



Marathwada Shikshan Prasarak Mandal's

Sunderrao Solanke Mahavidyalaya, Majalgaon



INTERNAL QUALITY ASSURANCE CELL

CRITERION 2 – TEACHING-LEARNING EVALUATION

2.3 Teaching-Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

**Project Guided to Students and Sample Certificates of
Project Guidance**

List of Project Work

Sr. No	Program Name	Department
1	B.A.	English
2	B.A.	Marathi
3	B.A.	Hindi
4	B.A.	History
5	B.A.	Political Science
6	B.A.	Sociology
7	B.A.	Economics
8	B.A.	Public Administration
9	B.A.	Geography
10	M.Com.	Commerce
11	M.Sc.	Chemistry
12	B.Sc.	Botany
13	B.Sc.	Zoology
14	B.Sc.	Computer Science
15	B.A., B.Sc.B.Com.	Environment Studies

S-30th May, 2015 AC after Circulars from Circular No.147 & onwards - 1 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/SU/Arts/B.A.III Yr. Syll./1/2015**

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Arts the Academic Council at its meeting held on 30-05-2015 has accepted the **Revised Syllabi under the Faculty of Arts as under :-**

Sr. No.	Name of the Subject	Semester
[1]	Marathi	V & VI
[2]	Hindi	V & VI
[3]	English	V & VI
[4]	Urdu & Arabic	V & VI
[5]	Pali and Buddhism	V & VI
[6]	Sanskrit	V & VI
[7]	Islamic Studies	V & VI

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/COMM./
2015/2605-3004
Date:- 15-06-2015.

★
★
★
★
★



Director,
Board of College and
University Development.

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned colleges,
Dr. Babasaheb Ambedkar Marathwada University

Copy to :-

- 1] The Controller of Examinations,
- 2] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 3] The Superintendent, [B.A. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Record Keeper.

S*/-150615/-

..***..

**DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY AURANGABAD**



**SYLLABUS
OF
OPTIONAL ENGLISH COURSE (SUBSIDIARY AND MAIN)
FOR
B.A. THIRD YEAR
SEMESTER FIVE AND SIX**

(EFFECTIVE FROM JUNE 2015 AND ONWARDS)

OUTLINE OF B.A. THIRD YEAR OPTIONAL ENGLISH COURSE**SEMESTER FIVE**

Paper No.	Paper Title	Paper Code	Paper Type
IX	Twentieth Century English Literature	OPE-5	Subsidiary
X	Introduction to Literary Criticism and Terms	OPE-6	Subsidiary
XI(A)	American Literature OR	OPE-7	Main
XI(B)	Indian Writing in English		
XII	Project Work on History of English Literature (from Renaissance Age to the Age of T.S. Eliot)	OPE-8	Main

SEMESTER SIX

Paper No.	Paper Title	Paper Code	Paper Type
XIII	Twentieth Century English Literature	OPE-5	Subsidiary
XIV	Introduction to Literary Criticism and Terms	OPE-6	Subsidiary
XV(A)	American Literature OR	OPE-7	Main
XV(B)	Indian Writing in English		
XVI	Project Work on History of English Literature (from Renaissance Age to the Age of T.S. Eliot)	OPE-8	Main

SYLLABUS
B.A. THIRD YEAR OPTIONAL ENGLISH COURSE
(MAIN AND SUBSIDIARY)

Semester Five and Six

The course of B.A. Third Year Optional English is grouped into two sections, one is the Subsidiary and the other is the Main. The Subsidiary English Course consists of two papers to be studied in two semesters and the Main English Course too consists of two papers to be studied in two semesters. Thus B.A. Third Year Optional English Course together with the Subsidiary and the Main comprises of four papers to be studied in Semester Five and Six. The Subsidiary group of papers is compulsory for the students and the Main group of papers is optional. Paper Nos. XII and XVI (History of English Literature) from the group Main are for the Project Work to be done and submitted by the students to the concern Department at the end of Semester Six.

AIMS OF THE COURSE:

- 1) To introduce the students to Modern English Literature as production of the age.
- 2) To familiarize the students with the literary terms and introduce to them the various streams in literary criticism and develop in them skills for literary evaluation.
- 3) To help the students to approach and appreciate Indian literature in English and make them see its place among world literature in English.
- 4) To introduce the students to American literature and its diverse cultures reflected in its writing.
- 5) To make the students able to understand the background of English literature and help them to write on its development.

UNIT THREE: FICTION

TEXT: RAJA RAO'S FICTION: **KANTHPURA** (1938)

PRESCRIBED TEXT BOOKS:

Peeradina, Saleem, Edt. *Contemporary Indian Poetry in English: An Assessment and Selection*. Macmillan India Ltd. New Delhi: 2008.

Tendulkar, Vijay. *Silence! The Court is in Session*. Trns. by Priya Adharkar. OUP. Calcutta: 1978.

Rao, Raja. *Kanthapura*. Orient Paperbacks. Delhi: 1971.

SUGGESTED CRITICAL READING:

Sing, K.K. *Indian English Poetry After Independence*. Book Enclave. Jaipur: 2012.

Gopal, N.R. and Sachar, Suman. *Indian English Poetry and Fiction: A Critical Evaluation*. Atlantic Publishers and Distributors. Delhi: 2000.

Dwivedi, Suresh C, Edt. *Perspective on Nissim Ezekiel*. Kitab Mahal. New Delhi: 1989.

Raghu, A. *The Poetry of Nissim Ezekiel*. Atlantic Publishers and Distributors. Delhi: 2002.

Narayan, Shyamala A. *Raja Rao: Man and His Work*. Sterling Publishers Pvt. Ltd. New Delhi: 1988.

Dayal, P. *Raja Rao: A Study of His Novels*. Atlantic Publishers and Distributors. New Delhi: 1991.

Dey, Esha. *The Novels of Raja Rao: The Theme of Quest*. Prestige. New Delhi: 1972.

PAPER NO.XII: PROJECT WORK ON HISTORY OF ENGLISH LITERATURE (**MAIN**) (from Renaissance Age to the Age of T.S. Eliot)

The Project Work is to be done by the students themselves seeking guidance from the head or, the concerned teacher to complete it. It shall be **written** by the students on the papers provided by the

University/ College or recommended by the teacher. The completed Project shall be submitted by them to the concerned Department during the period of the sixth semester. It carries hundred marks which will be given after the evaluation of it. The length of the project shall be moderate or, matching to its topic. The students have to do the certain tasks during the fifth semester as mentioned below.

TASK I: To know about the Project.

TASK II: To select the topic for the Project.

TASK III: To register the topic.

PRESCRIBED TEXT BOOK:

Sampson, George. *The Concise Cambridge History of English Literature*. Third Edition. Cambridge University Press. New Delhi: 2014.

SEMESTER SIX

PAPER NO. XIII: TWENTIETH CENTURY ENGLISH LITERATURE (SUBSIDIARY)

UNIT ONE: POETRY

TEXT: W.B. YEATS'S POEMS: i) **EASTER 1916**
ii) **THE SECOND COMING**
iii) **AMONG SCHOOL CHILDREN**

UNIT TWO: DRAMA

TEXT: JOHN OSBORNE'S PLAY: **LOOK BACK IN ANGER** (first staged in 1956 & pub. in 1957)

UNIT THREE: FICTION

TEXT: KINGSLEY AMIS'S FICTION: **LUCKY JIM** (1954)

PRESCRIBED TEXTBOOKS:

Osborn, John. *Look Back in Anger. A Play in Three Acts*. Intro. by P.Sinha and Notes by Nissim Ezekiel. OUP. Bombay:1992.

SUGGESTED CRITICAL READING:

- Sing, K.K. *Indian English Poetry After Independence*. Book Enclave. Jaipur: 2012.
- Gopal, N.R. and Sachar, Suman. *Indian English Poetry and Fiction: A Critical Evaluation*. Atlantic Publishers and Distributors. Delhi: 2000.
- Vaja, Iros. *Myths in Girish Karnad's Plays: A Critical Study*. Paradise Publishers. Jaipur: 2010.
- Naik, M.K. "The Limit of Human Power: A Comparative Study of Tughlaq...". *Studies in Indian English Literature*. Sterling Publisher Pvt. Ltd. New Delhi: 1987.

PAPER NO.XVI: PROJECT WORK ON HISTORY OF ENGLISH LITERATURE (MAIN) (from Renaissance Age to the Age of T.S. Eliot)

The students have to submit their projects to the concerned teacher for assessment.

PRESCRIBED TEXT BOOK:

- Sampson, George. *The Concise Cambridge History of English Literature*. Third Edition. Cambridge University Press. New Delhi: 2014.

2nd January 2015
University Campus


Chairman
Board of Studies in English

S-30th May, 2015 AC after Circulars from Circular No.147 & onwards - 1 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/SU/Arts/B.A.III Yr. Syll./1/2015**

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Arts the Academic Council at its meeting held on 30-05-2015 has accepted the **Revised**

Syllabi under the Faculty of Arts as under :-

Sr. No.	Name of the Subject	Semester
[1]	Marathi	V & VI
[2]	Hindi	V & VI
[3]	English	V & VI
[4]	Urdu & Arabic	V & VI
[5]	Pali and Buddhism	V & VI
[6]	Sanskrit	V & VI
[7]	Islamic Studies	V & VI

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/COMM./
2015/2605-3004
Date:- 15-06-2015.

★
★
★
★
★



Director,
Board of College and
University Development.

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned colleges,
Dr. Babasaheb Ambedkar Marathwada University

Copy to :-

- 1] The Controller of Examinations,
- 2] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 3] The Superintendent, [B.A. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Record Keeper.

DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD.



Syllabus of

Marathi

B.A. III Year

Semester- V & VI

(Effective from 2015 – 2016 & onwards)

[Handwritten signature]

[Handwritten signature]
Dr. S. K. Bhandarkar

[Handwritten text]
Dear
Faculty of

[Handwritten signature]
Dr. B. N. Kurhekar

[Handwritten signature]

डॉ. सदाशिव सरकटे

अध्यक्ष-मराठी अभ्यास मंडळ

डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,
औरंगाबाद.

[Handwritten signature]

डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,औरंगाबाद

मराठी विषयाच्या अभ्यासक्रमाचा आराखडा

बी.ए.तृतीय वर्ष अभ्यासक्रमाकरिता

शैक्षणिक वर्ष जून २०१५ पासून लागू

सत्र पाचवे व सत्र सहावे

डॉ. बाबासोहब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

बी.ए.तृतीय वर्ष (सत्र - पाचवे व सहावे)

शैक्षणिक वर्ष जून २०१५ पासून लागू

सत्रनिहाय अभ्यासक्रम

सत्र ५ वे

०१. अभ्यासपत्रिका ९ वी : भारतीय साहित्यविचार
०२. अभ्यासपत्रिका १० वी : भाषाविज्ञान
०३. अभ्यासपत्रिका ११ वी : मध्ययुगीन मराठी वाङ्मयाचा इतिहास (प्रारंभ ते १६००)
०४. अभ्यासपत्रिका १२ वी : प्रकल्प कार्य भाग-१

सत्र ६ वे

०१. अभ्यासपत्रिका १३ वी : पाश्चात्य साहित्यविचार
०२. अभ्यासपत्रिका १४ वी : व्याकरण व निबंधलेखन
०३. अभ्यासपत्रिका १५ वी : मध्ययुगीन मराठी वाङ्मयाचा इतिहास (१६०१ ते १८१८)
०४. अभ्यासपत्रिका १६ वी : प्रकल्प कार्य भाग-२

टिप : उपमुख्य (Subsidiary) मराठी हा विषय घेऊन अभ्यास करणाऱ्या विद्यार्थ्यांनी पाचव्या सत्रातील अभ्यासपत्रिका क्र. ०९ व १० आणि सहाव्या सत्रातील अभ्यासपत्रिका क्र.१३ व १४ अभ्यासणे आवश्यक आहे.

डॉ. बाबासोहब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

बी.ए. तृतीय वर्ष अभ्यासक्रमाकरिता

शैक्षणिक वर्ष जून २०१५ पासून लागू

सत्र पाचवे

अभ्यासपत्रिका - १२ वी - प्रकल्प कार्य भाग ०१

उद्दिष्टे :

- १) वाचन लेखन कौशल्याचा विकास
- २) समीक्षणात्मक दृष्टीचा विकास
- ३) संशोधनात्मक दृष्टीचा विकास

अध्ययन-अध्यापन प्रक्रिया

१. लेखन कौशल्य

प्रकल्पाचे स्वरूप

१. भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र, भाषाविज्ञान इ. विषयाचे आकलन करून प्रकल्पाचे लेखन करणे.
२. संबंधित विषय शिक्षकाच्या मार्गदर्शनानुसार विषयाची निवड करणे.
३. प्रकल्प कमीत २५ व जास्तीत जास्त पृष्ठांचा ४० पृष्ठांचा टंकलिखित केलेला असावा.
४. प्रकल्प कार्य स्पायरल बाईंडिंग करून सादर करण्यात यावा.
५. प्रकल्पाचे मूल्यांकन संबंधित अध्यापकाच्या मार्गदर्शनानुसार असावे.
६. प्रकल्प कार्य पूर्ण करून दुसऱ्या सत्रात सादर करावा.

