



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 5th Semester Examination, 2021-22

ARDADSE01T-AGRICULTURE AND RURAL DEVELOPMENT (DSE1/2)

ORGANIC FARMING

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

1. Answer any *six* questions from the following: 5×6 = 30
- (a) State major steps to be considered to develop an organic farm.
- (b) Explain key characteristics of an ideal organic farm.
- (c) What is a biorational pesticide? What are the benefits of biorationals? 2+3
- (d) What are Bio-fertilizers? Classify different Bio-fertilizers and give at least one example of each type. 1+4
- (e) What is organic manure? Mention factors that affect organic manure production. 2+3
- (f) Write down the advantages and disadvantages of the use of green manure in sustainable agriculture. Name two green leaf manure crops. 4+1
- (g) What is Vermiwash? Describe its importance. 2+3
- (h) What is liquid manure? Give two examples. State the production procedure of liquid manure. 1+1+3
- (i) Suggest a seed to seed complete package of organic practices in a tabular manner for *Kharif* Paddy.
2. Answer any *one* question from the following: 10×1 = 10
- (a) What is Organic Farming? Write the merits and demerits of organic farming. Why it is important for sustainable agricultural development? 2+5+3
- (b) What is Vermicomposting? Name two earthworm species used in vermicomposting. What are the roles of vermicultures in vermicomposting? How will you judge that your vermicompost is ready for use? 2+1+3+4

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

—X—