

AC – 11/07/2022

Item No. 6.15 (R)

# UNIVERSITY OF MUMBAI



**Revised Syllabus for**

**F.Y.B.Sc.  
(Physics)**

**Semester: I&II (CBCS)**

(With effect from the academic year 2022-23)



*C. Kakade*  
Principal  
Anandibai Raorane Arts, Commerce  
& Science, College, Vaibhavwadi

**UNIVERSITY OF MUMBAI**



**Syllabus for Approval**

Sr. No.	Heading	Particulars
1	Title of the Course	F.Y.B.Sc. (Physics)
2	Eligibility for Admission	—
3	Passing Marks	—
4	Ordinances / Regulations (if any)	
5	No. of Years / Semesters	06 Semesters
6	Level	UG
7	Pattern	Semester
8	Status	Revised
9	To be implemented from Academic Year	From Academic Year: 2022-2023

Date:

Signature:

*MS Ambale*  
Name  
Chairman of BOS of Physics  
Professor & Head  
Department of Physics  
University of Mumbai

*AH Majumdar*  
Dr. Anuradha Majumdar  
Dean, Science and Technology

*BS Kulkarni*  
Principal  
Anandibai Raorane Arts, Commerce  
& Science, College, Vaibhavwadi

**Syllabus for B.Sc. Physics (Theory & Practical)**  
As per Choice Based and Credit System  
First Year B.Sc. 2022-2023



The revised syllabus in Physics as per Choice Based and Credit System for the First Year B.Sc. Course will be implemented from the academic year 2022-2023.

**Preamble:**

The systematic and planned curricula from these courses shall motivate and encourage learners to understand basic concepts of Physics.

**Objectives:**

- To develop analytical abilities towards real world problems
- To familiarize with current and recent scientific and technological developments
- To enrich knowledge through problem-solving, hands-on activities, study visits, projects etc

Course Code	Title	Credits
	Semester I	
USPH101	Classical Physics	02
USPH102	Modern Physics	02
USPHPI	Practical I	02
		Total=06
	Semester II	
USPH201	Optics I	02
USPH202	Electricity and Electronics	02
USPHPII	Practical II	02
		Total=06

**Scheme of Examination:**

- Each theory paper of each semester will have 25% Internal Assessment (IA) and 75% External Assessment (EA). All external examinations will be held at the end of each semester and will be conducted by the University as per existing norms
- There will be no internal assessment for practical. A candidate will be allowed to appear for the semester end practical examination only if the candidate submits a certified journal at the time of practical examination of the semester or a certificate from the Head of the Department/Institute to the effect that the candidate has completed the practical course of that

*(Signature)*  
Principal

Anandibai Raorane Arts, Commerce  
& Science, College, Vaibhavwadi

**UNIVERSITY OF MUMBAI****Syllabus for Approval**

Sr. No.	Heading	Particulars
1	Title of the Course	FYBA : Communication Skills in English
2	Eligibility for Admission	10+2
3	Passing Marks	40
4	Ordinances / Regulations (if any)	
5	No. of Years / Semesters	1 Year (semester I and II)
6	Level	<del>P.G. / U.G. / Diploma / Certificate</del> (Strike out which is not applicable)
7	Pattern	<del>Yearly / Semester</del> (Strike out which is not applicable)
8	Status	<del>New / Revised</del> (Strike out which is not applicable)
9	To be implemented from Academic Year	From Academic Year <b>2021 -2022</b>

Date: 21/12/2020

Signature :

Name of BOS Chairperson / ~~Dean~~ :**Dr. Sudhir Nikam**

AC \_\_\_\_\_  
Item No. \_\_\_\_\_**UNIVERSITY OF MUMBAI****Syllabus for Approval**

Sr. No.	Heading	Particulars
1	Title of the Course	<b>S.Y.B.A. (MARATHI)</b>
2	Eligibility for Admission	<b>F.Y.B.A. Pass</b>
3	Passing Marks	<b>40</b>
4	Ordinances / Regulations ( if any)	<b>Nil</b>
5	No. of Years / Semesters	<b>01 (Two Semester)</b>
6	Level	<b>U.G.</b>
7	Pattern	<b>Semester</b>
8	Status	<b>Revised</b>
9	To be implemented from Academic Year	<b>From Academic Year 2021-22</b>

Name &amp; Signature of BOS Chairperson :

Name &amp; Signature of Dean:

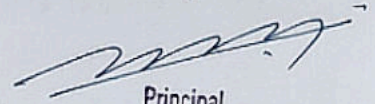
**Principal**  
Anandibai Raorane Arts, Commerce & Science  
College, Vaibhawadi.