डॉ. बाबासोहब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

बी.ए.तृतीय वर्ष अभ्यासक्रमाकरिता

शैक्षणिक वर्ष जून २०१५ पासून लागू

सत्र पाचवे

अभ्यासपत्रिका - १६ वी - प्रकल्प कार्य भाग ०२

गुण- १००

उद्दिष्टे :

- १) वाचन लेखन कौशल्याचा विकास
- २) समीक्षणात्मक दृष्टीचा विकास
- ३) संशोधनात्मक दृष्टीचा विकास
- ४) सिमा भागातील व आपल्या प्रादेशिक विशेषांचा भाषिक अभ्यास व संशोधन करणे.
- ५) भाषा बोलीचे शब्दविशेष नोंदविणे.
- ६) लोकजीवनातील ओवी, लोकगीते, उखाणे, लोककथा इ.संकलन व मूल्यमापन करणे.

अध्ययन-अध्यापन प्रक्रिया

१. लेखन कौशल्य

प्रकल्पाचे स्वरूप

१. भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र, भाषाविज्ञान इ.विषयाचे आकलन करून प्रकल्पाचे लेखन करणे.
२. संबंधित विषय शिक्षकाच्या मार्गदर्शनानुसार विषयाची निवड करणे.
३. प्रकल्प कमीत कमी २५ व जास्तीत जास्त ४० पृष्ठांचा टंकलिखित केलेला असावा.
४. प्रकल्प कार्य स्पायरल बाईंडिंग करून सादर करण्यात यावा.
५. प्रकल्पाचे मूल्यांकन संबंधित अध्यापकाच्या मार्गदर्शनानुसार असावे.

डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

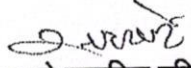
शैक्षणिक वर्ष जून - २०१५ पासून लागू

बी.ए.मराठी तृतीय वर्ष (ऐच्छिक) सत्रनिहाय अभ्यासक्रम

(अभ्यासपत्रिका क्र.९,१०,११,१३,१४ व १५ साठी प्रश्नपत्रिकेचे स्वरूप)

प्र.१ ला	दीर्घोत्तरी (दोन पैकी एक)	- १५ गुण
प्र.२ रा	दीर्घोत्तरी (दोन पैकी एक)	- १५ गुण
प्र.३ रा	लघुत्तरी (चार पैकी दोन)	- १० गुण
प्र.४ वा	टीपा लिहा (चार पैकी दोन)	- १० गुण
	एकूण	- ५० गुण

टिप : प्रकल्प कार्य भाग -०१ व ०२ (अभ्यास पत्रिका १२ व १६) साठी एकत्रित १०० गुण


डॉ.सरकटे सदाशिव हरिभाऊ
अध्यक्ष

मराठी अभ्यास मंडळ,
डॉ.बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ,
औरंगाबाद .

S-30th May, 2015 AC after Circulars from Circular No.147 & onwards

- 1 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/SU/Arts/B.A.III Yr. Syll./1/2015**

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Arts the Academic Council at its meeting held on 30-05-2015 has accepted the **Revised**

Syllabi under the Faculty of Arts as under :-

Sr. No.	Name of the Subject	Semester
[1]	Marathi	V & VI
[2]	Hindi	V & VI
[3]	English	V & VI
[4]	Urdu & Arabic	V & VI
[5]	Pali and Buddhism	V & VI
[6]	Sanskrit	V & VI
[7]	Islamic Studies	V & VI

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/COMM./
2015/2605-3004
Date:- 15-06-2015.

★
★
★
★
★



Director,
Board of College and
University Development.

Copy forwarded with compliments to:-

- 1] The Principals, affiliated concerned colleges,
Dr. Babasaheb Ambedkar Marathwada University

Copy to :-

- 1] The Controller of Examinations,
- 2] The Director, [E-Suvidha Kendra], in-front of Registrar's Quarter,
Dr. Babasaheb Ambedkar Marathwada University,
- 3] The Superintendent, [B.A. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The Record Keeper.

**DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD**



**Syllabus of
B.A.III Year
HINDI
Semester - V & VI**

(Effect from - 2015-2016 and onwards)

[Signature]
Dean
Faculty of Hindi

[Signature]
Dr. S.K. Bhandarkar
[Signature]
Dr. B. Kirshode
[Signature]

[Signature]
Dr. S. H. S. H.

बी.ए. तृतीय वर्ष

पेपर क्र. XII- प्रकल्प कार्य - १

पंचम सत्र (semester-V)

उद्देश्य :

१. पठन - लेखन कौशल का विकास
२. आलोचनात्मक क्षमता का विकास
३. अनुसंधानात्मक दृष्टि का विकास

अध्ययन - अध्यापन प्रक्रिया :

१. लेखन निर्देशन

प्रकल्प का स्वरूप :

१. भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र आदि से संबंधित विषय का चयन कर प्रकल्प लेखन किया जाए।
२. विषय चयन अध्यापक के निर्देशन में हो।
३. प्रकल्प कम से कम २५ तथा अधिक से अधिक ४० टंकित पृष्ठों का हो।
४. प्रकल्प कार्य स्पायरल बाईंडिंग करके प्रस्तुत किया जाए।
५. इसका मूल्यांकन निर्देशक अध्यापक के द्वारा किया जाए।
६. प्रकल्प १०० अंको का हो।

बी.ए. तृतीय वर्ष

पेपर क्र. XVI- प्रकल्प कार्य - २

षष्ठ सत्र (semester-VI) अंक -१००

उद्देश :

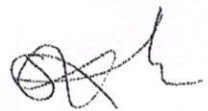
१. पठन - लेखन कौशल का विकास
२. आलोचनात्मक क्षमता का विकास
३. अनुसंधानात्मक दृष्टि का विकास

अध्ययन - अध्यापन प्रक्रिया :

१. लेखन निर्देशन

प्रकल्प का स्वरूप :

१. भाषा, साहित्य, साहित्येतिहास, साहित्यशास्त्र आदि से संबंधित विषय का चयन कर प्रकल्प लेखन किया जाए।
२. विषय चयन अध्यापक के निर्देशन में हो।
३. प्रकल्प कम से कम २५ तथा अधिक से अधिक ४० टंकित पृष्ठों का हो।
४. प्रकल्प कार्य सफायरल बाईंडिंग करके प्रस्तुत किया जाए।
५. इसका मूल्यांकन निर्देशक अध्यापक के द्वारा किया जाए।
६. प्रकल्प १०० अंकों का हो।


डॉ. सुकुमार अंजारे
अध्यक्ष
हिंदी अध्ययन अंजारे

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the revised syllabi as mentioned against their names under the Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

★
★
★
★
★


Director,
Board of College and
University Development.

HISTORY SYLLABUS FINAL

**DR.BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD**



SYLLABUS OF

Third Year

B.A. (History)

Semester Vth & VIth

(Effective From: - 2015-2016 & onwards)

HISTORY SYLLABUS FINAL.

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

SYLLABUS OF B.A.IIIrd

YEAR (HISTORY) SEMESTER SYSTEM

(Effective From: - 2015-2016)

- 1) Each Semester consist of Four papers
- 2) Each paper will be of 50 marks:
- 3) Semester-end examination will be of 90 minutes for each paper.

Paper No.	Title of the paper	Credits Allotted	Periods Allotted
SEMESTER – Vth			
9	Historiography	04	60
10	History of Indian National Movement (A.D. 1885 – A.D. 1947)	04	60
11	Women's Struggle in Modern India OR History of Modern China (A.D. 1900 – A.D.1950) OR History of India (A.D. 1757- 1885)	04	60
12	Project work	04	60
SEMESTER- VIth			
13	Fields of History (Archaeology, Museology and Tourism)	04	60
14	Landmarks in the History of modern world	04	60
15	Glimpses of the History of Marathwada OR Nationalist movements in south - East - Asia	04	60
16	Project work	04	60

NOTE:

1. One period of 50 minutes
2. 60 periods are meant for classroom teaching and Project work.

PAPER NO. 12 PROJECT WORK

The projects should be based on the following topics –

- 1) Forts
- 2) Caves
- 3) Historical Monuments.
- 4) Saints.
- 5) museums.
- 6) Religious Traditions.
- 7) Local History.
- 8) Late Prominent Leaders.
- 9) Social Workers.
- 10) Social Movements at Taluka or District Level.
- 11) Inscriptions.
- 12) Women Movements at Taluka or District Level.
- 13) Peasant Movement.
- 14) Labour Movement.
- 15) Hyderabad Freedom Struggle.
- 16) Temples (Art & Architecture.
- 17) Archives.
- 18) Archaeology Sites.
- 19) Epigraphy (Coin Study).
- 20) Prominent Historians.
- 21) Reporting of the Lectures Series arranged in college.

1. 60 periods are meant for classroom teaching and Project work.

PAPER NO. 16 PROJECT WORK

Total Mark – 100
Project weighting – 80
Presentation - 20

- 1. 60 periods are meant for classroom teaching and Project work.**

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the revised syllabi as mentioned against their names under the Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

★
★
★
★
★


Director,
Board of College and
University Development.

B.A. III Year (Semester V & VI)

Paper No.:----- Project work

For All Students offering Main subject (With and without Practical)

Project Report 80 marks, presentation 20 marks Total- 100

Project evaluation will be done by external and internal examiners at the end of VIth semester Examination. Evaluation of project work and presentation examination will be done in the presence of external examiner appointed by university authority.

32 (5) committee of concerned subjects will appoint the external examiners for evaluation and presentation of project work. Schedule of project work of examination will be in the month of Feb. (at the end of VIth semester).

Rs. 10/- per candidate per examiner will be the remuneration along with T.A. D.A./ Local conveyance Allowance to be paid by University.

Passing criteria will be 40 marks out of 100.

Project work outline

1. The concern subject teacher should provide outline of the project work to the students.
2. The concern subject teacher should allot the topic of project work separately to each student.
3. Outline of the project work is as follows
 - i. Title of the project
 - ii. Introduction
 - iii. Objectives
 - iv. Importance of the topic
 - v. Analysis and discussion
 - vi. Conclusion
 - vii. References

4. Written work of Project should be around ^{40 to 50} 40 to 50 pages in own hand written along with certification by concerned Lecturer and head of the department.

5. University should provide blank project work book to the colleges.

6. Workload of Project work should be 4 hours per week.

4 30 20

4

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the revised syllabi as mentioned against their names under the

Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

★
★
★
★
★


Director,
Board of College and
University Development.

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

B.A. III YEAR

Sociology

Semester-V & VI

[Effective from 2015-16 & onwards]

*E. B. 24/4/2015
Chairman - COS - Sociology*

Sociology BATY 2015

- 2 -

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. (M.S.)

Sociology
B.A. Third Year (effective from 2015-2016)
Semester V

Paper IX - Sociological Traditions
Paper X - Introduction to Research Methodology
Paper XI - Social Problems in India
OR
Urban Sociology
Paper XII - Practical

Semester VI

Paper XIII -- Sociological Theories
Paper XIV- Social Research Methods
Paper XV - Social Disorganization in Contemporary India
OR
Urban Society in India
Paper XI - Practical

B.A. Third Year -Sociology
Semester V

- Paper IX - Sociological Traditions
Paper X - Introduction to Research Methodology
Paper XI - Social Problems in India

OR

Urban Sociology

Paper XII Practical

B.A. III Year (Semester V & VI)

Paper No.:-

Project work

For All Students offering Main subject (With and without Practical)

Project Report 80 marks, presentation 20 marks Total- 100

Project evaluation will be done by external and internal examiners at the end of VIth semester Examination. Evaluation of project work and presentation examination will be done in the presence of external examiner appointed by university authority.

32 (5) committee of concerned subjects will appoint the external examiners for evaluation and presentation of project work. Schedule of project work of examination will be in the month of Feb. (at the end of VIth semester).

Rs. 10/- per candidate per examiner will be the remuneration along with T.A. D.A./ Local conveyance Allowance will be paid by University.

Passing criteria will be 40 marks out of 100.

Project work outline

1. The concern subject teacher should provide outline of the project work to the students.
2. The concern subject teacher should allot the topic of project work separately to each student.
3. Outline of the project work is as follows

- i. Title of the project
- ii. Introduction
- iii. Objectives
- iv. Importance of the topic
- v. Analysis and discussion
- vi. Conclusion
- vii. References

4. Written work of Project should be around ^{40 to 50} ~~40 to 50~~ pages in own hand written along with certification by concerned Lecturer and head of the department.

