTAL QUESTIONS		06	06	03	15
NO. OF QUESTIONS TO BE ANSWERED		04	04	02	10
TOTAL		4 x 1 = 04	4 x 2 = 08	2 x 4 = 08	20
TOTAL MARKS		5 + 20 = 25 MARKS			

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General Instructions:

1. Please read the instructions carefully
2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.
3. Section A is of 05 marks and has 06 questions on Employability Skills.
 - a) Questions numbers 1 to 4 are one mark questions. Attempt any three questions.
 - b) Questions numbers 5 and 6 are two marks questions. Attempt any one question.
4. Section B is of 12 marks and has 12 questions on Subject Specific Skills.
 - a) Questions numbers 7 to 12 are one mark questions. Attempt any four questions.
 - b) Questions numbers 13 to 18 are two marks questions. Attempt any four questions.
5. Section C is of 08 marks and has 03 competency-based questions.
 - a) Questions numbers 19 to 21 are four marks questions. Attempt any two questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.

SECTION A

(3 + 2 = 5 marks)

Answer any 3 questions out of the given 4 questions. Each question is of mark.		1 x 3 = 3
Q.1	When more entrepreneurs sell the same product, how it affects the price of product? Ans: The price of product goes down.	1
Q.2	Write any two functions of entrepreneur. Ans: <ol style="list-style-type: none">1. Making decisions.2. Managing the business.3. Divide income.4. Taking risk.5. Create a new product/idea/method. (Note: Any two functions should be considered for evaluation)	1
Q.3	What is the targeted year by which Sustainable Development Goals are to be achieved? Ans: Targeted year is 2030.	1
Q.4	If we carry a cloth bag for shopping, are we playing our role towards sustainable development? Ans: Yes, we are playing our role towards sustainable development	1
Answer any 1 question out of the given 2 questions. Each question is of mark.		2 x 1 = 2
Q.5	Write down the misconceptions about the entrepreneurship? Ans: The misconceptions about entrepreneurship are as follows <ol style="list-style-type: none">1. Every business idea needs to be unique or special.2. A person needs a lot of money to start a business.3. Only a person having a big business is an entrepreneur.4. Entrepreneurs are born and not made.	2

Q.6	<p>Mention any four points that are included in sustainable development? Ans: The sustainable development includes following points:</p> <ol style="list-style-type: none"> 1. Reduces excessive uses of resources and enhancing resource conservation. 2. Recycling and reuse of waste materials. 3. Scientific management of renewable bio- resources 4. Planting more trees. 5. Using more environment friendly/ bio degradable material 6. Use of technologies which are environmental friendly and based on efficient use of resources. 7. Green grassy patches and trees to be interspersed between concrete buildings. <p>(Note: Any four points should be considered for evaluation)</p>	2
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SECTION B

(4 + 8 = 12 marks)

Answer any 04 questions out of the given 06 questions		1 x 4 = 4
Q.7	<p>What is Engine? Ans: An engine is a machine which converts the chemical energy from fuel into mechanical forms of energy through heat waves.</p>	1
Q.8	<p>How much % water is drinkable on earth? Ans: Only 3% water is drinkable on earth.</p>	1
Q.9	<p>Write the PH of neutral soil. Ans: 7</p>	1
Q.10	<p>In which areas, the main technique of rain water harvesting is surface spreading since large open surface of land are available for soaking? Ans - Rural areas</p>	1
Q.11	<p>What is balanced diet? Ans- The diet, which provide all the necessary elements for the nutrition of body is called balanced diet.</p>	1
Q.12	<p>What is the full form of ORS? Ans- Oral Rehydration Solution.</p>	1
Answer any 04 questions out of the given 06 questions		2 x 4 = 8
Q.13	<p>Write down any four advantages of saving rainwater. Ans:</p> <ol style="list-style-type: none"> 1. It is an alternate means of water supply to ground water and corporation. 2. The construction and farming would be possible in areas with no water supply. 3. High quality of water: clean, pure without chemicals. 4. Zero expenditure on water supply. 5. Soil erosion and flood will be less. 	2
Q.14	<p>Write down the function of Piston ring & Connecting rod. Ans:</p> <ol style="list-style-type: none"> 1. Piston ring - It fills the gap between cylinder and piston. 2. Connecting rod: It connects the piston to the crankshaft.. 	2
Q.15	<p>How to prepare soil sample ready for soil testing? Ans:</p> <ol style="list-style-type: none"> 1. The soil sample dried in the shade should be crushed lightly in the wooden mortar. 2. Remove plant parts, gravels and other unwanted materials from it and the crushed sample should be shifted by using 2mm sieve. 	2
Q.16	<p>Why mother plant is important in nursery? Ans:</p>	2