मुंबई विद्यापीठ  
द्वितीय वर्ष बी.ए.  
मराठी



अभ्यासक्रम (CBCS)

Course Code	Core Course	No of Credits
सत्र ३ रे		
UAMAR ३०१	कथन साहित्य	३
UAMAR ३०२	भाषा आणि बोली अभ्यास	३
सत्र ४ थे		
UAMAR ४०१	नाट्य साहित्य	३
UAMAR ४०२	मराठी व्याकरण आणि लेखन कौशल्ये (स्पर्धा परीक्षा)	३

  
Principal  
Anandibai Raorane Arts, Commerce & Science  
College, Valbhawwadi.

# University of Mumbai



No. AAMS\_UGS/ICC/2022-23/ 163

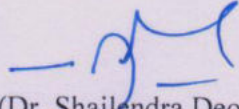
CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the Recognized Institutions in Faculty of Science & Technology is invited to this office circular No.UG/69 of 2016-17 dated 21<sup>st</sup> September, 2016 relating to the revised syllabus F.Y.B.Sc.(Physics) (Sem I & II) (CBCS).

They are hereby informed that the recommendations made by the Board of Studies in **Physics** at its meeting held on 10<sup>th</sup> May, 2022 and subsequently passed in the Faculty and then by the Board of Deans at its meeting held on 5<sup>th</sup> July, 2022 vide item No. 6.15(R) have been accepted by the Academic Council at its meeting held on 11<sup>th</sup> July, 2022 vide item No. 6.15 (R) and that in accordance therewith, the revised syllabus of F.Y.B.Sc.(Physics) (Sem.- I & II) (CBCS), has been brought into force with effect from the academic year 2022-23. (The circular is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI – 400 032

14<sup>th</sup> November, 2022

  
(Dr. Shailendra Deolankar)  
I/c Registrar

To

The Principals of the Affiliated Colleges and Directors of the Recognized Institutions in Faculty of Science & Technology.

A.C/6.15(R)/11/07/2022

Copy forwarded with Compliments for information to:-

- 1) The Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies Physics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Director, Department of Information & Communication Technology,
- 6) The Co-ordinator, MKCL.

# University of Mumbai



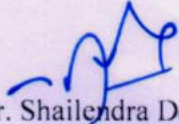
No. AAMS\_UGS/ICC/2022-23/ 105

CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the Recognized Institutions in Faculty of Science & Technology is invited to this office circular No. UG/166 of 2016-17 dated 19<sup>th</sup> November, 2016 relating to the revised syllabus F.Y.B.Sc.(Chemistry) (Sem . I & II) (CBCS).

They are hereby informed that the recommendations made by the Board of Studies in **Chemistry** at its meeting held on 09<sup>th</sup> June, 2022 and subsequently passed in the Faculty and then by the Board of Deans at its meeting held on 5<sup>th</sup> July, 2022 vide item No. 6.5 (R) have been accepted by the Academic Council at its meeting held on 11<sup>th</sup> July, 2022 vide item No. 6.5 (R) and that in accordance therewith, the revised syllabus of F.Y.B.Sc.(Chemistry) (Sem . I & II) (CBCS). has been brought into force with effect from the academic year 2022-23. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI – 400 032  
11<sup>th</sup> October, 2022

  
(Dr. Shailendra Deolankar)  
I/c Registrar

To

The Principals of the Affiliated Colleges and Directors of the Recognized Institutions in Faculty of Science & Technology.

A.C/6.5(R)/11/07/2022

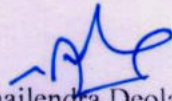
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No. AAMS\_UGS/ICC/ 2022-23/ 105

11<sup>th</sup> October, 2022

Copy forwarded with Compliments for information to:-

- 1) The Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies Chemistry,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Director, Department of Information & Communication Technology,
- 6) The Co-ordinator, MKCL.