5. University should provide blank project work book to the colleges.

6. workload of project work should be 4 ~~hours~~ ^{per week} per week.

4

4 30 20

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the revised syllabi as mentioned against their names under the Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

★
★
★
★
★



Director,
Board of College and
University Development.

Dr. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD



Revised Syllabus of
Economics
B.A - Third Year
SEMESTER – V and VI

[Progressively Effect from 2015-16 & onwards]


Dr. Deleep Arjune
B.O.S. Chairman in
Economics

Revised Structure of Syllabus and Papers
for
ECONOMICS
Syllabus of B.A. Third Year
Semester System

A] 50 marks for each paper.


B] Semester-Wise examination will be of 120 minutes for each paper.

Paper No.	Title of the Paper	Credit Allotted	Periods	Marks
<i>Semester – Fifth</i>				
Eco -109	International Economics (Compulsory)	04	60	50
Eco -110	Agricultural Economics (Compulsory)	04	60	50
Eco – 111	History of Economic Thought (Optional) OR	04	60	50
Eco -111(A)	Mathematical Economics OR	04	60	50
Eco- 111(B)	Labour Economics	04	60	50
Eco – 112	Project Works (Annually)	04	60	--

Paper No.	Title of the Paper	Credit Allotted	Periods	Marks
	<i>Semester – Sixth</i>			
Eco – 113	Research Methodology OR	04	60	50
Eco-113 (A)	Regional Economics			
Eco – 114	Industrial Economics OR	04	60	50
Eco- 114 (A)	Foreign Trade and International Institutions	04	60	50
Eco – 115	Indian Economic Thinker OR	04	60	50
Eco – 115 (A)	Economic Thoughts of Dr. B.R. Ambedkar and Mahatma Phule	04	60	50
Eco- 115(B)	Econometrics OR	04	60	50
Eco- 115 (C)	Economy of Maharashtra			
Eco – 116	Project Work (Annual Assessment)	04	60	100

Note:

- 1] One period of 50 minutes.
- 2] 15 periods = 01 credit
- 3] 04 credits = 60 periods
- 4] Each paper is comprised of 04 credits.


[Dr. Arjune Dilip]
 Chairman
 Board of Studies in Economics
 Dr. Babasaheb Ambedkar
 Marathwada University, Aurangabad

- Ramaswamy, E.A. and U. Ramaswamy (1978), Industrial Relation in India, MacMillan, Delhi.
- Kannapon, S. (1983), Employment Problems and Urban Labour Markets in Developing Countries, University of Michigan, Ann Arbor.
- Despande L.K. and J. C. Sandesara, (Eds.), (1990), Wage Policy and Wages Determination in India, Bombay University Press, Mumbai.
- Puneekar, S.D. (1978), Labour Welfare, Trade Unionism and Industrial Relations, Himalaya Publishing House, Mumbai.

ECO – 112 Project Work (Annually)

Objectives: This course will inform students about the project writings skill as per the study of research methodology techniques. It's also deals with the deep study of specific topic.

Note: **Teacher should work as per the following guidelines:**

1. The concern subject teacher should provide outline of the project work to the students.
2. The concern subject teacher should allot the topic of project work separately to each student.
3. The concern teacher should be guidance to the students regarding How to prepare project work in regular period activity in this semester. Project evaluation will be done by external and internal examiners at the end of VIth semester Examination.
3. Outline of the Project Work is as follows:
 - i) Title of the Project
 - ii) Introduction
 - iv) Importance of the topic
 - iii) Objectives
 - v) Research Methodology
 - vi) Analysis and Discussion
 - vii) Conclusion
 - viii) References
4. Written work of Project should be around 40 to 50 pages in own hand written along with certificate by concerned teacher and Head of the Department.
5. Workload of Project Work should be 04 periods per week.

ECO- 116 Project Work (Annual Assessment)

Objectives: This course will inform students about the project writings skill as per the study of research methodology techniques. It's also deals with the deep study of specific topic.

Note:

1. The evaluation of completed project works and presentation examination will be done in the presence of external examiner appointed by University Authority. Scheme of marking will be done as per the following manner.
 - A) Project Report : 80 marks
 - B) Presentation : 20 marks
 2. Schedule of project work of examination will be in the month of February (at the end of VIth semester).
 3. Passing criteria will be 40 marks out of 100 marks.
-

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the revised syllabi as mentioned against their names under the Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

★
★
★
★
★


Director,
Board of College and
University Development.

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Syllabus of

B.A. III YEAR

Public Administration

Semester-V & VI

[Effective from 2015-16 & onwards]

[Signature]
(Dr. Sushil Thombare)

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Syllabus of B.A. Third Year

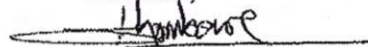
Semester Vth & VIth

(Effective From-June 2015-2016)

Revised Syllabus- Effective From 2015-2016

Paper No.	Title of the Paper	Periods Allotted	Marks
Semester Vth			
PA-109 (IX)	Human Resource Development	60	50
PA-110 (X)	Educational Administration in India	60	50
PA-111 (XI)	Administrative Thinkers	60	50
PA-112(XII)	Project Work	-	-
Semester VIth			
PA-113(XIII)	Public Policy and Development	60	50
PA-114 (XIV)	Health Administration in India	60	50
PA-115 (XV)	Recent Trends in Public Administration & Important Laws	60	50
PA-116 (XVI)	Project Work 1. Administrative Corruption 2. People's Participation 3. Women Empowerment 4. Swachh Bharat Abhiyan 5. Regional Imbalance & Development 6. Disaster Management 7. Visits to Administrative Offices 8. Good Governance 9. Student Absenteeism in classes 10. Health Problems 11. Water Problems 12. Global Warming		Project Writing- 80 Oral Exam-20

Chairman,


(Dr. Satish Thombre)

B.O.S., Public Administration,

Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
Syllabus of B.A. Third Year
Vth Semester
(Effective From-June 2015-2016)

Vth Semester

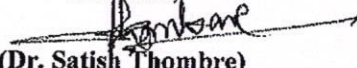
PA-109 (IX)- Human Resource Development

PA-110 (X)- Educational Administration in India

PA-111 (XI)- Administrative Thinkers

PA-112 (XII)- Project Work

Chairman,


(Dr. Satish Thombre)

B.O.S., Public Administration,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad.

Public Administration
B.A Third Year
Semester VIth
(Effective From-June 2015-16)

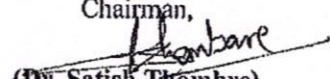
PA- 116

Paper- XVI

Project Work

Paper No.	Title of the Paper	Periods Allotted	Marks
PA-116 (XVI)	Project Work 1. Administrative Corruption 2. Peoples Participation 3. Women Empowerment 4. Swacch Bharat Abhiyan 5. Regional Imbalance & Development 6. Disaster Management 7. Visits to Administrative Offices 8. Good Governance 9. Student Absenteeism in classes 10. Health Problems 11. Water Problems 12. Global Warming	120	100 Project Writing- 80 Oral Exam-20

Chairman,


(Dr. Satish Thombre)

B.O.S., Public Administration,
Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad.

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 3 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO.ACAD/SU/Social Sci./B.A.III Yr. Syll./3/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Social Sciences the Academic Council at its meeting held on 30-05-2015 has accepted the revised syllabi as mentioned against their names under the

Faculty of Social Sciences as under :-

Sr. No.	Name of the Subject	Semester
[1]	History	V & VI
[2]	Economics	V & VI
[3]	Psychology	V & VI
[4]	Geography	V & VI
[5]	Sociology	V & VI
[6]	Home Science	V & VI
[7]	Political Science	V & VI
[8]	Public Administration	V & VI
[9]	Social Work	V & VI
[10]	Philosophy	V & VI
[11]	Military Science	V & VI
[12]	Library & Information Science	I to VI Progressively
[13]	B.A. Travel and Tourism Management [Optional]	I to VI Progressively
[14]	Thoughts of Mahatma Phule & Dr. Ambedkar	V & VI effective from 2016-2017 & onwards

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SOCIAL SCI./
2015/3310-709

Date:- 16-06-2015.

★
★
★
★
★


Director,
Board of College and
University Development.

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY, AURANGABAD**



Revised Syllabus of

B.A. Third Year - Geography

**Semester-V & VI
(Choice Based Credit System)**

[Effective from 2015-16 onwards]

*1/2/2015
28/4/15*

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad**

GEOGRAPHY

Curriculum Structure and Scheme of Evaluation for B.A. III
With effective from 2015-16

SEMESTER VI – MAIN

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Pract./ Viva-voce	Total Marks
1	GEO 117	Geo. XVII	Bio-geography	4	--	4	4	30	--	30
Total Semester VI (Main)				4	--	4	4	30	--	30

Annual Practical - SEMESTER V & VI – MAIN

Sr. No.	Paper Code	Paper No.	Name of Paper	Scheme of Teaching (Periods / Week)				Scheme of Evaluation		
				L	P	Total Credits	Theory	Theory	Pract./ Viva-voce	Total Marks
1	GEO 118	XVIII	Practical (MAIN)	-	4	4	--	-	40	40
	GEO 119	Geo. Prct. XIX	Project Work (MAIN) (Practical)	-	4	4	--	-	100	100
Total					8	8	-	-	140	140

- Total period per theory paper, per week -4
- Practical having 4 period per week
- Practical batch – one batch of 20 students

B.A. III Year
Project Work
Paper - XIX (MAIN - Practical)

Marks - 100

- * **Report writing - 80 Marks**
- * **Presentation - 20 Marks**

Candidates will be required to prepare a project report on any **one** topic. The topic for project may be selected from the list of suggested assignments given below or candidate can also take up a project of his / her choice in consultation with teachers of the department of geography, but the selection of the project must be related to the geographical or environmental topic / issues.

Topics / Issues for project:

- 1) Physical features related to the local level such as drainage pattern, slope analysis, soil and rocks type. Physiography of the region.
- 2) Impact of climate on agriculture, Vegetation, Biotic resources, Occupation and food habits of selected area.
- 3) Resources of selected area - agriculture, water, energy, minerals, soil, vegetation, biotic resources.
- 4) Social, economical, demographical, occupational, cultural, historical study of the selected area.
- 5) Environmental study of the selected area - Environmental degradation, sources of pollution of water bodies in the locality and determine the quality of water, sources of air pollution and quality of air, sources of land pollution and soil quality, sources of noise pollution and its consequences.
- 6) Study of disasters like earthquake, draughts, floods, landslides, cyclones, famines, hailstones.
- 7) Agriculture - Landuse pattern, crop combination, crop concentration and diversification, cropping pattern, agricultural production and productivity, any other issues related with agriculture.
- 8) Urban planning and landuse management, urban morphology, urban growth, CBD, functional classification of town, problems of urban development, rural settlement site and structure, features of rural settlements.
- 9) Distribution of diseases, availability of health facilities, geographical / social / economic / environmental factors affecting human health and diseases arising from them.
- 10) Transportation Network & Connectivity, availability of means of transportation, number of various types of vehicles, transportation system and local development, accessibility & flowchart, transportations and frequency of accidents.

Report writing should be as per the following guidelines

- 1) *Suitable title of the project.*
- 2) *Introduction*
- 3) *Study area*
- 4) *Significance of the project.*
- 5) *Objectives of the project.*
- 6) *Project methodology. (Collection of primary / secondary data, relevant statistical techniques, preparation of questionnaire, schedule maps, graphs, diagrams & photos, analysis, interpretation and report writing)*
- 7) *Chapter scheme. (Minimum 5 chapters)*
- 8) *Bibliography*

Notes:

- Each student will prepare an individual project report applying the project methodology.
- A group of maximum five students may work on same topic under the guidance of a teacher.
- The actual work of the project should be carried out throughout the year. Topic must be select after the admission to the course.
- Project report should be checked & certified by guiding teacher before final submission.
- Student should submit two hard copy (bind) and softcopy (CD) of Project report to department of geography before one month of commencement of university examinations.
- The project report will have preliminary pages such as Cover Page, Declaration by Candidate, Certificate by Guide, Acknowledgement, Contents, List of tables, maps, graphs, diagrams, photos etc.
- The soft copy (CD) of the project work should be prepared in Microsoft Word 2007, For English - font Times New Roman, font size 14, line spacing 1.5, margins - left 1.5", right-1", top -1", bottom 1", page numbers in footer, For Marathi language use APS / ISM software.
- The page count of the project report should be about 75 to 100 pages including figures, tables, maps, photographs, references, appendices, bibliography etc.
- The assessment of the project and viva-voce will be conducted in the presence of external examiner appointed by the university and the internal examiner.
- Marking scheme - Report Writing - 80 Marks (Project Content - 50 marks, follow-up of research methodology - 30 Marks), Viva-voce - 20 Marks. Total Marks - 100.

