

KERALA AGRICULTURAL UNIVERSITY B.Sc. (Hons.) Ag 2017 Admission

III Semester Final Examination-January -2019

Engg.2102 Farm Ma

Farm Machinery and Power (1+1)

Marks: 50 Time:2 hours

I Choose the correct answer (10x1=10)1 The lubrication system used in tractor Forced feed system Splash system ٠b Both a and b d None of the above Interval between successive power strokes in different cylinders of the engine is called 2 Firing interval Firing order b Valve diagram С None of the above 3 The material left by the harvesting machine is called Swath Residue Herbage Straw The device used to apply the powder chemical is called 4 Pump Sprinkler С Which is not a method of sowing 5 Dibbling b Metering Dropping d Drilling Define the following 6 Firing Order 7 Differential Mouldboard 8 9 Sowing Calibration of seed drill 10 Differentiate any five of the following II (5x2=10)Fixed cost and operating cost 1 Chisel plough and subsoiler 2 Splash system and forced feed system 3 Broadcasting and transplanting 4 IHP and BHP 5 Two stroke and four stroke engine 6 Octane number and cetane number 7 Answer ANY FIVE of the following III (5x4=20)Valve timing mechanism with its diagram. 1 Functional components of mould board plough. 2 Procedure for calibration of seed drill. Sources of farm power with their merits and demerits. 4 Types of sowing methods and explain any two. 5 Tractor classification and tractor selection factors. 6 Cooling system of tractor. 7 Write essayon ANY ONE of the following (1x10=10)IV a Power tiller and functional components. 1 b Transmission system of power tiller with neat labeled sketch. a Threshing and types of threshing cylinders. 2 .

b Working of combine harvester and its functional components.
