

# CBSE DEPARTMENT OF SKILL EDUCATION

## MULTI SKILL FOUNDATION COURSE (SUBJECT CODE 416)

### CLASS X (SESSION 2021-2022) BLUE PRINT FOR SAMPLE QUESTION PAPER FOR TERM -1

Max. Time Allowed: 1 Hours

Max. Marks: 25

#### PART A - EMPLOYABILITY SKILLS (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS (1 MARK EACH)
1	Communication Skills-II	2
2	Self-Management Skills-II	2
3	Information and Communication Technology Skills-II	2
TOTAL QUESTIONS		6 Questions
NO. OF QUESTIONS TO BE ANSWERED		Any 5 Questions
TOTAL MARKS		1 x 5 = 5 Marks

#### PART B - SUBJECT SPECIFIC SKILLS (20 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS (1 MARK EACH)
1	Workshop Engineering Techniques	15
2	Energy & Environment (Session 1 to session 3 & Session 5 – Total 4 session)	12
TOTAL QUESTIONS		27 Questions
NO. OF QUESTIONS TO BE ANSWERED		20 Questions
TOTAL MARKS		1 x 20 = 20 MARKS

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### CLASS X (SESSION 2021-2022) SAMPLE QUESTION PAPER FOR TERM -1

Max. Time Allowed: 1 Hours

Max. Marks: 25

#### 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.
4. Section B is of 15 marks and has 20 questions on Subject specific Skills.
5. Section C is of 05 marks and has 07 competency-based questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.
8. All questions must be attempted in the correct order

#### SECTION A

Answer any 5 questions out of the given 6 questions on Employability Skills

(1 x 5 = 5 marks)

1.	Which of the following is NOT an element of communication within the communication process cycle? (a) Channel (b) Receiver (c) Sender (d) Time	1
2.	_____ is an example of verbal communication (a) E-mail (b) Letter (c) Phone call (d) News letter	1
3.	In SMART goals, what does 'S' stand for? (a) Scientific (b) Sincere (c) Specific (d) Simple	1

4.	_____ Can be defined as our emotional, mental, physical and social reaction to any perceived demands or threats. (a) Motivation (b) Stress (c) Inspiration (d) Feedback	1
5.	Which one of the following shortcut keys is used to paste a file? (a) Ctrl + c (b) Ctrl + p (c) Ctrl + v (d) Ctrl + x	1
6.	A strong password consists of _____, numbers and special characters. (a) Letters (b) Name (c) Birth date (d) Mobile number	1

### SECTION B

**Answer any 15 questions out of the given 20 questions**

**(1 x 15 = 15 marks)**

7.	Least count of Vernier caliper is _____ (a) 0.002 mm (b) 0.2 mm (c) 0.02 mm (d) 20 mm	1
8.	_____ is used to draw horizontal lines parallel to the length of the drawing board. (a) Compass (b) Protractor (c) T-Square (d) Compass box	1
9.	Lock nuts are installed to lock the spindle of the _____ (a) Micrometer (b) Welding rod (c) Compass box (d) Mini drafter	1
10.	What are the different Drawing Paper sizes? (a) 1,2,3,4 (b) 1-A,1-2 (c) A0,A1,A2,A3,A4 (d) A1,A11,A111,A1111	1
11.	Name major two types of welding. (a) Arc & Gas (b) Gas & Oxygen (c) MIG & Oxygen (d) Spirit & Arc	1

12.	Name the first method of "5 S" in Workshop. (a) Seiton - Tidiness (b) Seiri –Sort (c) Seiketsu - Standardization (d) Seiso- Hygiene	1
13.	_____ provides final finishing to construction. (a) Painting (b) Scrubbing (c) Plastering (d) Varnishing	1
14.	Threading Die is used for _____ on the cylindrical part of iron rods. (a) Threading (b) Tapping (c) Drilling (d) Reaming	1
15.	Defects like cracks, incomplete penetration weld cavity; etc. can be identified by _____. (a) Stethoscope Test (b) Ammonia per sulphate Test (c) X – Ray Test (d) Scanning	1
16.	Top view and front view drawn in _____ projection method. (a) Isometrics (b) Orthographic (c) Circular (d) Hidden line	1
17.	Isometric view is a _____ dimensional view and it looks realistic. (a) One (b) Six (c) Nine (d) Three	1
18.	Tap is a _____ tool used to make threads in the inner part of a job. (a) Cutting (b) Measuring (c) Drafting (d) Marking	1
19.	Which objects conduct electricity only in certain situations or mediums? (a) Semiconductor (b) Conductor (c) Insulator (d) Metal	1
20.	Which device is used to convert the DC voltage from the battery into AC voltage? (a) Rectifier (b) Transformer (c) Inverter (d) Motor	1
21.	The distance by which the piston moves in an up-down or upward downward direction inside the cylinder is called the _____ of the pump. (a) Stroke (b) Torque (c) Centrifugal force (d) Rotation	1

