



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(Ag)-Hons-2021

Course Name – Principles of Organic Farming

Course Code - CC-BAG677 (T)

(Semester VI)

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) A system of farming which avoids use of synthetic inputs like fertilizers, pesticides and hormones is called
- a) Inorganic system
b) Organic farming
c) Inorganic farming
d) None of them
- (ii) Who is considered as the father of green revolution of World
- a) M.S.Swaminathan
b) Guruprasad
c) Smith
d) Norman Borloug
- (iii) Who is regarded as the father of green revolution in India
- a) M.S.Swaminathan
b) Guruprasad
c) Smith
d) Norman Borloug
- (iv) Which of the following statement is true about organic farming?
- a) It improves quality of farm produce
b) No improvement in nutritive value
c) It reduces health benefit
d) All of these
- (v) Which state has been declared as organic state?
- a) Sikkim
b) Uttaranchal
c) Both and
d) Kerala
- (vi) Who coined the term "Organic Farming"
- a) M.S.Swaminathan
b) Walter James
c) J.I.Rodale
d) Smith
- (vii) Which of the following are included in the limitations of organic farming?
- a) Maintain soil fertility
b) Increase soil fertility
c) Small land holding
d) Avoid pollution
- (viii) Choose the correct answer: The main objective of organic farming is
- a) Low quality food production
b) Work with artificial system
c) Maintain and increase soil fertility
d) Increasing pollution
- (ix) Due to globalization of trade, Indian Agriculture will face which type of competition?

- a) Production
c) Market
- b) Commodity
d) None
- (x) Which is the main market for export of organic product in India
- a) European union
c) Japan
- b) USA
d) Africa
- (xi) What is the watch word and slogan of organic farming
- a) Feed the soil
c) Feed the animal
- b) Feed the plant
d) None of these
- (xii) Which part of the organic matter is source of energy for microbes
- a) N
c) Humus
- b) C
d) Fe
- (xiii) Select the correct option: Full form of NPOP is
- a) National Program on Organic Production
c) National Program on Organic Products
- b) National Products on Organic Production
d) None of these
- (xiv) Choose the correct answer: The earth worm feed at/near the soil surface, mainly on plant litter, dead roots and other plant debris are
- a) Epigeic
c) Endogeic
- b) Geofagous
d) All of these
- (xv) Identify the biological N fixing organism used in transplanting paddy
- a) Azospirillum
c) Rhizobium
- b) Azola
d) Acitobactor
- (xvi) Choose the correct answer: The practice of collecting green biomass from nearby location and adding it to the soil is known as_____.
- a) Green manuring
c) Deep manuring
- b) Green leaf manuring
d) Puddling
- (xvii) Which is not advisable method of recycling
- a) Burning
c) Composting
- b) Incorporation
d) Mulching
- (xviii) Which one is the silicate and zinc solubilising bio-fertilizer.
- a) Pseudomonus straita
c) Bacillus polymixa
- b) Penicilium spp.
d) Glomus spp.
- (xix) Choose the correct answer: After the first year application of fresh organic matter has a break down rate _____.
- a) 25-50 %
c) 50-60 %
- b) 40-80 %
d) 50-80 %
- (xx) Choose the correct answer: The predator Chrysoperla is used for the control of _____.
- a) White grub
c) Mealy bugs
- b) Aphids
d) Whitefly

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. List out various causes of low adoption of organic farming in india (2.5)
3. Discuss about the principle of health in organic farming (2.5)
4. List out the different issues of concern for adopting organic farming (2.5)
5. List out the components of organic farming (2.5)
6. Classify organic manure based on nutrient content (2.5)
7. Recall different method of farm compost preparation (2.5)
8. Copare between green manuring in-situ and green leaf manuring (2.5)
9. How can a farmer recycle his organic waste (2.5)

10. Describe about the methods of biofertilizer application (2.5)
11. Discuss about the principle of ecology in organic farming (2.5)
OR
Discuss about the principle of fairness in organic farming (2.5)

Group-C
(Long Answer Type Questions) 5 x 1=5

12. Discuss the principles of biological weed control (5)
OR
Discuss about the methods of biofertilizer application (5)
