

**INDIAN MARITIME UNIVERSITY**

**Time Bound Assignment**

**B Tech (ME) Arrear Examinations**

**September/October 2020**

**UG11T3106**

**Workshop Technology**

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Date: 19/09/2020

Max Marks: 70

Duration: 3 Hrs

Pass Marks: 35

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**Part – A (Compulsory)**

**Answer the following (10 X 2 = 20 Marks)**

1. What is Pitch gauge?
2. Define- Thread Cutting
3. What is meant by Tapper Turning?
4. What is TIG welding?
5. Explain the term 'Reaming'.
6. List out different types of file.
7. What is Soldering?
8. Define-IS Standards.
9. Draw a dial gauge and label the parts.
10. What are the various PPE's used in Engine Room?

**Part – B**

**Answer any 5 out of 7 questions (5X10 =50 Marks)**

11. Draw a neat sketch and explain the Nomenclature of Twist drill  
**(10 Marks)**
12. Draw and explain the following
  - (a) Bridge gauge **(5 Marks)**
  - (b) Optical Measurements **(5 Marks)**

13. (a) List out the Defects in Welding. **(5 Marks)**  
(b) Explain Non destructive testing. **(5 Marks)**
14. (a) Write in detail About Risk Assessment. **(5 Marks)**  
(b) Explain Safe Working Practices. **(5 Marks)**
15. Draw a neat sketch and label the parts of a Lathe. **(10 Marks)**
16. Describe clearly on Factory Act Regulations. **(10 Marks)**
17. (a) List out different types of Valves. **(5 Marks)**  
(b) Draw a Gate valve and label the parts. **(5 Marks)**

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