

CBSE | DEPARTMENT OF SKILL EDUCATION

MULTI SKILL FOUNDATION COURSE (SUBJECT CODE: 416)

MARKING SCHEME FOR CLASS IX (SESSION 2023-2024)

Max. Time: 3 Hours

Max. Marks: 60

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of **24 questions** in two sections – Section A & Section B.
3. Section A has Objective type questions whereas Section B contains Subjective type questions.
4. **Out of the given (6 + 18 =) 24 questions, a candidate has to answer (6 + 11 =) 17 questions in the allotted (maximum) time of 3 hours.**
5. All questions of a particular section must be attempted in the correct order.
6. **SECTION A - OBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section has 06 questions.
 - ii. There is no negative marking.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.
7. **SECTION B – SUBJECTIVE TYPE QUESTIONS (30 MARKS):**
 - i. This section contains 18 questions.
 - ii. A candidate has to do 11 questions.
 - iii. Do as per the instructions given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A: OBJECTIVE TYPE QUESTIONS

Q. No.	QUESTION	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source materi al	Marks
Q. 1	Answer any 4 out of the given 6 questions on Employability Skills (1 x 4 = 4 marks)				
i.	There are different methods of communication, which include non-verbal, verbal and visual.	CBSE Study Material	Unit 1, Session 1	18	1
ii.	Soil conservation means checking soil erosion and improving soil fertility by adopting various methods.	CBSE Study Material	Unit 5, Session 2	178	1
iii.	The process of developing a business plan, launching and running a business using innovation to meet customer needs and to make a profit is entrepreneurship	CBSE Study Material	Unit 4, Session 1	149	1
iv.	Strengths are what we do well and are good at.	CBSE Study Material	Unit 2, Session 2	73	1
v.	Self-confidence is a sense of trusting one's abilities and self.	CBSE Study Material	Unit 2, Session 3	69	1
vi.	ICT stands for Information and Communication Technology.	CBSE Study Material	Unit 3	96	1
Q. 2	Answer any 5 out of the given 7 questions (1 x 5 = 5 marks)				
i.	A wire made by inserting two or three different wires in a strong insulation is called a 'Cable'.	CBSE Study Material	Unit 2, Session 2	69	1

ii.	The tool used to cut wood is called / known as 'Saw'.	CBSE Study Material	unit 1, Session 3	16	1
iii.	Biodegradable	CBSE Study Material	Unit 2, Session 15	125	1
iv.	Cooking Food means applying heat to the food item to make it palatable and bring about acceptable changes in it.	CBSE Study Material	Unit 4, Session 3	249	1
v.	Drilling is to perform a hole across a surface in a solid job using drill.	CBSE Study Material	Unit 1 Session 5	35	1
vi.	Sickle	CBSE Study Material	Unit 3, Session 1	134	1
vii.	Biofertilizer	CBSE Study Material	Unit 3, Session 3	152	1
Q. 3	Answer any 6 out of the given 7 questions (1 x 6 = 6 marks)				
i.	Poly Vinyl Chloride	CBSE Study Material	Unit 2, Session 2	73	1
ii.	1000 watt	CBSE Study Material	Unit 2, Session 13	115	1
iii.	Carbon steel	CBSE Study Material	Unit 1 session 1	2	1
iv.	To avoid the food from getting spoilt due to microorganisms, the process of stopping their growth and removing them from the food is known as Food Preservation.	CBSE Study Material	Unit 4, Session 4	259	1
v.	Scriber is a hand tool used to mark lines on the metal surface.	CBSE Study Material	Unit 1 Session 2	13	1
vi.	1. Stretcher Bond 2. Header Bond 3. Flemish Bond 4. English bond (Note: Any two points can be considered)	CBSE Study Material	Unit 1, Session 7	52	1
vii.	Water	CBSE Study Material	Unit 1, Session 8	54	1
Q. 4	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	Always connect the fuse in series with the load.	CBSE Study Material	Unit 2, Session 7	92	1
ii.	Compact Fluorescent Lamps	CBSE Study Material	Unit 2, Session 12	111	1
iii.	Protection of crops from pests is called 'pest control'.	CBSE Study Material	Unit 3, session 5	169	1
iv.	Fixing the sale price of the manufactured product is known as Costing.	CBSE Study Material	Unit 4, Session 5	265	1
v.	Turmeric is used as an antiseptic.	CBSE Study Material	Unit 4, Session 2	247	1
vi.	The process of creating threads on the outer / inner side of a pipe is called Threading	CBSE Study Material	Unit -1, Session 5	37	1
Q. 5	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	2.5 to 3%	CBSE Study Material	Unit 3, session 4	158	1
ii.	Voltage	CBSE Study Material	Unit 2, Session 4	81	1
iii.	Azadirachtin	CBSE Study Material	Unit 3, Session 5	171	1
iv.	Back	CBSE Study Material	Unit 3,	224	1

