Question Booklet No.

006721

Skill Development and Entrepreneurship Department Directorate of Vocational Education and Training Directorate of Skill Development, Employment and Entrepreneurship Question Paper Group Name: Mechanical-5

Question Paper Post Names: Craft Instructor-Mechanic Motor Vehicle, Craft Instructor-Mechanic Tractor,
Craft Instructor-Mechanic Agricultural Machinery

Duration: 60 Minutes			Total Question: 40	
	INSTRUCTIONS			
1.	This Question Paper Booklet contents 40 mandatory question Booklet and ensure that it contents all pages and questions be problem pertaining to printing/ binding/ incomplete pages etc, Paper replaced from the Invigilator.	efore	e starting to answer. If candidate finds any	
2.	in the second se			
3.	. The Question Booklet Number as printed above should mentioned at the appropriate place on the OMR Answer Sheet.	be		

- 4. All the Questions are provided with 4 options as 1, 2, 3 and 4. Candidate should select the most correct Option and mention the Option Number on the OMR Answer Sheet in front of the respective Question Number by fully shading the 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.
- 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.
- Marks shall be awarded to the correct answers only during the evaluation of the OMR Answer Sheet. No marks shall be deducted for registering wrong answers (shading wrong option) or not attempting questions. Thus there is <u>NO NEGATIVE MARKING SYSTEM</u>.
- 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:

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

(1) 10

(2) 100

(3) 1000

(4) 10000

The Correct Option for this Question is (2) 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

This Question Paper Booklet and OMR Answer Sheet is the property of the Department and is being handed over to the candidate for examination purpose only in the examination hall.

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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.



i are used to	cut sheet metal up to 1.2 mm t	incritess.	
1. Mallets		2. Snips	
3. Scratch awl	& criber	4. Steel square	
2. The portion betwee	n the point & shank is called	of drill.	
1. Flutes		2. Body	
3. Tang		4. Point	
3. Which of the follow	ing tap is used to finish the thre	ads of a blind hole to correct depth.	
1. Taper tap		2. Bottoming tap	
3. Tap wrench	es	4. Double ended adjustable tap wrench	
4. The principle part of	f a arc frame, anvil, spine	dle & the thread.	
1. Vernier cali	oar	2. Metric micrometer	
3. Circle cuttin	g machine	4. Bossing mallet	
5. Which file have dee	per cutting action & are useful f	or filling soft materials?	
1. Single cut fi	le	2. Double cut file	
3. Curved cut f	file	4. Rasp cut file	
6 washer do	washer do not have chamfers & commonly used in structural fabrication work.		
1. Spring wash	er	2. Tab washer	
3. Toothed loc	k washer	4. Punched washer	
7. The wheel assemble	y consist of		
1. Only hub		2. Only tyre	
3. Hub, rim, ty	re & tube	4. None of this	

8. The main function of the front wheel.	is to convert the rotary motion of the steering wheel into regular motion of			
1. Suspension system		2. Breaking system		
3. Steering system		4. Electrical system		
9. Which of the following is a type of suspension?				
1. Wish bone type		2. Torsion type		
3. Mc. pherson strut t	:ype	4. All of these		
10. The main function of the is to support all the units of vehicle & to take on the load of goods, passengers etc.				
1. Chassis frame		2. Car body		
3. Engine		4. Differential		
11. The function of master cylinder is to				
1. Store the air		2. Pressurize t & supply air		
3. Pressurize & supply	, oil	4. Regulate oil pressure		
12. The main function of pump is to				
1. Pressurize the oil		2. Pressurize the air		
3. Control the pressur	re	4. Regulate the pressure		
13. Which valve is used to con	ntrol the speed of actuator	?		
1. Direction control v	alve	2. Pressure control valve		
3. F.R.L.		4. Flow control valve		
14. In cooling system no pump is used for water circulation.				
1. Thermo-siphon sys	tem	2. Pump circulation system		
3. Forced feed system	1	4. None of these		

