



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2021 Admission
I Semester Final Examination – May 2022

Pafe.1103

Workshop Technology (1+2)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

1. _____ is the standard color for oxygen hose.
2. _____ is used to support a long slender job, when it is turned between centers.
3. Bolts are produced by _____ forging.
4. Thickness of valve in the radial drilling machine is _____.
5. A chuck is attached to _____.

State True or False

6. Large drill is a mass production machine.
7. The cutter is mounted on the arbor.
8. The ram holding the tool gets reciprocating movement.
9. In pressure die castings, production rate is low.
10. Mortise gauge is used to mark lines perpendicular to the edges.

II Write short notes on ANY FIVE of the following

(5x2=10)

1. What is draft allowance? How is it provided for patterns?
2. Terms used in Lathe machine.
3. Explain Working Principle and Operation of a Shaper.
4. Difference between counter boring and counter sinking.
5. Explain Importance of welding.
6. Explain defects in timber.
7. Write name of hand tools used in smithy shop.

III Answer ANY FIVE of the following

(5x4=20)

1. Explain in brief with neat sketches the various types of saws used in carpentry shop.
2. Briefly explain forging operations.
3. What is the working principle of Milling machine?
4. Lists the accessories of a lathe? Explain any four.
5. Explain TIG welding techniques.
6. Explain the principle of quick return motion mechanism of a shaper. What is need of this Mechanism?
7. Explain in brief Properties of Moulding Sand.

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Lathe operations
2. Column and Knee Type Milling Machines
