

Hemchandracharya North Gujarat University

Advance Diploma in Agriculture and Soil Science

Semester- IV

End Term Examination, April-2018

Subject Code: - AS- 403

Subject: - Organic farming, green house and polyhouse technology

Time: 2 hrs

Date: 27/04/2018

Marks: 40

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

[10*1=10]

1. Residues Left out after the harvest of the economic portions is called _____.
[A] Guano [B] Crop Residues
[C] Bone Meal [D] None of these
2. _____ cakes are not safe for fed to live stock.
[A] Castor cake [B] Groundnut cake
[C] Neem cake [D] Mahua cake
3. Which one is the example of crop west?
[A] Bone meal [B] Sugarcane trash
[C] Weed [D] Night soil
4. _____ is example of P solubilizing biofertilizers
[A] Penicillium spp. [B] Aspergillus
[C] Acetobacter [D] Azospirillum
5. _____ is widely accepted as fertilizer, feed, food and fodder.
[A] Azolla [B] Aspergillus
[C] Bacillus Spp. [D] Azospirillum
6. _____ is a stem nodulating green manure crop.
[A] *Crotalaria juncea* [B] *Sesbania aculeate*
[C] *Sesbania speciosa* [D] None of these
7. Average organic matter content present in vermicompost is _____.
[A] 30 to 40 % [B] 40 to 60 %
[C] 70 to 80 % [D] None of these
8. _____ is example of slaughter house west.
[A] Dung [B] Horn and Hoof meal
[C] Night soil [D] All of these
9. Which microorganisms is example of N₂ Fixing bio-fertilizer?
[A] *Penicillium sp.* [B] *Rhizoctonia solani*
[C] *Azotobacter* [D] *Bacillus sp.*
10. Which microorganisms is example of symbiotic nitrogen fixers?
[A] Rizobium [B] Azotobacter
[C] Azospirillum [D] Acetobacter

[P. T. O.]

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

[4*5=20]

1. Write down the preparation methods of FYM and Compost
2. Write down short note on Poultry manure, Oil-cake and Bone meal.
3. Write down the method of jivamrut and bijamrut in detail.
4. Write down the characteristics desirable in legume green manure and limitation of green manure crops.
5. Write down the methods of green manure.

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

[1*10=10]

1. Write down the non symbiotic nitrogen fixer in detail.
2. Write down in detail symbiotic nitrogen fixer bio fertilizer.

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