

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food.Engg) 2014 Admission
Ist Semester Final Examination- January -2014

Cat. No: Meen.1101

Title: Production Technology(2+1)

Marks: 50.00

Time: 2 hours

(10 x 1=10)

I Fill up the blanks

1. Cast iron is made in _____ furnace
2. Bronze is an alloy composed mainly of _____ and _____
3. _____ are used for holding small articles and for cutting thin wires
4. Steel containing less than 0.8% carbon are known as _____
5. Degree of looseness or tightness is called _____

Define

6. Elasticity
7. Toughness
8. Heat treatment
9. Normalizing
10. Sweep patterns

(5 x 2=10)

II Write short notes on any FIVE questions

1. Differentiate between Swages and Swage block
2. Explain the different types of files used in Fitting shop
3. What are the different methods of heat treatment
4. Iron-carbon equilibrium diagram
5. Principal parts of a planner
6. Types of moulding processes
7. Metal alloys

(5 x 4=20)

III Write short notes on any FIVE questions

1. Narrate the different types of tongs used in smithy with neat sketches
2. Explain the methods of wood seasoning
3. Explain the different types of patterns
4. Briefly discuss the main parts of a Drilling machine
5. Describe the working procedure of sawing and marking operation in carpentry

6. What is core in Pattern making for casting. Discuss briefly the material normally used in core making
7. Name two elements other than carbon commonly added in making steel. How they influence the properties of steel

IV Write an essay on any ONE

(1 x 10=10)

1. What is the principle of operation of Oxy-Acetylene welding .What are the different types flames produced in OXY-Acetylene flame. State the uses of each type.
2. With a neat sketch explain the main parts of a milling machine and describe briefly the functions