Circular file

- 76 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.SU/Commerce&Management/M.Com/05/2022**

It is hereby inform to all concerned that, on recommendation of the Faculty of Commerce & Management, in its meeting dated 06-04-2022 the Hon'ble Vice-Chancellor in his emergency powers under Section-12(7) of the Maharashtra Public Universities Act, 2016 has accepted the revised syllabus of **M.Com I and IInd year** under Choice Based Credit & Grading System on behalf of the Academic Council to be applied from the Academic Year 2022-2023 and onwards.

All concerned are requested to note the contents of this circular and bring notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.

REF.NO. SU/ COMMERCE/2022-23/

Date:- 22-07-2022.

*

*

*

*

*

*

[Signature]
Deputy Registrar,
Academic Section
Syllabus unit.

Copy forwarded with compliments to :-

- 1] **The Principals, affiliated concerned Colleges, Dr. Babasaheb Ambedkar Marathwada University.**
- 2] The Director, University Network & Information Centre, UNIC, with **a request to upload this Circular on University Website.**

Copy to :-

- 1] The Director, Board of Examination & Evaluation,
- 2] **The Section Officer, [B.Com. Unit] Examination Branch,**
- 3] The Section officer, [Eligibility Unit],
- 4] **The Programmer [Computer Unit-1] Examinations,**
- 5] **The Programmer [Computer Unit-2] Examinations,**
- 6] The In-charge, [E-Suvidha Kendra], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambekar Marathwada University.
- 7] The Public Relation Officer,
- 8] The Record Keeper.

**Dr. Babasaheb Ambedkar
Marathwada University, Aurangabad**



**Curriculum of
MASTER OF COMMERCE
(M.COM)**

Under Choice Based Credit & Grading System

[Effective from the Academic year 2022-2023]

OK
19/7/2022

M.Com Third Semester (15 Weeks Teaching)

Paper No.	Subject /Title of the paper	Course	Weekly Lectures		Credits		IA	UA	Total Marks	Duration of Theory exam
			Th	Pr	Th	Pr				
I	Research Methodology	Core	4	--	4	--	20	80	100	3 Hrs
II	Human Resource Planning & Development	Core	4	--	4	--	20	80	100	3 Hrs
III	Business Legislation	Core	4	--	4	--	20	80	100	3 Hrs
IV	International Marketing (Elective)	Elective	4	--	4	--	20	80	100	3 Hrs
V	Accounting for Managerial Decisions (Elective)	Elective	4	--	4	--	20	80	100	3 Hrs
VI	Service Course	Generic Elective	4	--	4	--	20	80	100	
	Total		20	--	20	--	120	480	600	

M.Com Fourth Semester (15 Weeks Teaching)

Paper No.	Subject /Title of the paper	Course	Weekly Lectures		Credits		IA	UA	Total Marks	Duration of Theory exam
			Th	Pr	Th	Pr				
I	Quantitative Techniques	Core	4	--	4	--	20	80	100	3 Hrs
II	Securities Analysis	Core	4	--	4	--	20	80	100	3 Hrs
III	Research Project	Core	4	--	4	--	--	100	100	Presentation
IV	Advertising & Media Management (Elective)	Elective	4	--	4	--	20	80	100	3 Hrs
V	International Business (Elective)	Elective	4	--	4	--	20	80	100	3 Hrs
	Total		20	--	16	--	100	400	500	

SUBJECT: RESEARCH PROJECT

COURSE CODE:- COM-506

The candidate must undertake the project work based on practical training in a business firm for the period of Six Weeks. The student will be guided by the Teacher (Guide). The student shall submit research project to the Head of Department before theory examination. The project will be evaluated by the external examiner and the internal examiner jointly. The assessment of the project shall be made as follows.

Project contents - 50 marks

Project Presentation - 50 marks
& Viva Voce-

**DR. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



**Curriculum under Choice Based Credit &
Grading System**

M.Sc.

Organic Chemistry

Semester-III & IV

**run at college level from the
Academic Year 2015-16 & onwards**

**Dr. Babasaheb Ambedkar Marathwada University,
Aurangabad
Department of chemistry**

Revised Syllabus

Dr. Ragh
11.06.2015

Professor & Head
Dept. of Chemistry
Babasaheb Ambedkar
Marathwada University,
Aurangabad - 431004.

M. Sc.III & IV semester Organic Chemistry.

Effective from June 2014

The following will be the structure for revised syllabus for M. Sc. Organic Chemistry III & IV semester effective from June 2014

Semester	Paper Nos.	Title of Paper	Durations (Hr)	Max. Marks	Credits
III- Semester Theory courses	CHE-313	Structural Elucidation by Spectral methods	60	50	4
	CHEO- 314	Organic Synthesis	60	50	4
	CHEO-315	Asymmetric Synthesis and Bio-Organic Chemistry	60	50	4
	CHEO-316	Photochemistry, Free Radicals And Pericyclic Reactions	60	50	4
IV semester Theory Courses	CHEO: 417	Organic Synthesis: Retrosynthetic Approach	60	50	4
	CHEO: 418	Advanced Organic and Heterocyclic Chemistry	60	50	4
	CHEO: 419	Chemistry of Natural Products	60	50	4
	CHEO: 420	Medicinal Chemistry	60	50	4
III & IV Semester Laboratory Courses	CHEO-421	Laboratory course (Organic)	135	50	4.5
	CHEO - 422	Laboratory course (Organic)	135	50	4.5
	CHEO- 423	Laboratory course (Organic)	135	50	4.5
	CHEO- 424	Project work (Organic)	135	50	4.5

**Organic Chemistry
LABORATORY COURSES**

CHEO-421 **Duration: 4.5 Hrs/Week** **Credits: 4.5**

Qualitative analysis of ternary mixtures.

In a mixture at least one liquid, one water soluble compound be given.

CHEO-422 **Duration: 4.5 Hrs/Week** **Credits: 4.5**

Organic multistep preparations.

Preparations involving at least two stage based on name reactions, condensations, cyclocondensations, reagents and rearrangements (as covered under the theory). Separation, purification of the product by column is desired.

CHEO-423 **Duration: 4.5 Hrs/Week** **Credits: 4.5**

- (A) Preparations involving one stage based upon the green synthetic protocols (as covered in theory syllabus).
- (B) Structure elucidation of organic compounds by spectral analyses.

CHEO-424 **Duration: 4.5 Hrs/Week** **Credits: 4.5**

Project work: Dissertation be prepared and should contain literature survey, aim, scope of the project, experimental details and concluding discussions.

Reference Books:

1. Textbook of Practical Organic Chemistry: Vogel
2. Organic Synthesis Collective Volumes: Blatt
3. Research Periodicals including internet services.

S-29 Nov., 2013 AC after Circulars from Circular No.55 & onwards

- 41 -

डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद**परिपत्रक क्रमांक/एस.यू./विज्ञान/अभ्यासक्रम/७४/२०१४**

या परिपत्रकाद्वारे सर्व संबंधितांना सुचित करण्यात येते की, विज्ञान विद्याशाखेने शिफारस केल्यानुसार बी. एस्सी. / एम. एस्सी. प्रथम व द्वितीय वर्षाच्या सुधारित अभ्यासक्रमास आणि बी. एस्सी. प्रथम वर्षाच्या अभ्यासक्रमात किरकोळ बदल करण्यास विद्यापरिषदेच्या वतीने मा. कुलगुरु यांनी, त्यांना प्राप्त असलेल्या विशेष अधिकार महाराष्ट्र विद्यापीठ अधिनियम-१९९४ कलम १४(७) अन्वये मान्यता दिलेली आहे. त्या अनुषंगाने सुधारीत तयार केलेल्या अभ्यासक्रमाची प्रत या परिपत्रकासोबत आपल्या पुढील कार्यवाहीसाठी पाठविण्यात येत आहे.

[1]	B.Sc. Physics	Semester-III & IV,
[2]	B.Sc. Chemistry	Semester-III & IV,
[3]	B.Sc. Botany	Semester-III & IV,
[4]	B.Sc. Zoology with minor changes	Semester-I & II,
[5]	B.Sc. Zoology	Semester-III & IV,
[6]	B.Sc. Fisheries	Semester-III & IV,
[7]	B.Sc. Electronics (Opt.)	Semester-III & IV,
[8]	B.A./B.Sc. Mathematics	Semester-III & IV,
[9]	B.Sc. Computer Science	Semester-I & II,
[10]	B.Sc. Information Technology	Semester-I & II,
[11]	B.C.A.	Semester-I & II,
[12]	B.Sc. Computer Science(Opt.)	Semester-I & II,
[13]	B.Sc. Information Technology(Opt.)	Semester-I & II,
[14]	B.Sc. Computer Application(Opt.)	Semester-I & II,
[15]	B.Sc. Computer Maintenance(Opt.)	Semester-I & II,
[16]	B.Sc. Biotechnology (Progressively)	Semester-I to VI,
[17]	B.Sc. Biotechnology (Opt.) (Progressively)	Semester-I to IV,
[18]	B.Sc. Sericulture Technology	Semester-I & II,
[19]	B.Sc. Networking Multimedia	Semester-III & IV,
[20]	B.Sc. Bioinformatics	Semester-I & II,
[21]	B.Sc. Hardware & Networking	Semester-I & II,
[22]	B.Sc. Animation	Semester-I & II,
[23]	B.Sc. Dairy Science & Technology	Semester-III & IV,
[24]	B.Sc. Biochemistry	Semester-III & IV,
[25]	B.Sc. Analytical Chemistry	Semester-III & IV,
[26]	B.Sc. Textile & Int. Decoration with minor changes	Semester-I & II,
[27]	B.Sc. Textile & Int. Decoration	Semester-III & IV,
[28]	B.Sc. Home Science with minor changes	Semester-I & II,
[29]	B.Sc. Home Science	Semester-III & IV,
[30]	B.Sc. Agro.Chem. & Fertilizers	Semester-III & IV,

S-29 Nov., 2013 AC after Circulars from Circular No.55 & onwards

- 42 -

:: [2] ::

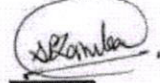
[31]	B.Sc. Geology	Semester-III & IV,
[32]	B.A. Statistics with minor changes	Semester-I & II,
[33]	B.A. Statistics	Semester-III & IV,
[34]	B.Sc. Statistics with minor changes	Semester-I & II,
[35]	B.Sc. Statistics	Semester-III & IV,
[36]	B.Sc. Industrial Chemistry	Semester-III & IV,
[37]	B.Sc. Horticultural	Semester-I & II,
[38]	B.Sc. Dry land Agriculture	Semester-I & II,
[39]	B.Sc. Microbiology	Semester-III & IV,
[40]	M.Sc. Computer Science	Semester-I to IV,
[41]	M.Sc. Information Technology	Semester-I to IV.

हा सुधारीत व नवीन तयार केलेल्या अभ्यासक्रमाचा आराखडा शैक्षणिक वर्ष २०१४-१५ करिता मर्यादित असेल व विद्यापरिषदेच्या अंतिम मान्यतेनंतर हे परिपत्रक नियमित ठेवण्याबाबत या कार्यालयाद्वारे नवीन परिपत्रक पारीत करण्यात येईल. तसेच सुधारीत व नवीन तयार केलेल्या अभ्यासक्रमाची प्रत विद्यापीठाच्या संकेतस्थळावर उपलब्ध आहे.

करिता, या परिपत्रकाची सर्व संबंधितांनी नोंद घ्यावी.

विद्यापीठ प्रांगण,
औरंगाबाद-४३१ ००४.
संदर्भ क्र.एस.यु./सा.शा./सबवि /२०१३-१४/
६५९९-७०२
दिनांक :- २७-०५-२०१४.

}}
}}
}}
}}
}}

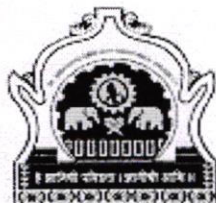

संचालक,
महाविद्यालये व विद्यापीठ
विकास मंडळ.

या परिपत्रकाची एक प्रत :-

- १) मा. परिक्षा नियंत्रक, परिक्षा विभाग,
 - २) मा. प्राचार्य, सर्व संलग्नीत महाविद्यालये,
 - ३) संचालक, युनिक यांना विनंती करण्यात येते की, सदरील अभ्यासक्रम विद्यापीठाच्या संकेतस्थळावर उपलब्ध करुण देण्यात यावेत.
 - ४) संचालक, ई-सुविधा केंद्र, विद्यापीठ परिसर,
 - ५) जनसंपर्क अधिकारी, मुख्य प्रशासकीय इमारत,
 - ६) कक्ष अधिकारी, पात्रता विभाग, मुख्य प्रशासकीय इमारत,
 - ७) कक्ष अधिकारी, बी.ए. / बी.एस्सी./ बी.सी.एस./एम.एस्सी. विभाग, परीक्षा भवन,
 - ८) अभिलेख विभाग, मुख्य प्रशासकीय इमारती मागे,
- डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

..***..