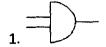
15. A _	has paste or gel electroly	rte.	
	1. Wet cell	2. Dr	y cell
	3. Hydrometer	4. All	of these
16. The	e main function of a lubricator is	to	
	1. Minimize the friction betwee	n two moving parts	2. Absorb the heat from the moving parts
	3. Minimize wear & tear		4. All of these
17. Fou	ur types of cylinder heads are use	d in automobile engir	ne are
	1. 'L' head, 'l' head, 'F' head, 'T'	head 2. 'L'	head, 'C' head, 'F' head, 'T' head
	3. 'L' head, 'l' head, 'G' head, 'T'	head 4. 'L'	head, 'I' head, 'F' head, 'N' head
18. ln a	spark ignition engineis	s used as fuel.	
	1. Diesel	2. Pe	trol
	3. Bio diesel	4. No	one of these
19. The	e is used to connect & disc	onnect transmission c	of power from engine flywheel to the gear
	1. Clutch	2. Di	fferential
	3. Steering system	4. St	eering wheel
20. Fro	ont wheel alignment depends upo	on	
	1. Camber & castor	2. King pin indination	
	3. Toe in & toe out	4. Castor, camber, ki	ng pin indination, Toe in & Toe out
21. In t		lamped together & fla	inge of discs provide seating surface for the
	1. Disc wheel	2. W	ire wheel
	3. Split wheel	4. He	eavy duty wheel

22. The minimum distance between rivets should be _	times the diameter of the rivet.
1. One time	2. Two times
3. Three times	4. Four times
23. Which is the correct symbol for the FRL?	
1.	2.
3.	4.
24. In the steel part is heated to the required har salt bath usually at 300°C to 350°C.	dening temperature & then quenched in molten
1. Mar tempering	2. Austempering
3. Hardening	4. Carburising
25. The process of hardening steel by heating it wi	th flame of an oxyacetylene torch is known as
1. Flame hardening	2. Tempering
3. Annealing	4. Homogenising
26. The connection is called a series connection in lamps.	which the same flows in the two
1. Current	2. Voltage
3. Resistance	4. Voltmeter
27. The connection is called parallel connection in across all lamps.	which the same source is applied
1. Current	2. Voltage
3. Ampere	4. Resistance

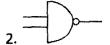
1. $\frac{v}{l}$ = constant R	2. $\frac{v}{i}$ = P constant	
3. $\frac{v}{p}$ = constant R	4. $\frac{I}{v}$ = constant R	
29. A is an electrical device constructed o insuling material.	f two conductive plates separated by an	
1. Rheostat	2. Capacitor	
3. Voltage	4. Electrode	
30. It is a process in which the punch removes a p	portion of material from strip.	
1. Blanking	2. Riveting	
3. Soldering	4. Brazing	
31 is the process of making cups, sheets	etc.	
1. Blanking	2. Drawing	
3. Riveting	4. Brazing	
32. In welding hydrogen combines with o	xygen to generate steam & attains flame.	
1. TIG	2. M I G	
3. Oxy hydrogen	4. Oxy acetylene	
33 is the difference between the actual size & the minimum limit of size.		
1. Actual deviation	2. Fits	
3. Tolerance	4. Limits	
34 always provides clearance.		
1. Maximum clearance	2. Clearance fit	
3. Minimum clearance	4. Interference fit	

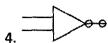
28. Ohm's law states that _____

35. Which of the following symbol represents AND gate?









- 36. In two wheeler following type of ignition system is used.
 - 1. Battery coil ignition

2. Compression ignition

3. None of these

- 4. Magneto ignition
- 37. In two wheeler following type of clutch is used
 - 1. Multi plate clutch

2. Single plate clutch

3. Centrifugla clutch

- 4. Cone clutch
- 38. Common rail fuel injection sys is used in
 - 1. Diesel engine

2. Petrol engine

3. Two wheeler engine

- 4. Single piston engine
- 39. Ultrasonic testing is used for detection of _____.
 - 1. Thickness of parts

2. Conductivity of material

3. Cracks in metal body

- 4. Strength of material
- 40. For alignment of com shaft journal this instrument is used
 - 1. Voltmeter

2. Dial indicator

3. Pressure gauge

4. Micrometer

SPACE FOR ROUGH WORK

