PROCEEDINGS OF THE VICE-CHANCELLOR

Sub: Approval of Syllabus & Model Question Papers of I Semester, B.Sc., (BAC) Agriculture Course, w.e.f. 2020-21 – Orders – Issued.

Read: Letter dt. 09-07-2021 received from Principal, Chaitanya Degree & P.G. College, Vizianagaram.

ORDER:

The Hon’ble Vice-Chancellor has ordered that the ref read above on the revised Choice Based Credit System (CBCS) Approval of Syllabus and Model Question Papers of I Semester, B.Sc., (BAC) Agriculture Course w.e.f. 2020-21 academic year and be placed in A.U. website.

It is further ordered to place the matter before the ensuing meeting of the Academic Senate for ratification.

(BY ORDER)

(B. RAMACHANDER)
ASSISTANT REGISTRAR (ACADEMIC)

To:
The Dean, Academic Affairs, A.U. Vsp.

Copies to:
2. The Dean, CDC, A.U., Vsp.
3. The Dean, Confidential, A.U., Vsp.
5. The Secretary to V.C., Rector Table, P.A. to Registrar, A.U., Vsp.
6. The Director, Computer Centre, A.U., Vsp.
7. The Principal’s All Affiliated Colleges (U.G.)
8. O.C. & O.O.F.
Dear Sir,

Please find the attached document.

3 attachments

- syllabus.pdf
  66K

- Modelpaper.pdf
  65K

- Practical.pdf
  55K
Part-I: AGRONOMY

Unit-I
a. Soil fertility and nutrient management (12 hrs)
b. Chemical analysis of soil and water
c. Maintenance of soil fertility and productivity
   a. Integrated nutrient management
      i. Organic methods
      ii. Chemical fertilizers

Unit-II
Breeding of field crops (12 hrs)

Unit-III
Production of Millets (12 hrs)
Importance, origin, distribution, climate, variation, soil, practices, manuring, irrigation, Plant protection, harvesting and processing of the following crops:
   a. Pearl millet / Bajra
   b. Finger millet / ragi
   c. Foxtail millet / Korra
   d. Sorghum

Unit-IV
Production of oil seeds (12 hrs)
Importance, origin, distribution, climate, variation, soil, practices, manuring, irrigation, Plant protection, harvesting and processing of the following crops:
   a. Ground nut
   b. Sunflower
   c. Castor
   d. Sesame
   e. Mustard

Unit-V
Production of Commercial Crops (12 hrs)
Importance, origin, distribution, climate, variation, soil, practices, manuring, irrigation, Plant protection, harvesting and processing of the following crops:
   a. Cotton
   b. Jutte
   c. Sugarcane
   d. Tobacco
   e. Berseem
   f. Lucerne
   g. Para grass
   h. Napier grass
Practical Syllabus – I

1. Chemical analysis of soil and water
   a. Salinity / Alkalinity
   b. pH and Electric conductivity
   c. Nutrient analysis N, P, K, organic carbon

2. Identification and analysis of manures [Farm yard manure, Poultry manure, sheep penning]

3. Identification of chemical fertilizers based on physical properties.


5. Hybrid seed production using male sterile lines, maintainer lines and restoral lines.

6. Identification of Millets, Oil Seeds, commercial crops & fodder crops.

Field visits to observe the standing crops at Agriculture College and Research station in vicinity

[Darsi, Bapatla, Lam Farm, Jangamaheswarapuram and Amaravathi]
I. Answer any FIVE from the following EIGHT questions.  
5x5=25 M  
1. Repairing of Acid Soils.  
2. Clonal variance.  
3. Objectives of plant breeding.  
4. Interchair policies.  
5. Economical importance of small grains.  
7. Approbe Grafting.  
8. Soil Erosion  

II. Answer the following ONE from each unit questions.  
5x10=50 M  
9. B) Write the varieties of plant breeding.  
10. A) Brief information of seed less agriculture in breeding.  
10. B) How many types of seed classification and write brief explanation.  
11. A) Write the plantation of pear millet crop.  
11. B) Write the explanation fostaal millet crop.  
12. A) Write the process of pea nut cultivation.  
12. B) Write the process of seasamum crop.  
13. A) Write the process of Hemp plant cultivation.  
13. B) Write the process of sugarcane crop.