



DIPLOMA IN AUTOMOBILE ENGINEERING

CENTRALIZED QUESTION BANK

1021234340- MANUFACTURING TECHNOLOGY II

DIRECTORATE OF TECHNICAL

EDUCATION GOVERNMENT OF

TAMILNADU

DIPLOMA END SEMESTER / YEAR EXAMINATION – 2025

Course: Automobile Engineering

Subject : Manufacturing Technology II

QP Code : 1021234340

Time : 3 Hours

Date :

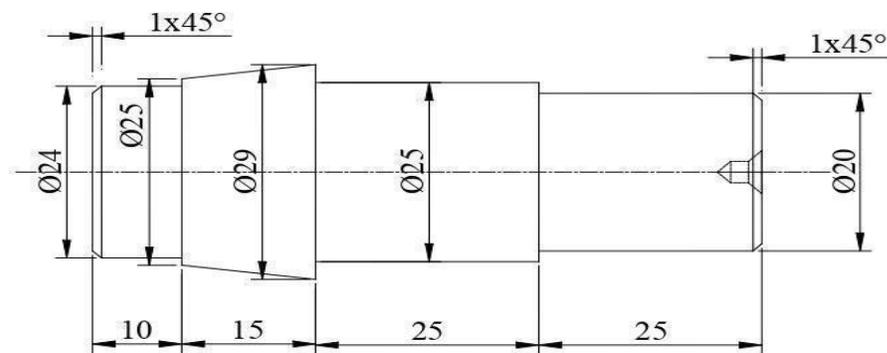
Session:

Max Marks:100

Note: Select any one exercise by lot or question paper supplied by the DOTE Exam section shall be used.

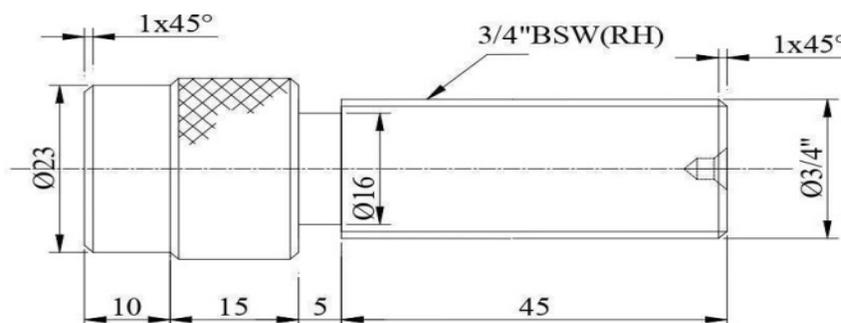
Answer the following Questions

1. Perform Arc welding to make a Butt Joint with the given Mild Steel.
2. Perform Gas welding to make a Lap Joint with the given sheet.
3. Make the model as per the given sketch by Step turning and Taper turning operations in a Lathe.

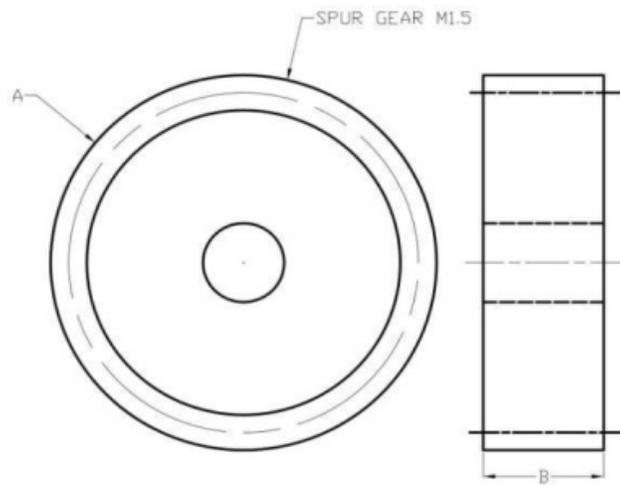


4.

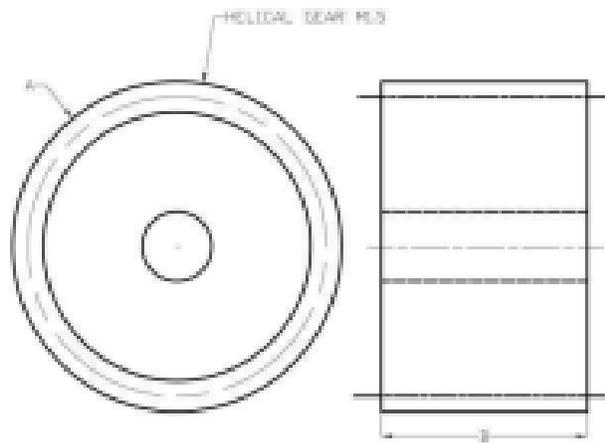
Make the model as per the given sketch by Knurling and BSW Thread cutting operations in a Lathe.



