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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Marine Engg.) (2013 Onwards) (Sem.-3)

**WORKSHOP TECHNOLOGY**

Subject Code : BTMR-301

M.Code : 72185

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A****1. Answer briefly :**

- a) What is the difference between mallet and hammer?
- b) How the files are classified?
- c) Name different carpentry tools.
- d) What is a shaper used for?
- e) Write the uses of a slotter.
- f) What is a core drill?
- g) What is the basic type of milling machine?
- h) Why is grinding so important in modern production?
- i) What is the use of feeler gauge?
- j) What is meant by fluxing?

### SECTION-B

2. Enumerate with neat sketches the various types of calipers with their working and uses.
3. Sketch and explain the geared main drive of engine lathe.
4. Explain the various elements of a single point cutting tool with a sketch.
5. Discuss the design considerations of different types of valves.
6. Explain the honing process.

### SECTION-C

7. Sketch the block diagram of a turret lathe. Name its major part.
8. With the help of a neat sketch explain the spot-welding method.
9. Write a note on principles of interchangeably.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**