Question Booklet No.

000312

## Skill Development and Entrepreneurship Department Directorate of Vocational Education and Training Directorate of Skill Development, Employment and Entrepreneurship Question Paper Group Name: Mechanical-10

Question Paper Post Names: Craft Instructor-Sheet Metal Worker

**Duration: 60 Minutes Total Questions: 40** 

_	INSTRUCTIONS					<del></del>			
1.	This Question Paper Booklet contents 40 mandatory questions. Candidate show ensure that it contents all pages and questions before starting to answer. If caprinting/ binding/ incomplete pages etc, candidate should immediately get Invigilator.	andid	late f	inds a	ny pr	oblen	n per	tainin	g to
2.	Candidate has to write his/ her seat number in this block.								
3.	The Question Booklet Number as printed above should be mentioned at the appropriate place on the OMR Answer Sheet.	<del></del>	<u> </u>		[j		L		
4.	All the Questions are provided with 4 options as 1, 2, 3 and 4. Candidate she mention the Option Number on the OMR Answer Sheet in front of the respective Option Number with <u>BLACK INK BALL POINT PEN</u> Only.								
5.	All Questions carry equal marks i.e. 1 Question has a weightage of 1 marks. Candidate should mind the available time for the examination and solve the questions accordingly.				e foi				
6.	The option shaded once on the OMR Answer Sheet should not be roughed or in any other way changed. Thus candidate should take utmost care while marking their options on OMR Answer Sheet. Such changes if any or any attempt to rough/ change options shall not be checked by the authorities.								
7.	Marks shall be awarded to the correct answers only during the evaluation of th	ne Of	MR A	nswei	Shee	t. No	mark	s sha	II be

- deducted for registering wrong answers (shading wrong option) or not attempting questions. Thus there is NO **NEGATIVE MARKING SYSTEM.**
- 8. All the rough work has to be done on the sheet provided for Rough Work in the Question Booklet only. Writing anything on the Question Paper Booklet, OMR Answer Sheet or any other Paper Sheet shall be treated as an unfair means and entitle for action under "Prohibition of Unfair Practices during examination Ordinance - 1982".
- 9. Method of Shading the Correct Option on the OMR Answer Sheet:

1000

Q.No. 25. How many Centimeters make 1 Meter?

10 (1)

100 (2)

(3)

10000 (4)

The Correct Option for this Question is (1) and hence the (2) option on the OMR Answer Sheet in front of Question Number 25 has to be shaded as following

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Correct Method of Shading

Wrong Method of Shading

USE ONLY BLACK INK BALL POINT PEN FOR SHADING

## **IMPORTANT**

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THIS QUESTION PAPER BOOKLET AND PART - 1 OF OMR ANSWER SHEET HAVE TO BE SUBMITTED TO THE **INVIGILATOR AFTER THE EXAMINATION.** 

1. 1116	Standard length of hacksaw blade is	
	1. 200 mm and 250 mm	2. 250 mm and 300 mm
	3. 310 mm and 350 mm	4. None of above
2. Dot	punch are used for	
	1. Punching operation	2. To make indentation marks
	3. both 1 and 2	4. None of above
3. The	external angle of an octagon is	
	1. 30°	2. 50°
	3. 45°	4. 60°
4. Deve	elopment of cone is done by	
	1. Parallel line method	2. Radial line method
	3. Both 1 and 2	4. None of above
5. The	spring back in sheet metal works depend	ls on
	1. Material of sheet	2. Thickness
	3. Bending pressure	4. All of above
6. The	angle of wire notch is usually	
	1. 15°	2. 20°
	3. 30°	4. None of above
7. The	allowance is necessary for	
	1. Maintaining correct size	2. Improve strength
	3. To avoid cracking	4. All of above