	<ol style="list-style-type: none"> 1. It produce good quality tress. 2. Only those plants should be cultivated as mother plant for preparing grafts and buds whose history and quality is known for sure. 	
Q.17	<p>Write down any four factors that can affect our health.</p> <p>Ans:</p> <ol style="list-style-type: none"> 1. Smoking 2. Alcohol 3. Poor diet leading to obesity and malnutrition 4. Lack of physical exercise 5. Improper rest 6. Mental health-stress <p>(Note: Any four factors should be considered for evaluation)</p>	2
Q.18	<p>Name the different types of human blood group.</p> <p>Ans: Different types of human blood group are-</p> <ol style="list-style-type: none"> 1. 'A' blood group 2. 'B' blood group 3. 'AB' blood group 4. 'O' blood group 	2

SECTION C
(COMPETENCY BASED QUESTIONS)

(2 x 4 = 8 marks)

Once upon a time there was small village where young farmer named Chandan was known as nursery Chandan. In two years Chandan earned near about Rs.2.14 lakhs from the sale of grafted seedlings. It has now become a mouth story in the region where the average annual earnings for small farmer like him does not exceed more than Rs.15000.

Chandan attended training on plant nursery operations and management which was conducted by state agriculture department. To produce healthy and viable plants in nursery he got to know about how to raise quality seedlings by sowing seeds on nursery beds/ nursery bags/ seedling tray, grafting and transplanting, etc. Also he used to take care of some environmental conditions and requirements such as viable seeds, favorable temperature, and appropriate level of moisture, fertile and good soil with good water retention capacity. He also studied plant characteristics which must be conducted alongside climatic conditions of the area. Along with this training he also got the training of electric pump fixing and their concerned problems.

One day some of his friends facing issue with motor pump in a nursery. One of the nursery worker was attempting to fix the electrical problem as he wanted to supply water to newly grafts. He observed the circuit connection in that area where he thought the problem was located. He forgot to shut down the main supply so that he did not tested the wire to see if they were live. As soon as the worker holed live wire, he came across electrocuted as a result he collapsed on the floor.

Fortunately Chandan was there and he knew about how to first aid the electrocuted person. First he shut down the power via DOL starter and fuse box. Safely look over the condition of the worker by checking his pulse for the necessity of CPR. He also checked full body to ensure of bleeding, fracture, etc. He handled the situation very well and called the ambulance.

Answer any 02 questions out of the given 03 questions		
Q.19	<p>What procedure worker should have been put in place to prevent this accident?</p> <p>Ans:</p> <ol style="list-style-type: none"> 1. First shut off the power at the DOL starter panel. 	4

	<ol style="list-style-type: none"> 2. Test the wire to see if they are live by using tester. 3. Wear safety hand gloves and safety shoes. 4. Don't touch the wire or equipment with wet hands 	
Q.20	<p>Describe the steps of giving first aid to the electrocuted person.</p> <p>Ans:</p> <ol style="list-style-type: none"> 1. Separate the Person From Current's Source. 2. When you can safely touch the person, do CPR if the person is not breathing or does not have a pulse. 3. Check for Other Injuries 4. Call the ambulance and wait for it. Take Follow Up 	4
Q.21	<p>Which are the requirements and necessary conditions must be met while raising plant nursery?</p> <p>Ans: Viable seeds, favorable temperature, appreciable level of moisture, a fertile and good soil with good water retention capacity and study of plant characteristics must be conducted alongside climatic conditions of the area.</p>	4