

MAHARASHTRA ANIMAL AND FISHERY SCIENCES UNIVERSITY, NAGPUR
SEMESTER END THEORY EXAMINATION, B. TECH. (D.T.) DEGREE COURSE 2018-19

Semester	: I (V Dean)	Academic Year	: 2018-2019
Course No.	: DE- 101	Course Title	: Workshop Practice
Credits	: 1+1=2	Total Marks	: 50
Day & Date	: Monday, 07/01/2019	Time	: 11.00 to 13.00 Hrs.

- Note :** 1) All questions from **Section 'A'** are compulsory.
2) Solve **Any Three** questions from **Section 'B'**.
3) All questions carry equal marks.

SECTION –'A'

- Q. 1. A) Choose and indicate the most appropriate answer for the following. (05)
- is the commonly used gas in inert gas welding.
 - Hydrogen
 - Argon
 - Oxygen
 - None of these
 - An oxidising process used for aluminium and magnesium articles is called
 - A device used for holding and rotating a hollow piece of work is called
 - A portable drilling machine is specified by
 - The size of a shaper is denoted by
- B) Define the following. (05)
- Annealing
 - Normalizing
 - Brazing
 - Forging
 - Arc Cutting
- Q. 2 A) Describe briefly. (05)
- Soldering
 - Beveled joint
 - CNC Machines
 - Tailstock
 - Lead screw

(P.T.O.)

- B) Write down the functions of the following in one line. (05)
- i) Files
 - ii) Die
 - iii) Green Sand mould
 - iv) Mandrel
 - v) Anvil

SECTION – 'B'

- Q. 3 Draw a neat sketch of standard shaper and describe its construction in details. (10)
- Q. 4 A) Enlist the marking and measuring tools and discuss any one in detail. (05)
B) Enlist and discuss the smithy and forging operations. (05)
- Q. 5 A) Explain the main parts of lathe machine with a neat sketch? (05)
B) What are the operations that can be performed on lathe machine? (05)
- Q. 6 Answer the following.
- A) What is the role of coated electrode in arc welding? (05)
 - B) What are the various types of joints used in welding? Explain any one. (05)
- Q. 7 Differentiate between electric arc welding and gas welding; with the help of neat sketch explain the types of flames produced in gas welding. (10)
