

ANDHRA UNIVERSITY

Telegrams: UNIVERSITY
Telephone: 284 4000
Fax: 0891 - 2755324



All Official letters, packages etc,
should be addressed to the
Registrar by designation and not
by name

No. L.I(1)/U.G. Courses//Syllabus & MQP./B.Sc.(BAC) Agriculture/2020-21.

Visakhapatnam,
Dt: 20-07-2021.

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.

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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:

1. The Dean, U.G. & P.G, Professional Courses, A.U., Vsp.
2. The Dean, CDC, A.U., Vsp.
3. The Dean, Confidential, A.U., Vsp.
4. The Controller of Examinations, 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.



Legal Section, Andhra University, A.P. <supdt4041@gmail.com>

Agriculture Syllabus, Model Paper, Practical Syllabus.


1 message

suneel kumar chintada <suneel757kumar@gmail.com>
To: supdt4041@gmail.com

Fri, Jul 9, 2021 at 12:56 PM

Dear Sir,

Please find the attached document.

3 attachments **syllabus.pdf**
66K **Modelpaper.pdf**
85K **Practical.pdf**
55K

ANDHRA PRADESH STATE HIGHER COUNCIL- VIJAYAWADA

I BSC – AGRICULTURE SYLLABUS

PAPER-I SEMESTER – I

PAPER – I T : AGRONOMY – I

Total hours of teaching 60hrs @ 4hrs per week

Part -I:	AGRONOMY	
Unit – I	a. Soil fertility and nutrient management b. Chemical analysis of soil and water c. Maintenance of soil fertility and productivity a. Integrated nutrient management i. Organic methods ii. Chemical fertilizers	(12 hrs)
Unit – II	Breeding of field crops	(12 hrs)
Unit – III	Production of Millets 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	(12 hrs)
Unit – IV	Production of oil seeds 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	(12 hrs)
Unit – V	Production of Commercial Crops Importance, origin, distribution, climate, variation, soil, practices, manuring , irrigation, Plant protection , harvesting and processing of the following crops: a. Cotton b. Jute c. Sugarcane d. Tobacco e. Berseem f. Lucerne g. Para grass h. Napier grass	(12 hrs)

ANDHRA PRADESH STATE HIGHER COUNCIL- VIJAYAWADA

I BSC – AGRICULTURE SYLLABUS

PAPER-I SEMESTER – I

PAPER – I P : AGRONOMY – I

Total hours of teaching 45 hrs @ 3hrs per week

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

- 1. Identification and analysis of manures [Farm yard manure, Poultry manure, sheep penning]
- 2. Identification of chemical fertilizers based on physical properties.
- 3. Emasculation and pollination of naturally self/cross – pollinated local crops.
- 4. Hybrid seed production using male sterile lines, maintainer lines and restoral lines.
- 5. 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]

ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION.

B.Sc. Agriculture - Agronomy-1

MODEL QUESTION PAPER.

PART-A

I. Answer any FIVE from the following EIGHT questions.

5x5=25 M

1. ఆమ్ల నేలలు బాగుచేయుట.
Repairing of Acid Soils.
2. క్లోనల్ వరణం.
Clonal variance.
3. ననృ ప్రజననం లక్ష్యాలు.
Objectives of plant breeding.
4. అంతర కృషి విధానాలు.
Interchair policies.
5. చిరుధాన్యాల ఆర్థిక ప్రాముఖ్యత.
Economical importance of small grains.
6. శాఖీయ వ్యాప్తి.
Vesitative Reproduction.
7. ఎప్రోబ్ అంటుకట్టుట.
Approbe Grafting.
8. నేల ఉత్సాదకత.
Soil Erosion

PART-B

II. Answer the following ONE from each unit questions.

5x10=50 M

9. ఎ) భూసారం అనగా నేమి? భూసార నష్టానికి కారణాలు, నష్ట నివారణ చర్యలు.
A) Write the definition of soil, causes of soils loss and prevention of loss of soil.
(Or)
బి) మండాలను రూపొందించు ననృ ప్రజనన పద్ధతులు గూర్చి వ్రాయండి.
B) Write the varieties of plant breeding.
10. ఎ) విత్తనతర విధానంలో శాతనోత్పత్తి చేయువంటలకు ప్రజననం చేయు విధానం గురించి వివరించండి.
A) Brief information of seed less agriculture in breeding.
(Or)
బి) విత్తన తరగతులు ఎన్నికాలు, అవివివి వాటి గురించి వ్రాయండి.
B) How many types of seed classification and write brief explanation.
11. ఎ) నజ్జ వంట సాగుచేయు విధానం గురించి వ్రాయండి.
A) Write the plantation of pear millet crop.
(Or)
బి) కొర్రలు సాగుచేయు విధానము.
B) Write the explanation fostail millet crop.
12. ఎ) వేరుశనగ వంట సాగుచేయు విధానము గురించి వ్రాయండి.
A) Write the process of pea nut cultivation.
(Or)
బి) సువ్వులు సాగుచేయు విధానము గూర్చి వ్రాయండి.
B) Write the process of seasamum crop.
13. ఎ) గోగువంట సాగుచేయు విధానము గూర్చి వ్రాయండి.
A) Write the process of Hemp plant cultivation.
(Or)
బి) చెఱుకు వంట సాగుచేసే విధానము గూర్చి వ్రాయండి.
B) Write the process of sugarcane crop.