			Session 10		
v.	Mixing sub-standard item in a quality item, mixing a different item which is similar in appearance to the original one, putting up wrong labels, selling rotten items, mixing poisonous material is known as Food Adulteration.	CBSE Study Material	Unit 4, Session 7	277	1
vi.	Water is the medium used in the boiling technique of cooking food.	CBSE Study Material	Unit 4, Session 3	251	1
Q. 6	Answer any 5 out of the given 6 questions (1 x 5 = 5 marks)				
i.	Miniature Circuit Breaker	CBSE Study Material	Unit 2, Session 8	94	1
ii.	$N + 2$ (N = rings on horn)	CBSE Study Material	Unit 3, Session 6	184	1
iii.	Total Digestible Nutrients	CBSE Study Material	Unit 3, Session 7	188	1
iv.	Black pepper is the most widely used spice in the world.	CBSE Study Material	Unit 4, Session 2	246	1
v.	A magnetron pipe is fitted in microwave ovens.	CBSE Study Material	Unit 4, Session 3	255	1
vi.	The alloy formed by mixing lead and tin is known as 'Solder material'	CBSE Study Material	Unit 1, Session 4	30	1

The alloy formed by mixing lead and tin is known as 'Solder' ?

SECTION B: SUBJECTIVE TYPE QUESTIONS

Q. No.	QUESTION	Source Material (NCERT/PSSCIVE/ CBSE Study Material)	Unit/ Chap. No.	Page no. of source material	Marks
Answer any 3 out of the given 5 questions on Employability Skills in 20 – 30 words each (2 x 3 = 6 marks)					
Q. 7	Use - We use an exclamation mark at the end of a word or a sentence to indicate a strong feeling, such as surprise, shock or anger. Ex - 1. What a pleasant surprise! 2. You are late!	CBSE Study Material	Unit 1, Session 4	19	2
Q. 8	Ability to take up risks. Believe in hard work and discipline. Adaptable and flexible to achieve the goals of enhancing quality and customer satisfaction. Knowledge of the product and services and their need or demand in the market. Financial literacy and money management skills. Effective planning and execution. (Note: Any two points can be considered for evaluation)	CBSE Study Material	Unit 4, Session 4	148, 149	2
Q. 9	Organic farming Watershed management Rain water harvesting (Note: Any two points should be considered for evaluation)	CBSE Study Material	Unit 5, Session 3	190	2

Q. 10	<p>Factors that decrease self confidence are-</p> <p>When we think we cannot do a particular work.</p> <p>When we keep thinking of our past mistakes and feel bad about it, instead of learning from them.</p> <p>When we expect to be successful at the first attempt itself and do not try again.</p> <p>When we are surrounded by people who have a negative attitude, which is reflected in their speech.</p> <p>(Note: Any two points should be considered for evaluation)</p>	CBSE Study Material	Unit 2, Session 3	68	2
Q. 11	<p>An input device is used to enter information into the computer.</p> <p>Examples of input devices-</p> <p>Key board</p> <p>Microphone</p> <p>Web Camera</p> <p>Scanner</p> <p>(Note 1: Any two examples should be consider for evaluation)</p> <p>(Note 2: One mark for the definition and one mark for the examples should be consider for the evaluation)</p>	CBSE Study Material	Unit 3, Session 4	96	2
Answer any 3 out of the given 5 questions in 20 – 30 words each (2 x 3 = 6 marks)					
Q. 12	<p>Soil, organic matter, air, water</p>	CBSE Study Material	Unit 3, Session 2	141	2
Q. 13	<p>One way switch</p> <p>Two way switch</p>	CBSE Study Material	Unit 2, Session 5	85	2
Q. 14	<p>Advantages of Costing –</p> <p>1) Production cost, other cost and profit/loss can be determined.</p> <p>2) High cost items or processes can be replaced by more economical ones and the profit margin can be increased or loss can be decreased.</p> <p>3) Unnecessary expenses can be determined and curtailed.</p> <p>4) Loans can be returned regularly.</p> <p>5) Raw material can be selected as per our budget and requirement.</p> <p>(Note: Any two points should be considered for evaluation)</p>	CBSE Study Material	Unit 4, Session 5	265	2
Q. 15	<p>Advantages of Market Survey –</p> <p>1) The demand for the product to be manufactured can be determined. E.g. If phenyl or jelly is to be manufactured, it is required in urban market rather than in rural markets.</p> <p>2) We get to know other manufacturers of the same item or we come to know which Other items similar to ours are available in the market. Also, it can be determined if there is anyone having monopoly in the</p>	CBSE Study Material	Unit 4, Session 5	265	2