5. Make a spur gear by differential indexing method as per the Figure using Milling Machine

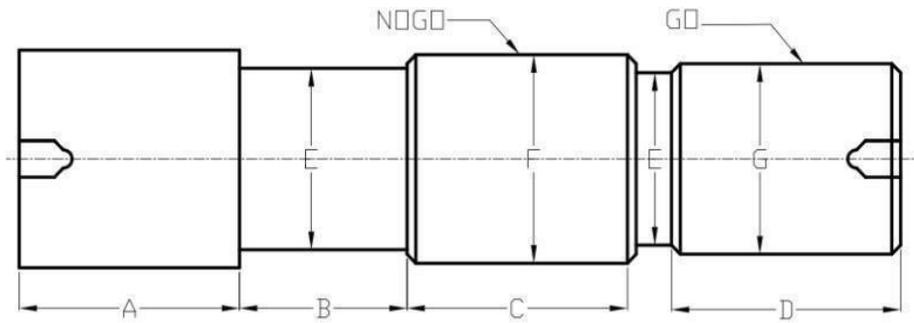


6. Make a Helical gear by differential indexing method as per the Figure using Milling Machine.



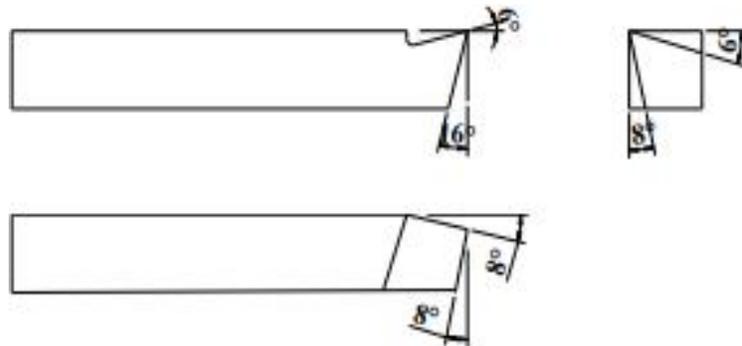
7

Make a progressive type plug gauge as per the Figure using Cylindrical Grinding Machine



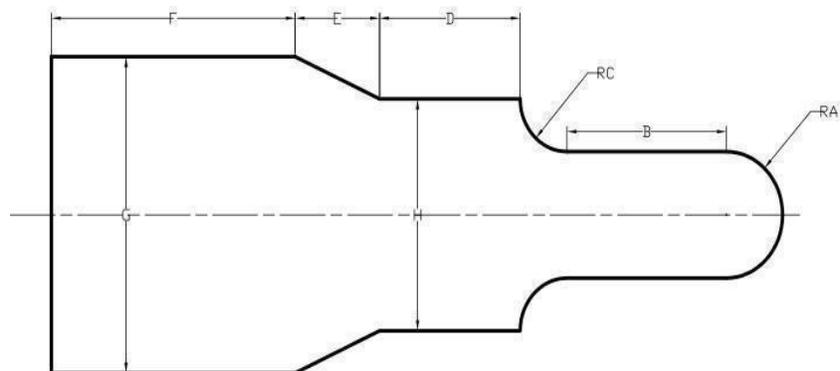
8

Make a turning tool as per Figure using Tool and Cutter Grinder

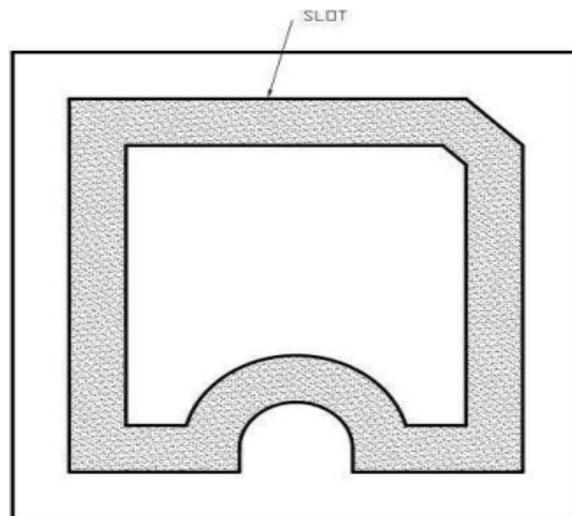


9

Make the component in the CNC Turning Centre



10 Make the component in the CNC Milling Centre.



Allocation of Marks

Sl No	Description	Marks
1	Aim & Tools required	10
2	Procedure	10
3	Job Preparation / Dimensions	30
4	Finish / Output	10
5	Written test Theory Portions only	30
6	Viva Voce	10
	Total	100