

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY**CIRCULAR NO. SU/Sci./B.Sc. Syllabi/6/2016**

It is hereby inform to all concerned that, on the recommendations of the Committees/Ad-hoc Boards the Hon'ble Vice-Chancellor has accepted the following revised syllabi in his emergency powers under Section-14[7] of the Maharashtra Universities Act, 1994 on behalf of the Academic Council as mentioned against their names under the **Faculty of Science** :-

Sr. No.	B.Sc. III Year Revised Syllabi	Semester
[1]	B.Sc. Automobile Technology . [Degree Course],	V & VI
[2]	B.Sc. Workshop Technology [Degree Course],	V & VI
[3]	B.Sc. Refrigeration & Air Conditioning [Degree Course],	V & VI
[4]	B.Sc. Bioinformatics [Degree Course].	V & VI
[5]	B.Sc. Biotechnology [Optional],	V & VI
[6]	B.Sc. Horticulture [Optional],	V & VI
[7]	B.Sc. Dry Land Agriculture [Optional],	V & VI
[8]	B.Sc. Sericulture [Optional],	V & VI

This is effective from the **Academic Year 2016-2017** and onwards as appended herewith.

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./2016/3849 - 68

Date:- 23-06-2016.

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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 Section Officer, [B.Sc. Unit],
- 3] The Section Officer, [B.C.S. Unit],
- 4] The Programmer [Computer Unit-1] Examinations,
- 5] The Programmer [Computer Unit-2] Examinations,
- 6] The In-Charge, E-Suvidha Kendra, [Professional Unit], Rajarshi Shahu Maharaj Pariksha Bhavan, Dr. Babasaheb Ambedkar Marathwada University,
- 7] The Record Keeper,
Dr. Babasaheb Ambedkar Marathwada University.

**D.R. BABASAHEB AMBEDKAR
MARATHWADA UNIVERSITY,
AURANGABAD.**



Revised Syllabus of

B.Sc. III YEAR

MANUFACTURING PROCESS / WORKSHOP TECHNOLOGY

Semester-V & VI

[Three Year Degree Course]

[*Effective from 2016-17 & onwards*]

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AURANGABAD.**

APPENDIX – 'A'
B. Sc. (MANUFACTURING PROCESS)/(WORKSHOP TECHNOLOGY)
THIRD YEAR

FIFTH SEMESTER

Paper no.	Name of Paper	Max Marks			Min. Marks for passing		Total Mark
		Theory	Practical		Theory	Practical	
1	Entrepreneurship development program -I	30	20	--	18	--	50
2	Robotics-I	30	20	--	18	--	50
3	Tool Engineering	30	20	--	18	--	50
4	Mechatronics –I	30	20	--	18	--	50
5	Computer Integrated Manufacturing Systems	30	20	--	18	--	50
6	Quality Engineering & Industrial Management	30	20		18		50
7	Project-I	--	--	50	--	18	50
8	Practical-I based on paper 2	--	--	50		18	50
9	Practical-II based on paper 3	--	--	50	--	18	50
10	Practical-III based on paper 4	--	--	50	--	18	50
11	Practical –IV based on paper 5	--	--	50	--	18	50
12	Seasonal based on paper 6	--	--	50	--	18	50
Total		300	300		--	--	600

Total marks 300+ 300= 600

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**APPENDIX – 'A'
B. Sc. (MANUFACTURING PROCESS)/(WORKSHOP TECHNOLOGY)
THIRD YEAR**

R-1878: The following shall be the scheme of examination of the Course.

FIFTH SEMESTER

Paper no.	Name of Paper	Scheme and Pattern of Examination					Total Mark
		Teaching Scheme Periods (1 Hr.)			Duration		
		Theory Per week	Pract. Per week	Total	Theory Hrs.	Pract.	
1	Entrepreneurship development program -I	3	--	3	3	--	50
2	Robotics-I	3	--	3	3	--	50
3	Tool Engineering	3	--	3	3	--	50
4	Mechatronics –I	3	--	3	3	--	50
5	Computer Integrated Manufacturing Systems	3	--	3	3	--	50
6	Quality Engineering & Industrial Management	3	--	3	3	--	50
7	Project-I	--	3	3	--	3	50
8	Practical-I based on paper 2	--	3	3	--	3	50
9	Practical-II based on paper 3	--	3	3	--	3	50
10	Practical-III based on paper 4	--	3	3	--	3	50
11	Practical –IV based on paper 5	--	3	3	--	3	50
12	Seasonal based on paper 6	--	3	3	--	3	50
Total		18	18	36	--	--	600

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APPENDIX – 'A'

**B. Sc. (MANUFACTURING PROCESS)/(WORKSHOP TECHNOLOGY)
THIRD YEAR**

SIXTH SEMESTER

Paper no.	Name of Paper	Max Marks			Min. Marks for passing		Total Mark
		Theory	Practical		Theory	Practical	
1	Entrepreneurship development Program -II	30	20	--	18	--	50
2	Robotics – II	30	20	--	18	--	50
3	Industrial Hydraulics and Pneumatics	30	20	--	18	--	50
4	Mechatronics –II	30	20	--	18	--	50
5	Auto Cad	30	20	--	18	--	50
6	Industrial Engineering	30	20		18		50
7	Project-II	--	--	50	--	18	50
8	Practical-I based on paper 2	--	--	50		18	50
9	Practical-II based on paper 3	--	--	50	--	18	50
10	Practical-III based on paper 4	--	--	50	--	18	50
11	Practical –IV based on paper 5	--	--	50	--	18	50
12	Seasonal based on paper 6	--	--	50	--	18	50
Total		300	300		--	--	600

Total marks 300 + 300= 600

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APPENDIX – ‘A’

**B. Sc. (MANUFACTURING PROCESS)/(WORKSHOP TECHNOLOGY)
THIRD YEAR**

R-1878 : The following shall be the scheme of examination of the Course.

SIXTH SEMESTER

Paper no.	Name of Paper	Scheme and Pattern of Examination					Total Mark
		Teaching Scheme Periods (1 Hr.)			Duration		
		Theory Per week	Pract. Per week	Total	Theory Hrs.	Pract.	
1	Entrepreneurship development Program -II	3	--	3	3	--	50
2	Robotics – II	3	--	3	3	--	50
3	Industrial Hydraulics and Pneumatics	3	--	3	3	--	50
4	Mechatronics –II	3	--	3	3	--	50
5	Auto Cad	3	--	3	3	--	50
6	Industrial Engineering	3	--	3	3	--	50
7	Project- II	--	3	3	--	3	50
8	Practical-I based on paper 2	--	3	3	--	3	50
9	Practical-II based on paper 3	--	3	3	--	3	50
10	Practical-III based on paper 4	--	3	3	--	3	50
11	Practical –IV based on paper 5	--	3	3	--	3	50
12	Seasonal based on paper 6	--	3	3	--	3	50
Total		18	18	36	--	--	600