

Reg. No:

--	--	--	--	--	--	--	--	--	--

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**B.Tech III Year I Semester Supplementary Examinations July-2022****FARM MACHINERY & EQUIPMENT-II**

(Agricultural Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units 5 x 12 = 60 Marks)

UNIT-I

- 1 a What is harvesting? Explain principle of cutting of a crop. L1 6M
b Explain in briefly about manual harvesting using sickle. L1 6M

OR

- 2 a Distinguish between registration and alignment. L2 6M
b Illustrate about self-propelled reaper binder. L2 6M

UNIT-II

- 3 a Where do you use combine harvester? Explain in briefly about development history of combine. L1 6M
b Define threshing mechanism? Explain combine losses. L1 6M

OR

- 4 a Discuss about functional components of corn harvester. L1 6M
b What are the advantage and disadvantage of combine? L1 6M

UNIT-III

- 5 Distinguish between groundnut digger shaker and potato harvester with neat diagram. L2 12M

OR

- 6 a Distinguish between manual fruit harvester (blade type) and manual fruit harvesters (hold on and twist type). L2 6M
b Explain in briefly about snappers & picker-sheller L1 6M

UNIT-IV

- 7 Explain in briefly about cotton pickers with drum type spindle arrangement with neat sketch. L1 12M

OR

- 8 a Where do you use picker? Explain about different types of cotton pickers. L2 6M
b What are the factors affecting the performance of cotton pickers. L1 6M

UNIT-V

- 9 a Define threshing? Explain about different types of cylinder. L1 6M
b Describe about different parts of power thresher with a neat sketch. L1 6M

OR

- 10 Write short notes on L1 12M
i) Cleaning unit ii) Seed damage iii) Aspirator & Blower

*** END ***