

S-01 & 02 June, 2016 AC after Circulars from Circular No.100 & onwards - 13 -

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.

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

B. Sc. (REFRIGERATION & AIR CONDITIONING) COURSE
THIRD YEAR
FIFTH & SIXTH SEMESTER

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

APPENDIX – ‘A’

**B. Sc. (REFRIGERATION AND AIR CONDITIONING)
THIRD YEAR**

FIFTH SEMESTER

Paper no.	Name of Paper	Max Marks		Min. Marks for passing		Total Mark
		TH	PR	TH	PR	
RAC-501	Entrepreneurship development Program -I	50	--	20	--	50
RAC-502	Refrigerants	50	--	20	--	50
RAC-503	Refrigeration & Air Conditioning Material	50	--	20	--	50
RAC-504	Refrigeration & Air Conditioning Application	50	--	20	--	50
RAC-505	Refrigeration & Air Conditioning Piping System	50	--	20	--	50
RAC-506	Non-Conventional Refrigeration System	50	--	20	--	50
RAC-507	Project-I/Seminar	--	50	--	20	50
RAC-508	Practical-I based on paper 2	--	50	--	20	50
RAC-509	Practical-II based on paper 3	--	50	--	20	50
RAC-510	Practical-III based on paper 4	--	50	--	20	50
RAC-511	Practical –IV based on paper 5	--	50	--	20	50
RAC-512	Seasonal based on paper 6	--	50	--	20	50
Total		300	300	--	--	600

Total marks 300+ 300= 600

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**APPENDIX – ‘A’
B. Sc. (Refrigeration and Air Conditioning)
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.	
RAC-501	Entrepreneurship development Program -I	3	--	3	3	--	50
RAC-502	Refrigerants	3	--	3	3	--	50
RAC-503	Refrigeration & Air Conditioning Material	3	--	3	3	--	50
RAC-504	Refrigeration & Air Conditioning Application	3	--	3	3	--	50
RAC-505	Refrigeration & Air Conditioning Piping System	3	--	3	3	--	50
RAC-506	Non-Conventional Refrigeration System	3	--	3	3	--	50
RAC-507	Project-I/Seminar	--	3	3	--	3	50
RAC-508	Practical-I based on paper 2	--	3	3	--	3	50
RAC-509	Practical-II based on paper 3	--	3	3	--	3	50
RAC-510	Practical-III based on paper 4	--	3	3	--	3	50
RAC-511	Practical –IV based on paper 5	--	3	3	--	3	50
RAC-512	Seasonal based on paper 6	--	3	3	--	3	50
Total		18	18	36	--	--	600

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**APPENDIX – ‘A’
B. Sc. (Refrigeration & Air-Conditioning)
THIRD YEAR**

SIXTH SEMESTER

Paper no.	Name of Paper	Max Marks		Min. Marks for passing		Total Mark
		TH	PR	Theory	Practical	
RAC-601	Entrepreneurship development program -II	50	--	20	--	50
RAC-602	Refrigeration & Air Conditioning Maintenance	50	--	20	--	50
RAC-603	Refrigeration & Air Conditioning Installation Techniques	50	--	20	--	50
RAC-604	Refrigeration & Air Conditioning Standard	50	--	20	--	50
RAC-605	Selection of Equipment & Assembly	50	--	20	--	50
RAC-606	Refrigeration & Air Conditioning Safety	50		20		50
RAC-607	Project II	--	50	--	20	50
RAC-608	Practical-I based on paper 2	--	50		20	50
RAC-609	Practical-II based on paper 3	--	50	--	20	50
RAC-610	Practical-III based on paper 4	--	50	--	20	50
RAC-611	Practical –IV based on paper 5	--	50	--	20	50
RAC-612	Seasonal based on paper 6	--	50	--	20	50
Total		300	300	--	--	600

Total marks 300 + 300= 600

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**APPENDIX – ‘A’
B. Sc. (Refrigeration & Air Conditioning)
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.	
RAC-601	Entrepreneurship development program -II	3	--	3	3	--	50
RAC-602	Refrigeration & Air Conditioning Maintenance	3	--	3	3	--	50
RAC-603	Refrigeration & Air Conditioning Installation Techniques	3	--	3	3	--	50
RAC-604	Refrigeration & Air Conditioning Standard	3	--	3	3	--	50
RAC-605	Selection of Equipment & Assembly	3	--	3	3	--	50
RAC-606	Refrigeration & Air Conditioning Safety	3	--	3	3	--	50
RAC-607	Project II	--	3	3	--	3	50
RAC-608	Practical-I based on paper 2	--	3	3	--	3	50
RAC-609	Practical-II based on paper 3	--	3	3	--	3	50
RAC-610	Practical-III based on paper 4	--	3	3	--	3	50
RAC-611	Practical –IV based on paper 5	--	3	3	--	3	50
RAC-612	Seasonal based on paper 6	--	3	3	--	3	50
Total		18	18	36	--	--	600