22.	What is the SI unit of energy? (a) Watt (b) Joules (c) Volt (d) Ampere	1
23.	Which motor works on both AC and DC supply? (a) Induction motor (b) Linear motor (c) Universal motor (d) Three phase induction motor	1
24.	Which device is used to store electric energy temporarily? (a) Capacitor (b) Transistor (c) Resistor (d) Thermistor	1
25.	_____ are used to trap the solar energy received and convert it into a usable form of energy like electricity. (a) Solar Panels (b) Magnetic strips (c) Metals panels (d) Carbon Fiber strips	1
26.	Biogas has 55-70%_____, 30-40% _____ and traces of hydrogen sulphide. (a) oxygen, nitrogen (b) carbon, methane (c) methane, oxygen (d) methane, nitrogen	1

**SECTION C  
(COMPETENCY BASED QUESTIONS)**

**Answer any 5 questions out of the given 7 questions**

**(1 x 5 = 5 marks)**

"Students were playing on the playground because they wanted to do extra practice for inter-school competitions. One solar lamp was present on the playground, but it wasn't in working condition. As per the student's request, the principal called the electrician to repair a lamp. He followed safety norms while repairing the lamp, replacing the faulty neutral wire from the circuit. He suggested that the lamp pole must be repaired as it was rusted and cracked because the lamp is on an open field. He proposed to call the welder. From his suggestions, the teacher called the welder to repair the lamp pole. He started repairing it using a welding machine. But the spark of the welding process bothered his eyes. The welder's eyes became red and teary, but he kept doing the task and repaired the lamp pole on the ground."

27.	What can we do to prevent the lamp pole from rusting? (a) Plastering (b) Painting (c) Welding (d) Drilling	1
28.	Which cell is used to convert solar energy directly into electrical energy? (a) Dry cell (b) Photovoltaic cell (c) Battery (d) Magnet	1

29.	<p>Write the use of welding machines?</p> <ul style="list-style-type: none"> <li>a) Welding machine is used for drilling and threading, polishing.</li> <li>b) Welding machine is used for polishing and drilling operations.</li> <li>c) Welding machine is used for welding operations.</li> <li>d) Welding machines are used for polishing and welding.</li> </ul>	1
30.	<p>Why was the lamp not glowing, even though Phase wire was connected; only the neutral wire was faulty?</p> <ul style="list-style-type: none"> <li>(a) Need to complete the circuit</li> <li>(b) It requires earthing</li> <li>(c) Fluctuation in voltage</li> <li>(d) Fluctuation in current</li> </ul>	1
31.	<p>What would be the reason for turning out the welder's eyes red and teary?</p> <ul style="list-style-type: none"> <li>a) He didn't wear the safety goggles.</li> <li>b) He was staring at job.</li> <li>c) He may not sleep.</li> <li>d) He is too happy</li> </ul>	1
32.	<p>Suggest safety equipment for a welder to safely conduct operations?</p> <ul style="list-style-type: none"> <li>(a) Safety apron, Welding machine, Helmet</li> <li>(b) Welding machine, Hand screen, Shoes</li> <li>(c) Helmet, Hand screen, Welding rod</li> <li>(d) Safety apron, Safety goggle, Hand screen</li> </ul>	1
33.	<p>What is the type of solar energy?</p> <ul style="list-style-type: none"> <li>(a) Non-renewable</li> <li>(b) Renewable</li> <li>(c) Nuclear</li> <li>(d) Fossil fuel</li> </ul>	1