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD.



REVISED SYLLABUS

OF

B.Sc. Botany
SECOND YEAR
[Optional]

Third & Fourth Semester

[Effective for - June, 2014-15]

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD

Faculty Of Science

B. Sc. II YEAR SYLLABUS**Subject -BOTANY****Semester –III and IV**

	Paper No	Title of Paper	Lectures	Marks
B. Sc. II	Semester- III			
	VII	Taxonomy of Angiosperms	45	50
	VIII	Plant Ecology	45	50
	IX	Practical based on Paper - VII	45	50
	X	Practical based on Paper - VIII	45	50
	SEMESTER – IV			
	XI	Gymnosperms and Utilization of plants	45	50
	XII	Plant Physiology	45	50
	XIII	Practical based on Paper - XI	45	50
	XIV	Practical based on Paper - XII	45	50

Effective From – Academic year -2014-15

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD

Faculty Of Science

B.Sc. II YEAR (Practical)

Semester -III

Paper- IX

Taxonomy of Angiosperms

(Based on Paper- VII)

45 L

Angiosperms:

Study of locally available plants of the following families :

1. Annonaceae
2. Malvaceae
3. Leguminosae
 - a) Fabaceae (Papilionaceae)
 - b) Caesalpiniaceae
 - c) Mimosaceae
4. Apocynaceae
5. Solanaceae
6. Acanthaceae
7. Lamiaceae (Labiatae)
8. Nyctaginaceae
9. Liliaceae
10. Poaceae (Gramineae)

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD

Faculty Of Science

B. Sc. II year (Practical)

Semester - III

Paper - X

Plant Ecology

(Based on Paper no –VIII)

45 L

1. Study of morphological and anatomical adaptations in hydrophytes – *Hydrilla*, *Eichhornia*, *Typha* and *Nymphaea* .
2. Study of morphological and anatomical adaptations in xerophytes -*Aloe*, *Nerium*, *Casuarina*.
3. Study of morphological adaptations in halophytes -Pneumatophore, Stilt roots.
4. Study of morphological and anatomical adaptations in epiphytes.
5. Study of vegetation by quadrat method.
6. Estimation of Importance Value Index (IVI) of grassland ecosystem on the basis of relative frequency, relative density and relative abundance.
7. Determination of water holding capacity of different soils.
8. Study of meteorological instruments -Rain gauge, Hygrometer, Barometer.
9. Determination of percent leaf area injury of different infected leaf samples.
10. Estimation of salinity of different water samples.
11. Determination of pH of different soils by pH papers/universal indicator/pH meter.

Note for paper IX and X:

Candidate shall submit the following at the time of **practical exams**: Certified laboratory record book, Field note book, Tour report and Collection of specimens. In addition to number of practicals prescribed above, the students are required to undertake field excursions to the places of botanical interest and industrial places under the guidance of teachers. Collection of rare flowering and non flowering plants should be avoided during excursion. There shall be frequent study tours in local areas. T.A. and D.A. be paid to the teachers, peons and field collectors as per university rules. The record book is to be signed periodically by teacher in charge and certified by the Head of Department at the end of the term. Candidate should not be allowed to appear for practical examination without a certified record book or a certificate from the Head of Department.

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD

Faculty Of Science

B.Sc. II year (Practical)

Semester -IV

Paper -XIII

Gymnosperms and Utilization of plants

(Based on paper no - XI)

45L

Gymnosperms:

a) *Cycas*

- i. Habit, young leaf, bulbils, male cone, microsporophyll, megasporophyll, pollen grains, mature seed.
- ii. Study through permanent slides-Normal root (T.S.). Stem (T.S.), Ovule (L.S.).
- iii. Study through hand section-Coralloid root (T.S.), Rachis (T.S.), Leaflet (T.S.).

b) *Pinus*

- i. Habit, long and dwarf shoot, scale leaves, foliage leaves, male cone, female cone, pollen grains (W.M.), winged seed.
- ii. Study through hand sections and permanent slides Root (T.S.), Stem (T.S.), Needle (T.S.).
- iii. Study through permanent slide - T.L.S. & R.L.S. of stem, L.S. of male cone, L.S. of female cone.

c) *Gnetum*

- i) Habit, T. S. of Stem, Male cone and female cone.

Paleobotany:

- a) Types of fossils (Specimens).
- b) *Lygynopteris* (Specimen / Permanent slide).

Utilization of plants :

- a) Food plants – Study of the morphology, structure, and histochemical tests of food storing tissue in Jowar & Wheat.
- b) Histochemical test of lignin and cellulose.
- c) Cultivation of Oyster (*Pleurotus*) mushroom on agricultural waste.
- d) Vegetable oils – hand section of Groundnut & Sunflower Seed and staining of oil droplets by Sudan III.
- e) Study of the sources of Timber, Gum, Medicinal plants, Cosmetics and Perfumes.
- f) Study of Black pepper, Clove, Cinnamon, Cumin, Coriander.
- f) Field notebook, specimen collection, and tour report.

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD

Faculty Of Science

B.Sc. II year (Practical)

Semester -IV

Paper- XIV

Plant Physiology

(Based on paper no. -XII)

45L

1. Osmosis by egg membrane and potato osmoscope.
2. Plasmolysis in *Tradescantia* leaves.
3. Effect of different conc. of organic solvents on membrane permeability.
4. Determination of water potential of any tuber.
5. Detection of mineral elements in plant ash.
6. Digestion of starch by amylase.
7. Detection of enzyme activity : oxidase, peroxidase, catalase and dehydrogenase.
8. Separation of chloroplast pigments by paper chromatography.
9. Demonstration of Hill reaction.
10. Effect of different intensities of light on photosynthesis.
11. Effect of different colors of light on photosynthesis.
12. Fermentation by Kuhnes fermentation vessel.
13. Isolation of starch.
14. Isolation of pectin.
15. Estimation of total and reducing sugars in fruit juice by Fehling solution.
16. Separation of amino acids by paper chromatography.
17. Effect of IAA and Gibberellins on seed germination.

Note for paper XI and XII

Candidate shall submit the following at the time of practical examination: Certified laboratory record book. Field report , Tour report. and Collection of specimens. In addition to number of practicals prescribed above, the students are required to undertake field excursions to the places of botanical interest and industrial places under the guidance of teachers. Collection of rare flowering and non flowering plants should be avoided during excursion. There shall be frequent study tours in local areas. T.A. and D.A. be paid to the teachers, peons and field collectors as per university rules. The record book is to be signed periodically by teacher in charge and certified by the Head of the Department at the end of the term. Candidate should not be allowed to appear for practical examination without a certified record book or a certificate from the Head of the Department.

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,AURANGABAD

Faculty of Science

Practical Examination

B.Sc. II YEAR (BOTANY)

Semester- IV

Paper -IX and XIII

(Taxonomy of Angiosperm, Gymnosperms and Utilization of plants)

Time: 09.00 A.M. to 01.00 P.M.

Marks: 100

Date: _____ Batch No. _____

Center: _____

-
- Q.1. Identify, classify giving reasons and describe the specimen "A" 20
Give floral formula and floral diagram.
- Q.2. Make a double stained permanent preparation of the given specimen 'B'
(Gymnosperm). Identify and describe with a well labeled diagram. 20
- Q.3. Perform Micro chemical test in given material "C"
(Protein / Carbohydrate /Lipid / cellulose / Lignin) 10
- Q.4. Identify and describe the specimen D, E , F, G and H as per the instructions 25
(D and E- Angiosperms, F- Gymnosperms, G- and H- Utilization of plants)
- Q.5. Submission: 10
- a) Record book,
- b) Permanent slides and collection, field notebook/Tour report 10
- c) Viva - voce and collection 05

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards - 6 -
DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY
CIRCULAR NO.ACAD/SU/Sci./B.Sc. & M.Sc. Syll./5/2015

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Science the Academic Council at its meeting held on 30-05-2015 has accepted the **revised semester-wise syllabi as mentioned against their names in the Faculty of Science as under :-**

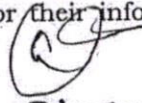
Sr. No.	Name of the Subject	Semester
[1]	B.Sc. Computer Science Degree Course	III & IV
[2]	B.Sc. Information Technology Degree Course	III & IV
[3]	B.C.A. Science Degree Course	III & IV
[4]	B.Sc. Animation Degree Course	III & IV
[5]	B.Sc. Bioinformatics Degree Course	III & IV
[6]	B.Sc. Computer Science [Optional]	III & IV
[7]	B.Sc. Information Technology [Optional]	III & IV
[8]	B.Sc. Computer Applications [Optional]	III & IV
[9]	B.Sc. Computer Maintenance [Optional]	III & IV
[10]	B.Sc. Environmental Science [Optional]	V & VI
[11]	B.Sc. Bio-Chemistry [Optional]	V & VI
[12]	B.Sc. Forensic Science Degree Course	V & VI
[13]	B.Sc. Industrial Chemistry [Optional]	V & VI
[14]	B.Sc. Electronics [Optional]	V & VI
[15]	B.Sc. Zoology [Optional]	V & VI
[16]	B.Sc. Microbiology [Optional]	V & VI
[17]	B.Sc. Instrumentation Practice [Optional]	V & VI
[18]	B.Sc. Statistics [Optional]	V & VI
[19]	B.A. Statistics [Optional]	V & VI
[20]	B.A. / B.Sc. Mathematics [Optional]	V & VI
[21]	B.Sc. Home Science Degree Course	V & VI
[22]	B.Sc. Textile Interior Decoration Degree Course	V & VI
[23]	B.Sc. Fishery Science [Optional]	V & VI
[24]	B.Sc. Dairy Science & Technology [Optional]	V & VI
[25]	B.Sc. Botany [Optional]	V & VI
[26]	B.Sc. Physics [Optional]	V & VI
[27]	M.Sc. Computer Science	III & IV
[28]	M.Sc. I.T.	III & IV

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
 Aurangabad-431 004.
 REF.NO.ACAD/SU/Sci./
 2015/3761-4160
 Date:- 16-06-2015.

*
 *
 *
 *
 *


Director,
Board of College and
University Development.

..2..

Fifth & Sixth Semester
[Effective from - June, 2015-16 & onwards]

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD
Faculty of Science
B.Sc. III YEAR SYLLABUS
Subject- BOTANY
Semester- V AND VI

	Paper No.	Title of Paper	Lectures	Marks
		SEMESTER – V		
	XV	Cell Biology and Molecular Biology	45	50
B.Sc. III	XVI(A)	Diversity of Angiosperms - I OR	45	50
	XVI (B)	Plant Breeding and Seed Technology OR		
	XVI (C)	Plant Pathology OR Biotechnology		

XVI(D)			
XVII	Practical based on Paper - XV	45	50
XVIII	Practical based on Paper - XVI	45	50
	SEMESTER – VI		
XIX	Genetics and Biotechnology	45	50
XX (A)	Diversity of Angiosperms - II		
	OR		
XX (B)	Economic Botany		
	OR		
XX (C)	Microbiology and Disease Management	45	50
	OR		
XX (D)	Bioinformatics		
XXI	Practical based on Paper - XIX	45	50
XXII	Practical based on Paper - XX	45	50

- a. Human genome project
- b. Plant genome project
- c. DBT, Ministry of Science and Technology.

B.Sc. III Botany (Practical)

Semester -V

Paper XVII

(Cell Biology & Molecular Biology)

(45 L)

Unit-1

1. Study of the cell structure from onion leaf or *Tradescantia* leaf
2. Preparation of cytological (AA, FAA etc.) fixatives and stains
(acetocarmine, aceto-orcein).
3. Study of electron micrographs of viruses, bacteria and cyanobacteria
4. Study of electron micrographs of eukaryotic cell and different cell organelles
5. Preparation of slides for the study of mitosis (root tips of onion)
6. Preparation of slides for the study of meiosis (*Rhoeo*, *Aloe* or onion flower buds)
7. Preparation of idiogram from the given micrograph of karyotype
8. Observation of giant chromosomes in *Chironomous* larvae
9. Preparation of wool models of mitosis, meiosis, cell structure, Chromosome, DNA and RNA.

