



KERALA AGRICULTURAL UNIVERSITY

B.Tech.(Agri. Engg) 2017 Admission

II Semester Final Examination- July 2018

Fpme.1201

Workshop Technology and Practice (1+2)

Marks: 50

Time: 2hours

I Fill up the blanks

(10x1=10)

- 1 The reciprocating member of shaper is known as -----
- 2 In a drilling machine, the accurate way of sizing and finishing a hole which has been previously drilled is -----
- 3 When a pattern is made in three parts, the top part is known as -----

Choose the best

- 4 In electric arc welding, the normal open circuit voltage required for welding is
 - a. 50 to 90 voltage
 - b. 200-400 volts
 - c. 150-200 volts
 - d. None of the above
- 5 The property of sand due to which it evolves a great amount of steam and other gases is called
 - a. Permeability
 - b. Cohesiveness
 - c. Adhesiveness
 - d. None
- 6 In grinding wheels, which of the following abrasives are used?
 - a. Silicon oxide
 - b. Aluminium oxide
 - c. Cubic boron nitride
 - d. Iron oxide

State True or False

- 7 Acetylene gas is stored in cylinder in Liquid form
- 8 Cutting tools are usually made of high speed steel
- 9 Sand mould is an example of permanent mould

Define

- 10 Soldering.

II Write Short notes on any FIVE of the following

(5x2=10)

- 1 Carpentry tools in wood working.
- 2 Types of welding.
- 3 Sand additives types.
- 4 Types of drilling machines.
- 5 Foundry Tools.
- 6 Safety in workshop
- 7 Classification of Lathes.

P.T.O

III Answer any FIVE of the following.

(5x4=20)

- 1 Principle of arc welding and equipments used.
- 2 Oxyacetylene gas welding.
- 3 Types of allowances to be given for making the patterns
- 4 Core and core prints.
- 5 Seasoning and types of wood.
- 6 Constructional details of drilling machines.
- 7 Constructional details of a milling machine.

IV Answer any ONE of the following

(1x10=10)

- 1 Constructional details of centre lathe, main accessories and attachments with their operations and functions
- 2 Plant layouts, types, factors influencing layout types with their advantages and disadvantages.
