

Parmukh Swami Science and H. D. Patel Arts College, Kadi
Community College

Advance Diploma in Agriculture and Soil Science

Semester- IV

Internal Examination, March-2019

Subject Code: - AS- 403

Subject: - Organic farming, green house and polyhouse technology

Time: 2 hrs

Date: 27/03/2019

Marks: 40

Q.1 Answer any 10 MCQ questions. Each question carries 1 mark.

[10*1=10]

1. _____ is a phosphate solubilizing micro organism.
[A] *pseudomonas straita* [B] *penicilium spp.*
[C] *Bacillium polymixa* [D] All of these
2. Potash solubilizing bacteria was isolated from _____ plant from the soil in Orissa.
[A] Mango [B] Banana
[C] Papaya [D] Guava
3. _____ is edible cake.
[A] Neem Cake [B] Safflower decorticated
[C] Safflower un decorticated [D] None of these
4. Urin is normaly low in _____ and rich in potash.
[A] Nitrogen [B] Phosphorus
[C] Carbon [D] Iron
5. _____ is a symbiotic in nature.
[A] Azotobactor [B] PSB
[C] Azolla [D] All of these
6. Azotobactor is a _____ type bacteria in biofertilizer.
[A] Symbiotic [B] Free living
[C] Anaerobic [D] All of these
7. Azolla bio fertilizer is mostly used in _____ crop.
[A] Maize [B] Groundnut
[C] Greengram [D] Flooded rice
8. _____ greenmanuring crop suitable for low land rice field.
[A] Dhaincha [B] Sunhemp
[C] Cowpea [D] Clusterbean
9. The non-economic plant part that are left in the soil is known as _____.
[A] Mulching [B] Composting
[C] Crop residues [D] Incorporation
10. _____ is a major component of organic farming.
[A] Inorganic fertilizer [B] Bio fertilizer
[C] Pesticide [D] Gypsum

[P.T.O.]

Q.2 Answer any 4 questions. Each question carries 05 marks.

[4*5=20]

1. Write down the effect of panchgavya in detail.
2. Write down the benefits of Vermicomposting.
3. Write down the jivamrut and bijamrut preparation methods in detail.
4. Write down the preparation methods of FYM and compost.
5. Write down the advantages of green manuring & limitation of green manure.

Q.3 Answer any one. Each question carries 10 marks.

[1*10=10]

1. Write down the phosphate solubilizing bio fertilizer.
2. Write down the preparation of panchgavya in detail and write down the table of physic, chemical and biological properties of panchgavya.

[P. T. O.]

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