

CIRCULAR:-

A reference is invited to the scheme of papers at the B.A. Degree course under the revised pattern vide this office Circular No.UG/179 of 2001, dated 28th May, 2001 and the Principals of the affiliated colleges in Arts, and the Director, Institute of Distance Education are hereby informed that the recommendations made by the Board of Studies in Rural Development at its meeting held on 13th February, 2004 has been accepted by the Academic Council at its meeting held on 2nd April, 2004 vide item No.4.23 and that in accordance therewith the syllabus in the subject of Rural Development Paper V-Agriculture and Allied Activities at the T.Y.B.A. examination is revised as per Appendix and that the same will be brought into force with effect from the academic year 2005-2006.

MUMBAI-400 032

26th May, 2004

To,

The Principals of affiliated colleges in Arts and the Director of Institute of Distance Education

AC/4.23/020404

No.UG/ 202 -A of 2004, MUMBAI-400 032, 26th May 2004

Copy forwarded with compliments for information to :-

1. The Dean, Faculty of Arts
2. The Chairman, Board of Studies in Rural Development

for REGISTRAR

Copy to :-

The Director, Board of College and University Development, the Controller of Examination, the Deputy Registrar (Eligibility and Migration Section), the Director of Students Welfare, the Personal Assistants to the Vice-Chancellor, the Pro-Vice-Chancellor, the Registrar and the Assistant Registrar, Administrative sub-center, Ratnagiri for information.

The Controller of Examinations (10 copies), Finance and Accounts Officer (2 copies), Record Section (5 copies), Publication Section (5 copies), Deputy Registrar, Enrolment, Eligibility and Migration (3 copies), Deputy Registrar, Statistical Unit (2 copies), Deputy Registrar, Accounts Section, Vidyanagari (2 copies), Deputy Registrar, Affiliation Section, (2 copies), The Director, University Computer Center (IDE Building), Vidyanagari. Assistant Registrar, Academic Authorities Unit (2 copies) He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to in the above Circular and that no separate Action Taken Report will be sent in this connection. Assistant Registrar, Constituent Colleges Unit (2 copies), BUCTU (1 copy), Deputy Accountant, Unit V (1 copy), In-charge Centralized Computing Facility (1 copy), Receptionist (1 copy), Telephone Operator (1 copy), Secretary MUASA (1 copy), Superintendent, Post-Graduate Section (2 copies).

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Enclosure to Item No. 4.23

UNIVERSITY OF MUMBAI

T.Y.B.A. PAPER NO.V

AGRICULTURE AND ALLIED ACTIVITIES

SECTION – I

1. Agriculture :-

- i) Definition – Nature-Scope-Significance
- ii) Types of Agriculture-Traditional Modern and Natural farming; irrigated and Dry land farming.
- iii) Agricultural Productivity – Measures to increase agricultural productivity.
- iv) Law of Diminishing Marginal Returns.

2. Agricultural Inputs :-

- i) Irrigation – Importance-Sources of water-Methods of Irrigation-Watershed development as means of soil and water conservation.
- ii) Fertilizers-Organic fertilizers-Chemical fertilizers
- iii) Pesticides and insecticides as Preventive and Curative measures to crop diseases.
- iv) Equipments for agricultural operations-Traditional and Modern.

3. Problems of Cultivable Land and remedial measures:-

- i) Problem of Khar land – Alkali and Acidic causes and uncauses.
- ii) Water logging-causes and uncauses
- iii) Desertification- causes and uncauses
- iv) Drought prone area- causes and uncauses.

SECTION – II

4. Horticulture and Forestry :-

- i) Horticulture : Concept, techniques, significance and measures to promote horticulture.
- ii) Forestry : Concept, types, utility, Measures to promote forestry

5. Animal Husbandry

- i) Concept-Scope-Significance-
- ii) Poultry
- iii) Dairy Development
- iv) Goat and Sheep rearing

6. Agro-Processing Industries

- i) Concept-Scope-Significance-
- ii) Fruit processing with special reference to sugarcane
- iii) Vegetable processing
- iv) Oil seeds processing

Field Work and Assignments

(Any three of the following)

- i) Visit to Agricultural Universities/Research Institutions and write report.
- ii) Participation in watershed development programme.
- iii) Participation in Social forestry programme and write report.
- iv) Visit to Horticulture Nursery and write report.
- v) Visit to Dairy processing unit and write report.
- vi) Visit to poultry Unit and write a report.

DPD-2/Kore

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ग्रामीण विकास

पेपर क्र. ५ कृषी आणि संलग्न व्यवसाय

विभाग-१

- १) कृषी :
- (i) व्याख्या, स्वरूप, व्याप्ती व महत्व.
 - (ii) कृषीचे प्रकार : पारंपारिक, आधुनिक व नैसर्गिक जलसिंचित व कोरडवाहू शेती.
 - (iii) कृषी उत्पादकता : संकल्पना, उत्पादकता वाढविण्याचे उपाय,
 - (iv) घटत्या सिमांत उत्पादन फलाचा नियम

२) शेतीची आदने :

- (i) सिंचन - महत्व पध्दती, पाणलोट क्षेत्र विकास मृदा व संवर्धनाचे माध्यम.
- (ii) जंतूनाशके व किटकनाशके आणि पीकांवरील रोगांविषयी उपाययोजना.
- (iii) कृषीची अवजारे- पारंपारिक व आधुनिक/सुधारित

३) लागवड योग्य जमीनीच्या समस्या व त्यावरील उपाय योजना :-

- (i) खारजमीनीची समस्या- आम्ल-विम्ल कारणे व उपाययोजना.
- (ii) दलदल जमीनीची समस्या व उपाययोजना.
- (iii) जमीनीचे वाळवंटीकरण-कारणे व उपाययोजना.
- (iv) आवर्षण प्रवण क्षेत्र-कारणे आणि उपाययोजना.

विभाग २

४) फलोद्यान व वनीकरण :-

- (i) फलोद्यान संकल्पना, उपयुक्तता व प्रसारासाठीच्या उपाययोजना.
- (ii) वनीकरण- प्रकार, उपयुक्तता आणि वनसंवर्धनासाठीच्या उपाययोजना.

५) पशुसंवर्धन :-

- (i) संकल्पना-व्याप्ती-महत्त्व
- (ii) कुक्कुटपालन
- (iii) दुग्धव्यवसाय
- (iv) शेळी व मेंढीपालन

६) कृषी प्रक्रिया उपयोग :-

- (i) संकल्पना-व्याप्ती-महत्त्व
- (ii) फळ प्रक्रिया- ऊसाच्या विशेष संदर्भात
- (iii) भाजीपाला प्रक्रिया
- (iv) तेलबिया प्रक्रिया

प्रात्यक्षिक कार्य

खालीलपैकी कोणतेही तीन

१. कृषी विद्यापीठ / कृषी संशोधन केंद्राला भेट देणे व भेटीचा वृत्तांत लिहिणे.
२. पाणलोट क्षेत्र विकास प्रकल्पास भेट देणे व भेटीचा वृत्तांत लिहिणे.
३. सामाजिक वनीकरण प्रकल्पात सहभाग.
४. फळबागायती रोपवाटिकेस भेट देणे व भेटीचा वृत्तांत लिहिणे.
५. दुग्धप्रक्रिया प्रकल्पास भेट देणे व भेटीचा वृत्तांत लिहिणे.
६. कुक्कुटपालन उद्योग भेट देणे व भेटीचा वृत्तांत लिहिणे.

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T.Y.B.A. Paper No. V

Agriculture and Allied Activities

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