  
(Dr. Shailendra Deolankar)  
I/c Registrar

Desktop/Circular Faculty of Science/priya



# University of Mumbai



No. UG/17 of 2020-21

**CIRCULAR:-**

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Humanities, Science & Technology Faculty is invited to this office circular No.UG/57 of 2018-19, dated 6<sup>th</sup> July, 2018 relating to the revised syllabus for the F.Y.B.Sc/F.Y.B.A. in Mathematics (Sem. I & II).

They are hereby informed that the recommendations made by the Board of Studies in Mathematics at its meeting held on 11<sup>th</sup> March, 2020 vide item No.1 and subsequently made by the Board of Deans at its meeting held on 20<sup>th</sup> July, 2020 vide item No.54 have been accepted by the Academic Council at its meeting held on 23<sup>rd</sup> July, 2020 vide item No. 4.106, and that in accordance therewith, the revised syllabus/practical book of F.Y. B.Sc./ F.Y.B.A. in Mathematics under the (CBCS) in 75:25 pattern has been brought into force with effect from the academic year 2020 -21 accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032  
17<sup>th</sup> November, 2020  
To

  
(Dr. Vinod Patil)  
I/c REGISTRAR

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities, Science & Technology Faculty. (Circular No.UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.106/23/07/2020

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No. UG/17 -A of 2020-21

MUMBAI-400 032

17<sup>th</sup> November, 2020

Copy forwarded with Compliments for information to:-

- 1) The Dean, Faculty of Humanities, Science & Technology.
- 2) The Chairman, Board of Studies in Mathematics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-ordinator, University Computerization Centre,

  
(Dr. Vinod Patil)  
I/c REGISTRAR

# University of Mumbai



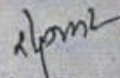
No. UG/29 of 2019-20

**CIRCULAR:-**

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty is invited to this office Circular No. UG/51 of 2017-18, dated 15<sup>th</sup> July, 2017 relating to the revised syllabus as per (CBCS) of F.Y.B.A. in Hindi (Compulsory & Ancillary) (Sem. I & II).

They are hereby informed that the recommendations made by the Board of Studies in Hindi at its meeting held on 9<sup>th</sup> April, 2019 have been accepted by the Academic Council at its meeting held on 15<sup>th</sup> April, 2019 vide item No. 4.23 & 4.24 and that in accordance therewith, the revised syllabus as per the (CBCS) for the F.Y.B.A. Compulsory & Ancillary (Sem. I & II) in Hindi has been brought into force with effect from the academic year 2019-20, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032  
3<sup>rd</sup> June, 2019

  
(Dr. Ajay Deshmukh)  
REGISTRAR

To

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C./4.23 & 4.24 /15/04/2019

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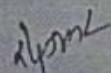
No. UG/29 -A of 2019

MUMBAI-400 032

3<sup>rd</sup> June, 2019

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Humanities,
- 2) The Chairman, Board of Studies in Hindi,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL),
- 5) The Director, Board of Students Development,
- 6) The Co-ordinator, University Computerization Centre,

  
(Dr. Ajay Deshmukh)  
REGISTRAR

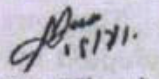


**UNIVERSITY OF MUMBAI**  
No. UG/ S ] of 2017-18

**CIRCULAR:-**

A reference is invited to the syllabi relating to the Bachelor of Arts (B.A.) Programme vide this office Circular No.UG/164 of 2016-17, dated 16<sup>th</sup> November, 2016 and the Principals of the affiliated Colleges in Arts are hereby informed that the recommendation made by the Board of Studies in Hindi at its meeting held on 4<sup>th</sup> March, 2017 has been accepted by the Academic Council at its meeting held on 11<sup>th</sup> May, 2017 vide item No.4.41 and that in accordance therewith, the revised syllabus as per the (CBCS) of F.Y.B.A. in Hindi (Compulsory & Ancillary) (Sem I & II), which is available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2017-18 to 2019-20.