	<p>market. The profit percentage and pricing can be decided accordingly.</p> <p>3) We can determine our target consumers and their spending ability. This has a direct effect on the pricing of the item. E.g. Tomato sauce is purchased by urban middle-class people and not by the lower economic class or the rural class. So, cost can be high and profit generated is also high.</p> <p>4) Daily manufacturing proportion can be determined. The daily or monthly sale can be known.</p> <p>(Note: Any two points should be considered for evaluation)</p>				
Q. 16	<p>Lap Joints – By creating slit in the timber and fixing them in each other, lap joints are created.</p> <ol style="list-style-type: none"> 1.Simple Lap Joints 2.Corner Lap Joints 3.Cross Lap Joints 4.Half Lap Joints 5.Tenon & Mortise Joints 	CBSE Study Material	Unit 1, Session 3	21,22	2
Answer any 2 out of the given 3 questions in 30– 50 words each (3 x 2 = 6 marks)					
Q. 17	<p>Fertilizers – Plants take up some nutrients from soil, air and water for their growth, these are called as fertilizers.</p> <ol style="list-style-type: none"> A) Organic fertilizers B) Bio fertilizers C) Chemical fertilizers 	CBSE Study Material	Unit 3, session 4	160	3
Q. 18	<p>Curing and Drying – Cement powder becomes hard due to its reaction with water. If there isn't enough water for this process where cement is used, this process of hardening doesn't attain its desired completion level and there is no hardening of cement. So, for the first 28 days, cement should always be kept wet and this is called 'Curing'. At the same time, if there is too much water with cement, then take the precaution to maintain the moisture content of the cement construction.</p> <p>Cement consumes water for the hardening process, but it gets dry due to outside air. So, it is necessary to supply enough water.</p>	CBSE Study Material	Unit 1 session 7	49	3
Q. 19	<ol style="list-style-type: none"> 1. Spade 2. Shovel 3. Head Pan 4. Bucket 5. Plier 6. Spanner 	CBSE Study Material	Unit 2, Session 6	87	3

Answer any 3 out of the given 5 questions in 50– 80 words each (4 x 3 = 12 marks)

<p>Q. 20</p>	<ol style="list-style-type: none"> 1. The infestation of soil borne and seed borne diseases can be avoided. 2. The germination power of the seeds increases. 3. The growth of saplings is healthy and vigorous. 4. The yield of crops increases. 5. The disease resistance power of plants or crops increases. 6. The cost for the seed treatment is reduced. <p>(Note: Any four points can be considered for evaluation)</p>	<p>CBSE Study Material</p>	<p>Unit 3, Session 3</p>	<p>151</p>	<p>4</p>
<p>Q. 21</p>	<ol style="list-style-type: none"> 1. An energy efficient light. 2. Durable, long lasting – can be productive up to 50000 hours. LED is also known as ‘Solid State Lighting (SSL)’. During the making of LED light, solid material is used instead of any type of filament or tube. Hence, there is less probability of damage in LED bulb as compared to other types of bulb. 3. In LED light, there is no warm up period. 4. No effect of cold temperature on LED light. LED light becomes operational even below 0°C instantly. 5. LED light is directional. Hence, it is useful to shed light in a specific direction. Therefore, there is no wastage in this light. 6. There isn’t any hazardous material like mercury used in LED. Hence, it is eco-friendly. 7. Colour and brightness of LED light can be controlled. <p>(Note: Any four points should be considered for evaluation)</p>	<p>CBSE Study Material</p>	<p>Unit 2, Session 12</p>	<p>109, 110</p>	<p>4</p>
<p>Q. 22</p>	<p>Purpose of Food Preservation –</p> <ol style="list-style-type: none"> 1) Fruits and Vegetables can be enjoyed throughout the year. 2) Use of food preservation techniques will help in avoiding the spoilage of food 3) The fruits and vegetables available during the seasons are available in plenty and are cheap. Preservation techniques will help in saving money. 4) This process results in decreasing the weight of the item, hence its transportation becomes easier 5) These food items are useful during times of natural disaster like earthquakes, floods, war, etc. 6) These food items are beneficial to 	<p>CBSE Study Material</p>	<p>Unit 4, Session 4</p>	<p>259</p>	<p>4</p>

	<p>trekkers because they have to carry weights while trekking. It requires time.</p> <p>7) On getting basic information about the same, a small business can be started</p> <p>(Note: Any four points should be considered for evaluation)</p>				
Q. 23	<p>Safety Rules for welding –</p> <ol style="list-style-type: none"> 1) Always use a hand screen and goggles during welding. 2) Always use grinding goggles during chipping. 3) Do not bend the welding rod once it is attached to the holder. 4) Do not connect the earthing and holder to each other while the machine is operational. 5) Do not change (amount of) current while the machine is operational. 6) Initially, perform strike welding and later on, perform run welding. <p>(Note: Any four points can be considered for evaluation)</p>	CBSE Study Material	Unit 1 Session 6	42,43	4
Q. 24	<p>Important joints of pipes and their application in plumbing:</p> <ol style="list-style-type: none"> 1. T Joint for two pipe lines from the main pipe line. 2. Elbow Joint- To turn pipeline at 90 Degree 3. Long sweep elbow- To turn the pipeline with a longer bend. 4. Plain union joints-To join two pipelines. 5. Threaded union- To join pvc pipe line ,GI Pipeline. 6. Compiling joints-To join one stable pipe line to another unstable pipeline. 7. Multi way Joiner- To draw 3, 4 Pipe lines from various angles from the main pipe line. 8. End cap - To stop water flow completely. 9. Reducer- To join a small pipeline to a big pipeline. <p>(Note: Any four points can be considered for evaluation)</p>	CBSE Study Material	Unit 1 Session 8	56	4