B.Sc. III Year (Practical)
Semester – V
Paper XVIII (A)
(Diversity of Angiosperms-I)

(45 L)

Unit: 1

1. Study of herbarium
2. Study of analytical characters
3. Preparation of indented and bracketed keys
4. Study of following families:
 1. Magnoliaceae
 2. Nymphaeaceae
 3. Papaveraceae
 4. Brassicaceae
 5. Capparidaceae
 6. Rutaceae,
 7. Rhamnaceae
 8. Combretaceae
 9. Lythraceae
 10. Cucurbitaceae
 11. Apiaceae,
5. Mounting of pollen grains (acetolysis method)

Note: Students should undertake excursion to ecologically different areas for plant study and submission of list and photographs of wild plants at the

time

B.Sc. III Year (Practical)
Semester – VI
Paper XXII (A)
(Diversity of Angiosperms-II)

(45 L)

1 . Study of following families:

1. Oleaceae
 2. Asclepiadaceae
 3. Convolvulaceae
 4. Scrophulariaceae
 5. Verbenaceae
 6. Amaranthaceae
 7. Euphorbiaceae
 8. Orchidaceae
 9. Liliaceae
 10. Commelinaceae
2. Mounting of pollen grains (acetolysis method) and measurement of pollen size.
 3. Study of different types of stomata and epidermal structures
(Trichome)
 4. Identification of plants up to species by using flora (Flora of Bombay
Presidency/ Flora of Marathwada)
 5. Students should undertake excursion to ecologically different areas for plant

study and submission of list and photographs of wild plants at the time of examination.

Q.5. Multiple choice question

10

- 1)(Unit 1)
- 2)(Unit 1)
- 3)(Unit 1)
- 4)(Unit 2)
- 5)(Unit 2)
- 6)(Unit 2)
- 7)(Unit 3)
- 8)(Unit 3)
- 9)(Unit 3)
- 10)(Unit 3)

DR.BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

Faculty of Science

Practical Examination

B.Sc. III YEAR (Semester – V &VI)

BOTANY

Paper XVII and XXI

Practical based on paper-XV & XIX

(Cell Biology and Molecular Biology, Genetics and Biotechnology)

Time: 09.00 a.m. to 01.00 p.m.

Max. Marks: 100

Date: _____

Batch No.

Center: _____

- Q.1. Prepare a temporary squash of the given material. Identify and describe any two stages. (Mitosis) 15
- Q.2. Prepare a smear from the given material. Identify and describe any one stage (Meiosis) 10
- Q.3 Prepare a temporary squash of the given material. Identify and describe Giant Chromosome. (chironomous larvae) 10
or
Prepare of idiogram of the given karyotype and comment.
- Q.4. Prepare a temporary preparation of given material (Cell structure / Cyclosis) 10
or
Quiz based on Cell Biology, Molecular Biology, Genetic and Biotechnology (Any ten)
- Q.5. Problem based on interaction of gene. 15
- Q.6. Problem based on sex linked inheritance. 15
- Q.7. Submission
- a) Record book, 10
- b) Woolen models 10
- c) Viva - voce 05

डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

परिपत्रक क्रमांक/एस.यू./विज्ञान/अभ्यासक्रम/७४/२०१४

या परिपत्रकाद्वारे सर्व संबंधितांना सुचित करण्यात येते की, विज्ञान विद्याशाखेने शिफारस केल्यानुसार बी. एस्सी. / एम. एस्सी. प्रथम व द्वितीय वर्षाच्या सुधारित अभ्यासक्रमास आणि बी. एस्सी. प्रथम वर्षाच्या अभ्यासक्रमात किरकोळ बदल करण्यास विद्यापरिषदेच्या वतीने मा. कुलगुरु यांनी, त्यांना प्राप्त असलेल्या विशेष अधिकार महाराष्ट्र विद्यापीठ अधिनियम-१९९४ कलम १४(७) अन्वये मान्यता दिलेली आहे. त्या अनुषंगाने सुधारित तयार केलेल्या अभ्यासक्रमाची प्रत या परिपत्रकासोबत आपल्या पुढील कार्यवाहीसाठी पाठविण्यात येत आहे.

[1]	B.Sc. Physics	Semester-III & IV,
[2]	B.Sc. Chemistry	Semester-III & IV,
[3]	B.Sc. Botany	Semester-III & IV,
[4]	B.Sc. Zoology with minor changes	Semester-I & II,
[5]	B.Sc. Zoology	Semester-III & IV,
[6]	B.Sc. Fisheries	Semester-III & IV,
[7]	B.Sc. Electronics (Opt.)	Semester-III & IV,
[8]	B.A./B.Sc. Mathematics	Semester-III & IV,
[9]	B.Sc. Computer Science	Semester-I & II,
[10]	B.Sc. Information Technology	Semester-I & II,
[11]	B.C.A.	Semester-I & II,
[12]	B.Sc. Computer Science(Opt.)	Semester-I & II,
[13]	B.Sc. Information Technology(Opt.)	Semester-I & II,
[14]	B.Sc. Computer Application(Opt.)	Semester-I & II,
[15]	B.Sc. Computer Maintenance(Opt.)	Semester-I & II,
[16]	B.Sc. Biotechnology (Progressively)	Semester-I to VI,
[17]	B.Sc. Biotechnology (Opt.) (Progressively)	Semester-I to IV,
[18]	B.Sc. Sericulture Technology	Semester-I & II,
[19]	B.Sc. Networking Multimedia	Semester-III & IV,
[20]	B.Sc. Bioinformatics	Semester-I & II,
[21]	B.Sc. Hardware & Networking	Semester-I & II,
[22]	B.Sc. Animation	Semester-I & II,
[23]	B.Sc. Dairy Science & Technology	Semester-III & IV,
[24]	B.Sc. Biochemistry	Semester-III & IV,
[25]	B.Sc. Analytical Chemistry	Semester-III & IV,
[26]	B.Sc. Textile & Int. Decoration with minor changes	Semester-I & II,
[27]	B.Sc. Textile & Int. Decoration	Semester-III & IV,
[28]	B.Sc. Home Science with minor changes	Semester-I & II,
[29]	B.Sc. Home Science	Semester-III & IV,
[30]	B.Sc. Agro.Chem. & Fertilizers	Semester-III & IV,

S-29 Nov., 2013 AC after Circulars from Circular No.55 & onwards
:: [2] ::

- 42 -


[31]	B.Sc. Geology	Semester-III & IV,
[32]	B.A. Statistics with minor changes	Semester-I & II,
[33]	B.A. Statistics	Semester-III & IV,
[34]	B.Sc. Statistics with minor changes	Semester-I & II,
[35]	B.Sc. Statistics	Semester-III & IV,
[36]	B.Sc. Industrial Chemistry	Semester-III & IV,
[37]	B.Sc. Horticultural	Semester-I & II,
[38]	B.Sc. Dry land Agriculture	Semester-I & II,
[39]	B.Sc. Microbiology	Semester-III & IV,
[40]	M.Sc. Computer Science	Semester-I to IV,
[41]	M.Sc. Information Technology	Semester-I to IV.

हा सुधारीत व नवीन तयार केलेल्या अभ्यासक्रमाचा आराखडा शैक्षणिक वर्ष २०१४-१५ करिता मर्यादित असेल व विद्यापरिषदेच्या अंतिम मान्यतेनंतर हे परिपत्रक नियमित ठेवण्याबाबत या कार्यालयाद्वारे नवीन परिपत्रक पारित करण्यात येईल. तसेच सुधारीत व नवीन तयार केलेल्या अभ्यासक्रमाची प्रत विद्यापीठाच्या संकेतस्थळावर उपलब्ध आहे.

करिता, या परिपत्रकाची सर्व संबंधितांनी नोंद घ्यावी.

विद्यापीठ प्रांगण,
औरंगाबाद-४३१ ००४.
संदर्भ क्र.एस.यु./सा.शा./सबवि /२०१३-१४/
६५९९-७०२
दिनांक :- २७-०५-२०१४.

X
X
X
X
X
X


संचालक,
महाविद्यालये व विद्यापीठ
विकास मंडळ.

या परिपत्रकाची एक प्रत :-

- १) मा. परीक्षा नियंत्रक, परीक्षा विभाग,
 - २) मा. प्राचार्य, सर्व संलग्नीत महाविद्यालये,
 - ३) संचालक, युनिक यांना विनंती करण्यात येते की, सदरील अभ्यासक्रम विद्यापीठाच्या संकेतस्थळावर उपलब्ध करून देण्यात यावेत.
 - ४) संचालक, ई-सुविधा केंद्र, विद्यापीठ परिसर,
 - ५) जनसंपर्क अधिकारी, मुख्य प्रशासकीय इमारत,
 - ६) कक्ष अधिकारी, पात्रता विभाग, मुख्य प्रशासकीय इमारत,
 - ७) कक्ष अधिकारी, बी.ए. / बी.एस्सी. / बी.सी.एस. / एम.एस्सी. विभाग, परीक्षा भवन,
 - ८) अभिलेख विभाग, मुख्य प्रशासकीय इमारती मागे.
- डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
B.Sc. Zoology Pattern in Semester System

B. Sc. II Year Zoology

III	ZOL-301	Paper – VII	Vertebrate Zoology	50
	ZOL-302	Paper – VIII	Genetics- II	50
	ZOL-303	Paper – IX	Practical based upon Paper VII	50
	ZOL-304	Paper – X	Practical based upon Paper VIII	50
IV	ZOL-401	Paper – XI	Animal Physiology (Special Emphasis on Mammals)	50
	ZOL-402	Paper – XII	Biochemistry & Endocrinology	50
	ZOL-403	Paper – XIII	Practical based upon Paper XI	50
	ZOL-404	Paper – XIV	Practical based upon Paper XII	50

B.Sc. III Semester
Course Code - ZOL- 303
PAPER: IX
VERTEBRATE ZOOLOGY (Practical)

-
- | | |
|---|-----------|
| 1. Museum study of vertebrates. (At least 20). | 05 |
| 2. Dissection of Scoliodon / Labeo
Afferent and efferent,
Cranial Nerves.
Brain | 03 |
| 3. Dissection of Rat/ Frog ;
Urinogenital system,
Arterial system,
Venous System,
Brain of Rat. | 05 |
| 4. Mounting of Placoid, Cycloid and Ctenoid scales of fish | 01 |
| 5. Study of Embryological development of chick according to hours of incubation. | 01 |
| 6. Visit to Zoological museum/Zoo Park is compulsory and Submission of report | |
| 7. Write a report on common birds/mammals in your locality, scientific names and economic importance. | |

Total Practical periods: - 15

S-30th May, 2015 AC after Circulars from Circular No.1 & onwards

- 6 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO.ACAD/SU/Sci./B.Sc. & M.Sc. Syll./5/2015**

It is hereby notified for information to all the concerned that, on the recommendation of the Faculty of Science the Academic Council at its meeting held on 30-05-2015 has accepted the **revised semester-wise syllabi as mentioned against their names in the Faculty of Science as under :-**

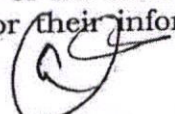
Sr. No.	Name of the Subject	Semester
[1]	B.Sc. Computer Science Degree Course	III & IV
[2]	B.Sc. Information Technology Degree Course	III & IV
[3]	B.C.A. Science Degree Course	III & IV
[4]	B.Sc. Animation Degree Course	III & IV
[5]	B.Sc. Bioinformatics Degree Course	III & IV
[6]	B.Sc. Computer Science [Optional]	III & IV
[7]	B.Sc. Information Technology [Optional]	III & IV
[8]	B.Sc. Computer Applications [Optional]	III & IV
[9]	B.Sc. Computer Maintenance [Optional]	III & IV
[10]	B.Sc. Environmental Science [Optional]	V & VI
[11]	B.Sc. Bio-Chemistry [Optional]	V & VI
[12]	B.Sc. Forensic Science Degree Course	V & VI
[13]	B.Sc. Industrial Chemistry [Optional]	V & VI
[14]	B.Sc. Electronics [Optional]	V & VI
[15]	B.Sc. Zoology [Optional]	V & VI
[16]	B.Sc. Microbiology [Optional]	V & VI
[17]	B.Sc. Instrumentation Practice [Optional]	V & VI
[18]	B.Sc. Statistics [Optional]	V & VI
[19]	B.A. Statistics [Optional]	V & VI
[20]	B.A. / B.Sc. Mathematics [Optional]	V & VI
[21]	B.Sc. Home Science Degree Course	V & VI
[22]	B.Sc. Textile Interior Decoration Degree Course	V & VI
[23]	B.Sc. Fishery Science [Optional]	V & VI
[24]	B.Sc. Dairy Science & Technology [Optional]	V & VI
[25]	B.Sc. Botany [Optional]	V & VI
[26]	B.Sc. Physics [Optional]	V & VI
[27]	M.Sc. Computer Science	III & IV
[28]	M.Sc. I.T.	III & IV

This is effective from the Academic Year 2015-16 & onwards as appended herewith.

All concerned are requested to note the contents of the circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.ACAD/SU/SCI./
2015/3761-4160
Date:- 16-06-2015.

★
★
★
★
★


Director,
Board of College and
University Development.

