





BRAINWARE UNIVERSITY

Term End Examination 2024-2025 Programme – B.Sc.(Ag)-Hons-2022/B.Sc.(Ag)-Hons-2023 Course Name – Farm Machinery and Power Course Code - CC-BAG375(T) (Semester III)

Full Marks: 50 [The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]			
Grou (Multiple Choice T 1. Choose the correct alternative from the following	ype Question)	1 x 20=20	
(i) Infer the correct option: In 4-stroke engine there is one power stroke for every revolutions of the crank shaft.			
a) 1 c) 3 (ii) Infer one instrument that is not a hand tools?	b) 2 d) 4		
a) M.B Ploughc) Spade(iii) Infer one tools that is not a tractor drawn tillag	b) Shorel d) Mamaunty e tools?		
a) Cultivatorc) Harrow(iv) Infer one tool that is not the secondary tillage to	b) Augar plough d) Plank tool?		
a) Disc ploughc) M.B Plough(v) Show the correct option : What is the Vertical s	b) Disc harrow d) None of these section of plough influences.		
a) Pulverizationc) Width of cut(vi) Relate the two primary tillage equipment's are	b) Depth of cutd) Direction of pull		
 a) M.B plough and disc harrow c) Disc harrow and cultivator (vii) Demonstrate the correct option: The mowers and contract option is the mowers and contract option. 	b) Disc plough and disc harrow d) M.B Plough and disc plough		
a) Wheat c) Mustard (viii) Infer the correct option : Working width of disc	d) Paddy d) Grasses plough can be increased by		
a) Disc anglec) Disc section(ix) Show a option that is known as Correcting the	d) Horizontal section		

d) Testing	ett 1828
b) Gathering Jibro's d) All of these	10 19 3 3 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
n engine.	3,60
d) Ignition coil e of diesel engine?	
b) Oil bath type	
sed to supply	
d) Petrol and air	
b) Efficiency will be low d) Black smoke will be produced compression ratio.	
b) Petrol engined) All of these	
b) Transmission geard) Differential	
b) Crop	
•	
d) H.harries(1890)	
are designed to start opening at	ιο
b) 70°-75°C d) 72°-78°C	
b) 82°c d) 120°c	
р-В	2.5 x
pe Questions)	10=25
r sprayer. anization.	(2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5) (2.5)
	b) Gathering d) All of these n engine. b) Carburetor d) Ignition coil e of diesel engine? b) Oil bath type d) Dry type sed to supply b) Air and diesel d) Petrol and air in diesel engine. b) Efficiency will be low d) Black smoke will be produced compression ratio. b) Petrol engine d) All of these the tractor engine is b) Transmission gear d) Differential nanical manipulation of the b) Crop d) Air action engine or tractor. b) Rodolph(1895) d) H.harries(1890) are designed to start opening at b) 70°-75°C d) 72°-78°C ine temperature is b) 82°c

Discuss about nozzle of sprayer.	(2.5)
Group-C (Long Answer Type Questions)	5 x 1=5
12. Discuss about the power transmission system of the tractor.	(5)
OR Discuss about the mouldboard plough implement.	(5)

Library
Brainware University
Brainware University
Brainware University
Road, Barasat
Barainware Pengal 700125
Rokala, West Pengal 700125