

End Semester/Reappear (Semester III) Examination December, 2024

Programme: B. Sc. (Hons.) Agriculture

Course: Farm Machinery and Power

Course Code: 13A.212

Enrolment no. _____

Full Marks: 50

Time: 2 Hrs.

Q.No.	Questions	CO	Bloom Taxonomy Category	Marks
Section I				
1	Short Answer type questions.			4 x 5 = 20
a	1. Enlist the constraints which are responsible for not adopting the mechanization.	CO1	Remember	
	or			
b	Classify the various farm power sources.	CO1	Remember	
	Describe briefly the main components of the IC engine.	CO2 & CO3	Understand	
c	or			
	Classify the types of tractors.	CO2 & CO3	Understand	
d	Differentiate between Primary tillage & secondary tillage.	CO4	Understand	
	or			
e	Enlist the objective of tillage.	CO4	Remember	
	Illustrate the factors affecting performance of thresher.	CO5	Understand	
f	or			
	Enlist the ways & means for protection of plants.	CO5	Understand	
Section II				
Long Answer type questions.				
2	Is indigenous method of farming suitable to meet the demand of food of our country? Justify the statement. State the merits and demerits of different sources of energy used in farm with suitable examples?	CO1	Apply	2 x 15 = 30
	or			
3	How will you make aware about the use of mechanization? How will you convince your villagers to adopt the organic farming?	CO1	Apply	
	or			
4	Articulate the working of two stroke cycle engine with neat sketch. Differentiate between the four stroke engine and two stroke engine with neat sketch	CO2 & CO3	Apply	
	or			
5	Reframe the power transmission of tractor with a neat sketch. Enumerate the basic function of fuel pump in case of compressed ignition engine.	CO2 & CO3	Apply	

Course Outcomes:

At the end of the Course, the Student will be able to-

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CO1 Students will be able to distinguish between Various Engine components and know its function and status of farm power in India.

CO2 Students will understand the importance of cooling system and will be able to perform small maintenance of cooling system and air supply system by themselves.

CO3 Students will know the Function of various systems of a vehicle and rectify problems due to their Defect.

CO4 Students will know about modern agriculture equipment and their use.

CO5 Students will be able to use various types of sprayers and perform small maintenance by themselves.