..2..

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.



[Faint, illegible text]

B.Sc. (Zoology) Semester System

**Third Year (Optional)
(Fifth Semester and Sixth Semester 2015-2016)**

*put before
A.C.
7/5/15*



*Dr. S. S. Shinde
B.D.S. Chairman
Zoology*

B. Sc. III Year Zoology

V	ZOL-501	Paper -XV	Ecology		50
	ZOL-502	Pape XVI (Elective)	A	Fishery sciences -I	50
			B	Animal culture -I	
			C	Entomology-I	
			D	Parasitic protozoa & helminthes-I	
			E	Computer Application & Laboratory Technology-I	
			F	Biotechnology-I	
			G	Dairy sciences -I	
			H	Poultry Sciences -I	
	ZOL-503	Paper XVII	Practical based upon Paper XV		50
ZOL-504	Paper XVIII	Practical based upon Paper XVI		50	
VI	ZOL-601	Paper XIX	Evolution		
	ZOL-602	Paper XX	A	Fishery sciences -II	50
			B	Animal culture -II	
			C	Entomology-II	
			D	Parasitic protozoa & helminthes-II	
			E	Computer Application & Laboratory Technology-II	
			F	Biotechnology-II	
			G	Dairy sciences -II	
			H	Poultry Sciences -II	
	ZOL-603	Paper XXI	Practical based upon Paper XIX		50
ZOL-604	Paper XXII	Practical based upon Paper XX		50	

B.Sc. V Semester

Course Code - ZOL- 504

PAPER: XVIII - A

FISHERY SCIENCE – I (PRACTICAL)
(Elective Paper)

1.	Study of freshwater fishes.	03
	Major carps	
	Other carps.	
	Cat fishes	
	Clupoides	
2.	Study of brackish water fishes.	02
	<i>Hilsa hilsa, Chanos chanos (milkfish), Latis calcarifer, Tilapia</i>	
3.	Study of marine ware fishes.	03
	Oil sardine	
	Mackerel	
	Ribbon -fish	
	Bombay-duck	
	Pomfret	
	Sole	
	Polynemus	
4.	Water analysis	05
5.	Visit to local or any reservoir and marine fish landing centre and student should be submit a project report at the time of practical examination	02

Total practical periods: - 15

B.Sc. VI Semester Course
Code - ZOL- 604
PAPER: XXII – A
FISHARY SCIENCE – II (PRACTICAL)
(Elective Paper)

- | | | |
|----|---|----|
| 1. | Primary productivity of ponds (plankton studies). | 02 |
| 2. | identification, classification and culturaable significance of following.
Catla, rohu, mrigal, catfishes, exotic canoj | 03 |
| 3. | Collection and identification of fish parasites and worms. | 04 |
| 4. | Removal of fish pituitary gland and preparation of pituitary extract | 02 |
| 5. | Identification of crafts and gears.
Gill net, Rampanni, Satpalti, Machwa, Catamaran. | 02 |
| 6. | A visit to fish farm and fish processing centre is compulsory. | 02 |

Total Practical Periods 15

S-01 & 02 June, 2016 AC after Circulars from Circular No.100 & onwards

- 1 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO. SU/Sci./B.Sc. Syllabi/100/2016**

It is hereby notified for information to all concerned that, on the recommendation of the Ad-hoc Board in Computer Science and I.T. the Academic Council at its meeting held on 01 & 02 June, 2016 has accepted the following revised syllabi as mentioned against their names under the Faculty of Science :-

Sr. No.	B.Sc. III Year Revised Syllabus	Semester
[1]	B.Sc. Computer Science Degree Course	V & VI
[2]	B.Sc. Information Technology Degree Course	V & VI
[3]	B.C.A. Science Degree Course	V & VI
[4]	B.Sc. Animation Degree Course	V & VI
[5]	B.Sc. Computer Science Optional	V & VI
[6]	B.Sc. Information Technology Optional	V & VI
[7]	B.C.A. Science Optional	V & VI
[8]	B.Sc. Computer Maintenance Optional	V & VI

This is effective from the Academic Year 2016-2017 and onwards.

These syllabi are also available on the University Website www.bamu.ac.in

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.NO.SU/B.Sc./2016/2389-639
A.C.M.A.I.No.10

Date:- 07-06-2016.

★
★
★
★
★
★
★


Director,
Board of College and
University Development.

..2..

Sr. No.	Paper Number	Name of the Paper Titles	Scheme of Teaching	Scheme of Evaluation(Marks)		
			Theory / Practical (Lect. / week)	Theory / Practical (Marks)	Exam Duration (in hrs.)	Total Mark
III Semester						
1	CS301-T	Advance Data Structure	3	50	2	50
2	CS302-T	Unix Operating System	3	50	2	50
3	CS303-T	PC Maintenance	3	50	2	50
4	CS304-T	Programming in CPP	3	50	2	50
5	CS305-T	Database Management System	3	50	2	50
6	CS306-T	Statistical Method	3	50	2	50
7	CS307-P	Data Structure using CPP	4	100	2	100
8		DBMS	4		2	
9	CS308-P	PC Maintenance	4	100	2	100
10		Unix	4		2	

IV Semester						
1	CS401-T	Software Engg.	3	50	2	50
2	CS402-T	Fedora	3	50	2	50
3	CS403-T	Basic of Networking	3	50	2	50
4	CS404-T	Core Java	3	50	2	50
5	CS405-T	Adv. DBMS	3	50	2	50
6	CS406-T	Web Fundamental	3	50	2	50
7	CS407-P	Java in Fedora OS	4	100	2	100
8		Web Fundamental	4		2	
9	CS408-P	Based in Adv. DBMS and N/w	4	100	2	100
10		Mini Project	4		2	

Sr. No.	Paper Number	Name of the Paper Titles	Scheme of Teaching	Scheme of Evaluation(Marks)		
			Theory / Practical (Lect./week)	Theory / Practical (Marks)	Exam Duration (in hrs.)	Total Mark
V Semester						
1	CS501-T	Software Cost Estimation	3	50	2	50
2	CS502-T	Basic of Android O. S.	3	50	2	50
3	CS503-T	Core Java-II	3	50	2	50
4	CS504-T	Basic of Computer Graphics	3	50	2	50
5*	CS505-T	Beginners Prog. with PHP	3	50	2	50
6*	CS506-T	Basic of ASP.Net	3	50	2	50
7 [#]	CS507-T	Data Mining	3	50	2	50
8 [#]	CS508-T	Advanced Networking	3	50	2	50
9	CS509-P	Pr. Based on Adv. Java	4	100	2	100
10		Pr. Based on Comp. Graphics	4		2	
11	CS510-P	Pr. Based on Android O.S.	4	100	2	100
12		Pr. Based on PHP/ASP.Net	4		2	
VI Semester						
1	CS601-T	Software Quality & Testing	3	50	2	50
2	CS602-T	Android Application Development	3	50	2	50
3	CS603-T	Theory of Computation	3	50	2	50
4	CS604-T	Advanced Computer Graphics	3	50	2	50
5*	CS605-T	Advanced Prog. With PHP	3	50	2	50
6*	CS606-T	Programming Language: C#	3	50	2	50
7 [#]	CS607-T	e-Commerce	3	50	2	50
8 [#]	CS608-T	Ethics and Cyber Law	3	50	2	50
9	CS609-P	Pr. Based on Android Develop.	4	100	2	100
10		Pr. Based on PHP / C#	4		2	
11	CS610-P	Major Project	8	100	4	100
12						

* and #: Any one paper is to be opted from the group

Course: B.Sc.(C.S.)

Semester : V

Topic: Pr. Based on Adv. Java

Paper No.: CS509P (A)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : V

Topic: Pr. Based on Computer Graphics

Paper No.:

CS509P (B)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : V

Topic: Pr. Based on Android O.S.

Paper No.: CS510P (A)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : V

Topic: Pr. Based on PHP/ASP.Net

Paper No.: CS510P (B)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : VI

Topic: Pr. Based on Android Development

Paper No.: CS609 P (A)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : VI

Topic: Pr. Based on PHP/C#

Paper No.: CS609 P (B)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.Sc.(C.S.)

Semester : VI

Topic: Major Project

Paper No.: CS610

Note:

- 1) It is expected that concerned Faculty is to introduce and make the students aware about the Project Development Environment as well as distribute all the students in group with minimum 2 and maximum 4 student's strength.

Minimum contents of Project Report

1. Introduction
2. Problem definition.
3. System Requirement Specification
 - 3.1. User Interview
 - 3.2. Current System flow diagram
 - 3.3. Proposed System.
4. E-R Diagram
5. DFD
6. Sample Screens
7. Conclusion

- 1 -

S-01 & 02 June, 2016 AC after Circulars from Circular No.100 & onwards

- 1 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO. SU/Sci./B.Sc. Syllabi/100/2016

It is hereby notified for information to all concerned that, on the recommendation of the Ad-hoc Board in Computer Science and I.T. the Academic Council at its meeting held on 01 & 02 June, 2016 has accepted the following revised syllabi as mentioned against their names under the Faculty of Science :-

Sr. No.	B.Sc. III Year Revised Syllabus	Semester
[1]	B.Sc. Computer Science Degree Course	V & VI
[2]	B.Sc. Information Technology Degree Course	V & VI
[3]	B.C.A. Science Degree Course	V & VI
[4]	B.Sc. Animation Degree Course	V & VI
[5]	B.Sc. Computer Science Optional	V & VI
[6]	B.Sc. Information Technology Optional	V & VI
[7]	B.C.A. Science Optional	V & VI
[8]	B.Sc. Computer Maintenance Optional	V & VI

This is effective from the Academic Year 2016-2017 and onwards.

These syllabi are also available on the University Website www.bamu.ac.in

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004,
REF.No.SU/B.Sc./2016/2385-639
A.C.M.A.I.No.10

Date:- 07-06-2016.

*
*
*
*
*
*
*


Director,
Board of College and
University Development.

..2..

Semester VI									
1	CSO19	Data Communication and Networking	3		3	50	-	2	50
2	CSO20*	Ethics and Cyber Law	3		3	50	-	2	50
3	CSO20*	E-Commerce	3		3	50	-	2	50
4	CSO21	Seminar	-	3	3	-	20	3	50
5	CSO22	Project		3	3		80		
Total of Semester – VI			6	3	9	100	100		200

* Indicate optional paper (any one from 2 and 3)

Paper No.: CSO20*

Comp. Sci. (Gen.) Semester : VI

Paper title: E-Commerce

Unit –I

Introduction, IT and business, E-commerce: Concepts Electronic Communication, PCs and Networking, E-mail, Internet and intranets. EDI to E-commerce, EDI, UN/EDIFACT

Unit –II

Concerns for E-commerce Growth, Internet bandwidth, Technical issues, Security issues. India E-commerce Readiness, Legal issues, Getting started.
Security Technologies: Encryption, Symmetric key Encryption, Public key encryption, Public key encryption using digital Signatures. Hashing techniques, Certification and key Distribution, Cryptographic.

Unit –III

The elements of E-commerce. SSL-Secure Socket Layer, SET-Secure Electronic Transaction Protocol for Credit card payment, E-Cash, E-check, Smart cards.
Electronic Payment System: Digital Cash, Digital Wallets, Digital checking payment systems, Electronic Billing, Wireless payment systems.
Software Package: PGP e-mail encryption software

Books and References:

- 1) E-Commerce: The Cutting Edge of Business, Kamlesh K. Bajaj & Debjani Nag, Tata McGraw Hill.
- 2) E- Commerce Strategy , Technologies and Applications, David Whiteley, McGraw Hill Edition
- 3) E- Security, Electronic Authentication and Information Systems Security Sundeep Oberoi, TMG
- 4) E-Commerce Concepts, Models , Strategies by - G.S.V Murthy
- 5) E-Commerce- Kenneth C.Laudon and Carol Guercio Traver
- 6) Internet marketing and E-commerce-Ward Hanson and Kirthi Kalyanam

Paper No.: CSO21

Comp. Sci. (Gen.) Semester : VI

Paper title: Seminar

5. SU-02 June-2016 All Syllabus Science Faculty B.Sc. Computer Science [Optional] Sem. V & VI

- 15 -

Student should prepare and present a seminar on any latest topic should be related to Computer Science.

Paper No.: CSO22

Comp. Sci. (Gen.) Semester : VI

Paper title: Major Project

Students group (maximum 3 students) should design and develop a project.

