



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Engineering and Technology)
VII Semester Final Re- Examination – March 2023
2019 Admission

Meen.1101

Production Technology (2+1)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

1. is a filler metal used in soldering.
 2. Small cavities found on the casting surface are called
 3. The working of metals above their recrystallization temperature is known as
 4. added to aluminium increases fluidity during casting.
 5. The type of hammer used for extracting nail in a carpentry shop is
 6. Melting temperature of cast iron is
 7. The definite and orderly manner and form of the atoms producing a small, repeating, three dimensional, geometrical pattern in aggregate is called
- State True or False**
8. Tapping is used to produce holes in metals.
 9. TIG welding uses a consumable electrode.
 10. Negative rake angle decreases tool strength.

II Write short notes on ANY FIVE of the following

(5x2=10)

1. Moulding methods
2. Seasoning of wood
3. What are the different types of chips formed during metal cutting?
4. Distinguish between case hardening and surface hardening.
5. What is cementite?
6. What is galvanizing? Explain the process of galvanizing.
7. Welding joints

III Answer ANY FIVE of the following

(5x4=20)

1. Explain the tools and machines used for forging.
2. What are the types of welded joints and what are their failures?
3. Explain a fly press used for sheet metal working.
4. Differentiate brazing and soldering.
5. Explain the difference between cold working and hot working of metals.
6. Explain the grinding process and write about kinds of grinding machines.
7. What are the mechanical properties of metals?

IV Write an essay on ANY ONE of the following

(1x10=10)

1. Blast furnace
2. Mention the principal parts of a lathe and explain the basic operations performed.