	1. Equal	2. More		
	3. Less	4. Zero		
9. Tallo	w is			
	1. Soldering finx	2. Animal fat		
	3. Both 1 and 2	4. None of above		
10. For	soldering brass, copper and jewellery ty	pe of solder used are		
	1. Common solder	2. Fine solder		
	3. Coarse solder	4. Extra fine solder		
11. The	spleter used in brazing compared to sol	ldering is		
	1. Soft	2. Hard		
	3. Equal strength	4. None of above		
12. A m	naroon colour in welding setup indicates			
	1. Air	2. Water		
	3. Oxygen	4. Acetylene gas		
13. For	welding brass type of flame used is			
	1. Neutral	2. Carburising		
	3. Oxidising	4. All of above		
14. Cleaning work piece in welding is required for avoiding work to become				
	1. Porous	2. Brittle		
	3. Weak	4. All of above		

8. As compared to cold riveting, in hot riveting hole clearance will be

15. Th	e strongest joint is	
	1. Bolted joint	2. Rivitted joint
	3. Soldered joint	4. Welded joint
16. Jig	s and fixtures are used for	
	1. Interchangeability	2.Skill reduction
	3. Increase productivity	4. All above
17. Fo	r under watered gas cutting of steel fuel	gas used is
	1. Oxygen	2. Coal gas
	3. LPG	4. Hydrogen
18. Ro	tary shears are used to cut sheet metal a	long
	1. Straight line	2. Circle
	3. Curved line	4. All above
19. Ty <sub>l</sub>	oe of joint used in toys is	
	1. Screwed joint	2. Stake joint
	3. Welded joint	4. None of above
20. The	e fly press is also known as	
	1. Hand press	2. Ball press
	3. Automobile press	4. All above
21. Mu	ulti start threads are provided on screw o	f fly press for
	1. Slow motion of ram	2. Quick motion of ram
	3. To increase life of ram	4. None of above

22. In power press, capacity of press is	
1. Maximum pressure exerted by mach	ine 2. Maximum force exerted by machine
3. Both 1 and 2	4. None of above
23. Press brakes are designed to bend to a rate	d capacity depends on die ratio
1. 1:1	2. 5:1
3. 1:10	4. 8:1
24. In press work material removed is job in	
1. Punching	2. Piercing
3. Blanking	4. Bending
25. In automotive body cleaning, type of abrasi	ves used are
1. Aluminum oxide	2. Silicon carbide
3. Emery garment	4. All above
26. Radiator is	
1. Cooling device	2. Heating device
3. Increases power	4. None of above
27. Which is not a type of muffler?	
1. Baffle type	2. Cooler type
3. Resonance type	4. Absorber type
28. Stainless steel has great resistance to	
1. Power	2. Corrosion

4. All of above

3. Welding

29. Bra	ss is alloy of	
	1. Aluminum	2. Nickel
	3. Copper	4. None of above
30. Alu	minum gives better resistance to atmosp	ohere due to
	1. White colour	2. Light weight
	3. Formation of protective oxide film	4. None of above
31. Pla:	sma sheet metal cutting machine uses fo	ollowing type of tool
	1. HSS	2. Carbide
	3. Single point	4. None of above
22 Tha	s classages between die and nunch is no	rmally overessed in
52. THE	e clearance between die and punch is no	
	1. Percentage of length	2. Percentage of thickness of material
	3. Percentage of diameter of punch	4. None of above
33. Wh	ich one is not welding defect	
	1. Undercut	2. Overcut
	3. Overlap	4. Blowhole
34. The	e causes of defect 'crack' in welding is	
	1. Local stress	2. Fast cooling
	3. Poor ductility	4. All above
	3. 1 doi adeanty	T. All UDOFC
35. In T	TIG welding electrodes used are	
	1. Pure tungsten	2. Tungsten with 1-2 % of thorium oxide
	3 Tungsten with 0.3 - 0.5% Zirconium	4 All above

36. Which one is not a pipe joint?				
1. Hook's joint	2. 'L' joint			
3. Y - joint	4. Flange joint			
37. Polarity in Arc welding indicates				
1. Current	2. Voltage			
3. Direction of current flow	4. All above			
38. The abrasive compound for buffing are				
1. Tripoli	2. Pumice			
3. 1 and 2	4. None of above			
39. The elements of costing in sheet metal is				
1. Material cost	2. Manufacturing cost			
3. Profit	4. All above			
40. Standard wire gauge is used for				
1. Checking thickness of sheet	2. Diameter of wire			
3. 1 and 2	4. None of above			

## SPACE FOR ROUGH WORK