--**--

S*/-170516/-

S-01 & 02 June, 2016 AC after Circulars from Circular No.100 & onwards - 1 -

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

CIRCULAR NO. SU/Sci./B.Sc. Syllabi/100/2016

It is hereby notified for information to all concerned that, on the recommendation of the Ad-hoc Board in Computer Science and I.T. the Academic Council at its meeting held on 01 & 02 June, 2016 has accepted the following revised syllabi as mentioned against their names under the Faculty of Science :-

Sr. No.	B.Sc. III Year Revised Syllabus	Semester
[1]	B.Sc. Computer Science Degree Course	V & VI
[2]	B.Sc. Information Technology Degree Course	V & VI
[3]	B.C.A. Science Degree Course	V & VI
[4]	B.Sc. Animation Degree Course	V & VI
[5]	B.Sc. Computer Science Optional	V & VI
[6]	B.Sc. Information Technology Optional	V & VI
[7]	B.C.A. Science Optional	V & VI
[8]	B.Sc. Computer Maintenance Optional	V & VI

This is effective from the Academic Year 2016-2017 and onwards.

These syllabi are also available on the University Website www.bamu.ac.in

All concerned are requested to note the contents of this circular and bring the notice to the students, teachers and staff for their information and necessary action.

University Campus,
Aurangabad-431 004.
REF.No.SU/B.Sc./2016/2385-639
A.C.M.A.I.No.10

Date:- 07-06-2016.

*
*
*
*
*
*
*
*


Director,
Board of College and
University Development.

Curriculum Structure and Scheme of Evaluation: B.C.A.(Sci.)

Sr. No.	Paper Number	Name of the Paper Titles	Scheme of Teaching	Scheme of Evaluation(Marks)		
			Theory / Practical (Lect./week)	Theory / Practical (Marks)	Exam Duration (in hrs.)	Total Mark
V Semester						
1	CA501-T	Software Project Management –II	3	50	2	50
2	CA502-T	Computer Graphics-I	3	50	2	50
3	CA503-T	Core JAVA-II	3	50	2	50
4	CA504-T	Data Warehouse	3	50	2	50
5*	CA505-T	Ethical Hacking	3	50	2	50
6*	CA506-T	Data Communication Networking	3	50	2	50
7 [#]	CA507-T	Beginning with PHP Programming	3	50	2	50
8 [#]	CA508-T	ASP.NET-I	3	50	2	50
9	CA509-P	Pr. Based on Comp. Graphics	4	100	2	100
10		Pr. Based on Core Java-II	4		2	
11	CA510-P	Pr. Based on Ethical Hacking/ DCN	4	100	2	100
12		Pr. Based on PHP / ASP.NET	4		2	
VI Semester						
1	CA601-T	Software Testing and Quality Assurance	3	50	2	50
2	CA602-T	Computer Graphics-II	3	50	2	50
3	CA603-T	Java Server Pages (JSP)	3	50	2	50
4	CA604-T	Data Mining	3	50	2	50
5*	CA605-T	Network Security	3	50	2	50
6*	CA606-T	Cloud Computing	3	50	2	50
7 [#]	CA607-T	Advanced Programming with PHP	3	50	2	50
8 [#]	CA608-T	ASP.NET-II	3	50	2	50
9	CA609-P	Pr. Based on JSP	4	100	2	100
10		Pr. Based on PHP / ASP.Net	4		2	
11	CA610-P	Major Project	8	100	3	100
12						

* and #: Any one paper is to be opted from the group

Course: B.C.A.(Sci.)

Semester : VI

Topic: Practical Based on JSP

Paper No.: CA 609P (A)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.C.A.(Sci.)

Semester : VI

Topic: Practical Based on PHP / ASP.Net

Paper No.: CA 609P (B)

Minimum 10 Practicals to be performed as per the guidelines of teaching Faculty depending upon all theory units of concerned subject.

Course: B.C.A.(Sci.)

Semester : VI

Topic: Major Project

Paper No.: CA- 610 P

Note:

- 1) It is expected that concerned Faculty is to introduce and make the students aware about the Project Development Environment as well as distribute all the students in group with minimum 2 and maximum 4 student's strength.

Minimum contents of Project Report

1. Introduction
2. Problem definition.
3. System Requirement Specification
 - 3.1. User Interview
 - 3.2. Current System flow diagram
 - 3.3. Proposed System.
4. E-R Diagram
5. DFD
6. Sample Screens
7. Conclusion

==**==

Dr. Babasaheb Ambedkar
Marathwada University
Aurangabad-431004 Maharashtra (India)
NAAC Re-accredited A Grade

Telephone : (0240) 2403200
Office PBX : (0240) 2403399/400
Fax : (0240) 2403199/188
Website : www.bamu.ac.in
<http://bamua.digitaluniversity.ac>
E-Mail : coe@bamu.ac.in



डॉ. बाबासाहेब आंबेडकर
मराठवाडा विद्यापीठ
औरंगाबाद-४३१००४. महाराष्ट्र (भारत)
नेक समितीतर्फे अ दर्जा प्राप्त

Office : Director, Board of Examination
& Evaluation
कार्यालय : संचालक, परीक्षा व मुल्यापन मंडळ

संदर्भ क्र. परीक्षा/समन्वय/२०२२/२००६

दिनांक १५.०६.२०२२

Compulsory Six Month Course in Environmental Studies

प्राचार्य/प्राचार्या,
सर्व संलग्नित महाविद्यालये,
डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद

विषय : पर्यावरण (अनिवार्य) ची परीक्षा दिनांक २६.०६.२०२२ रोजी घेणेबाबत.

महोदय/महोदया,

उपरोक्त संदर्भाकित विषयास अनुसरुन आपणांस कळविण्यात येते की, विद्यापीठाच्या विद्यापरिषद व परीक्षा मंडळाच्या निर्णयानुसार **Compulsory Six Months Course in Environmental Studies** या विषयाची परीक्षा विद्यापीठातर्फे पदवीच्या द्वितीय वर्ष (चौथे सत्र) घेण्याचे ठरलेले आहे. याबाबत आपणास परीक्षा आयोजनासंबंधी खालील प्रमाणे सूचना करण्यात येत आहे :-

- १) द्वितीय वर्षाच्या **"Environmental Studies"** हा अभ्यासक्रम मार्च/एप्रिल २०१० च्या परीक्षेपासून सर्व पदवी स्तरावरील वर्गासाठी अनिवार्य करण्यात आलेला असून काही अभ्यासक्रम/विद्यार्थी यांना वगळण्यात आलेले आहेत. खालील प्रमाणे आहेत.
 - क) जे विद्यार्थी बी.एफ.ए. किंवा बी.एड. अभ्यासक्रमास प्रवेशित असतील असे.
तसेच
 - ख) ज्या विद्यार्थ्यांना पदवी अभ्यासक्रमामध्ये **"Environmental Science"** हा ऐच्छिक विषय घेतलेला असेल.
तसेच
 - ग) बी.एस्सी. बायोटेक पदवी अभ्यासक्रमामध्ये हा विषय घेतलेला असेल असे.
- २) या विषयाची लेखी परीक्षा ७५ गुणांची असून सदरची लेखी परीक्षा विद्यापीठातर्फे घेण्यात येईल.
- ३) **Environment Studies** या विषयाची परीक्षा रविवार दिनांक २६.०६.२०२२ रोजी दुपारी १२.०० ते २.०० वाजे पर्यंत विद्यार्थी शिक्षण घेत असलेल्या महाविद्यालयातच (Home Centre) प्राचार्यांच्या नियंत्रण व मार्गदर्शनाखाली घेण्यात येणार आहे.
- ४) सदर परीक्षेसाठी Multiple Choice Question Paper Cum- Answer Sheet च्या आवश्यक प्रती सर्व संबंधित महाविद्यालयांना विद्यापीठमार्फत पुरविण्यात येतील.



Handwritten signature in blue ink.

- ५) सदरील पेपरच्या प्रश्नपत्रिकेची (Multiple Choice Question Paper) उत्तरे (Answer Key) विद्यापीठाच्या www.bamu.ac.in/ किंवा bamua.digitaluniversity.ac/compulsory/ Environment Studies या वेबसाईटवर दिनांक ०१.०७.२०२२ रोजी उपलब्ध करण्यात येईल व ती पुढील आठ दिवसाकरिता वेबसाईटवर उपलब्ध असेल.
- ६) पर्यावरणशास्त्र परीक्षा उत्तीर्ण होणेसाठी ३५% गुण आवश्यक आहे. (लेखी परीक्षेसाठी २६ गुण आणि फील्ड वर्कसाठी ०९ गुण अनिवार्य आहेत) अंतर्गत व लेखी परीक्षांच्या संपादित गुणाबाबत व इतर माहितीबाबत विद्यापीठाच्या शैक्षणिक विभागाचे परिपत्रक क्र ACAD/NP/COMP.SCI./ENV.SCI. /2008 / 6587-6786 दिनांक २०.०६.२००८ चे अवलोकन करावे.
- ७) संबंधित महाविद्यालयामध्ये उत्तरपत्रिका तपासून झाल्यानंतर अंतर्गत आणि सदर लेखी परीक्षेचे गुण व त्यांची एकूण बेरीज गुणांच्या यादीमध्ये दर्शविण्यात यावी.
- ८) उत्तीर्ण झालेल्या विद्यार्थ्यांच्या संख्येइतक्या प्रमाणपत्राच्या प्रती विद्यापीठाच्या परीक्षा विभागातील भांडार कक्षाकडून प्रत्यक्ष प्राप्त करून घ्याव्यात. महाविद्यालयांनी सदर प्रमाणपत्रामध्ये संबंधित विद्यार्थ्यांचे नांव, एकूण प्राप्त गुण इत्यादी बाबींची नोंद करावी व त्यावर प्राचार्यांच्या स्वाक्षरी (स्वाक्षरीचा शिक्का नव्हे) व महाविद्यालयाच्या शिक्क्यासह अशी प्रमाणपत्रे व मुळ गुणयाद्या परीक्षा विभागातील संबंधित कक्षामध्ये जमा कराव्यात. त्यानंतर परीक्षा नियंत्रकांच्या सही शिक्क्यासह सदरील प्रमाणपत्रे विद्यार्थ्यांना वाटप करण्यासाठी संबंधित महाविद्यालयांना परत करण्यात येतील.
- ९) महाविद्यालयास पुरविण्यात आलेल्या प्रश्नपत्रिका-नि-उत्तरपत्रिका तसेच **Field Note Books / Practical Books etc.** पुढील आदेशापर्यंत महाविद्यालयामध्ये सुस्थितीत ठेवाव्यात. यथावकाश त्या विद्यापीठातर्फे जमा करण्यात येतील.
- १०) सदर परीक्षेची प्रमाणपत्रे संबंधित महाविद्यालयांनी विद्यार्थ्यांना वितरीत करावयाची असून आवश्यक तितकी कोरी प्रमाणपत्रे विद्यापीठातर्फे पुरविण्यात येतील. सदर प्रमाणपत्रे ही प्राचार्यांच्या सही व महाविद्यालयाच्या शिक्क्यासह संबंधित महाविद्यालयाने वितरीत करावयाची आहेत.
- ११) विद्यार्थ्यांनी सदरील प्रमाणपत्राची साक्षात्कृत प्रत तृतीय वर्षाच्या अंतिम वर्षाच्या परीक्षेसाठी दाखल करावयाच्या परीक्षा आवेदनपत्रासोबत सादर करावयाची असून विद्यार्थ्यांच्या अंतिम वर्ष परीक्षेचा निकाल त्याखेरीज घोषित करण्यात येणार नाही.
- १२) सदरील परीक्षा ही ज्या त्या महाविद्यालयात (Home Center) होणार असल्यामुळे सर्व संबंधित महाविद्यालयांनी QPDS ची माहिती भरावी त्या शिवाय प्रश्न पत्रिका डाऊनलोड करता येणार नाही व विद्यार्थी परीक्षेपासून वंचित राहू शकतात म्हणून कृपया QPDS ची माहिती सर्व संबंधित महाविद्यालयांनी भरून घ्यावी.

कृपया सदर परिपत्रक सर्व विद्यार्थी व संबंधित शिक्षक व प्रशासकिय कर्मचाऱ्यांच्या निदर्शनास आणावे व वरील निर्णयाची अंमलबजावणी काटेकोरपणे करून विद्यापीठास सहकार्य करावे, ही विनंती.



आपला

(Signature)

संचालक

परीक्षा व मूल्यमापन मंडळ

याची एक प्रत उपकुलसचिव, गोपनीय कक्ष यांचे सह सर्व विभागप्रमुख व कक्ष प्रमुख, परीक्षा विभाग डॉ. बाबासाहेब आंबेडकर मराठवाडा विद्यापीठ, औरंगाबाद यांना माहिती व योग्य त्या कार्यवाहीस्तव.

(Signature)

Coordinator

Internal Quality Assurance Cell (IQAC)
Sunderrao Solanke Mahavidyalaya,
Majalgaon, Dist. Beed (MS)



(Signature)

PRINCIPAL
Sunderrao Solanke Mahavidyalaya
Majalgaon Dist. Beed (M.S.)