MUMBAI - 400 032  
15<sup>th</sup> July, 2017  
To

  
(Dr.M.A.Khan)  
REGISTRAR

The Principals of the affiliated Colleges in Arts

A.C/4.41/11/05/2017

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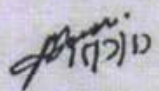
No. UG/ S ] -A of 2017

MUMBAI-400 032

15<sup>th</sup> July, 2017

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculty of Arts,
- 2) The Chairman, Board of Studies in Hindi,
- 3) The Offg. Director, Board of Examinations and Evaluation,
- 4) The Director of Board of Student Development,
- 5) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL),
- 6) The Co-Ordinator, University Computerization Centre,

  
(Dr.M.A.Khan)  
REGISTRAR

....PTO




**UNIVERSITY OF MUMBAI**  
No. UG/86 of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B. A. degree course vide this office Circular No.UG/159 of 2011 dated 20<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Arts Colleges are hereby informed that the recommendation made by Board of Studies in History & Archaeology at its meeting held on 25<sup>th</sup> May, 2016 has been accepted by the Academic Council at its meeting held on 24<sup>th</sup> June, 2016 vide item No. 4.21 and that in accordance therewith, the revised syllabus as per the Choice Based Credit System for the F.Y.B.A. in History & Archaeology (Sem.I & II), which is available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
October, 2016

  
(Dr.M.A.Khan)  
REGISTRAR

To,

The Principals of affiliated Colleges in Arts.

**A.C/4.21/24/06/2016**


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No. UG/86 -A of 2016-17

MUMBAI-400 032 25<sup>th</sup> October, 2016

Copy forwarded with compliments for information to:-

- 1) The Dean, Faculty of Arts,
- 2) The Chairman, Board of Studies in History,
- 3) The Director, Board of College and University Development,
- 4) The Controller of Examinations,
- 5) The Co-Ordinator, University Computerization Centre.
- 6) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL)

  
(Dr.M.A.Khan)  
REGISTRAR

PTO...



# **UNIVERSITY OF MUMBAI**



**Revised Syllabus for the S.Y.BA**

**Program: B.A**

**Course: ECONOMICS**

**SEMESTER III & IV APPLIED COMPONENT**

(As per Credit Based Semester and Grading System  
with effect from the **academic year 2017-2018**)

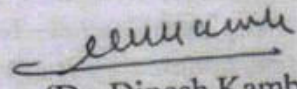


**UNIVERSITY OF MUMBAI**  
No. UG/25 of 2018-19

**CIRCULAR:-**

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty is invited to this office circular No.UG/21 of 2015-16, dated 17<sup>th</sup> July, 2015 relating to syllabus of Bachelor of Arts.

They are hereby informed that the recommendations made by the Board of Studies in Hindi at its meeting held on 24<sup>th</sup> April, 2018 have been accepted by the Academic Council at its meeting held on 5<sup>th</sup> May, 2018 vide item No. 4.2 and that in accordance therewith, the revised syllabus as per the (CBCS) for the S.Y.B.A. in Hindi-Sem. III & IV has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

MUMBAI-400 032  
22<sup>nd</sup> June, 2018  
To

The Principals of the, affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.2/05/05/2018

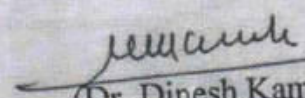
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No. UG/25 -A of 2018


MUMBAI-400 032 22<sup>nd</sup> June, 2018

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Humanities,
- 2) The Chairman, Board of Studies in Hindi,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL),
- 6) The Co-Ordinator, University Computerization Centre,

 15/6  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

②



**UNIVERSITY OF MUMBAI**  
No. UG/189 of 2017-18

**CIRCULAR:-**

A reference is invited to the syllabi relating to the Bachelor of Arts (B.A.) Programme vide this office Circular No.UG/50 of 2012-13, dated 28<sup>th</sup> June, 2012 and the Principals of the affiliated Colleges in Arts are hereby informed that the recommendations made by the Board of Studies in History & Archaeology at its meeting held on 23rd February, 2017 has been accepted by the Academic Council at its meeting held on 11<sup>th</sup> May, 2017 vide item No.4.66 and that in accordance therewith, the revised syllabus as per the (CBCS) of S.Y.B.A. History (History & Archaeology) (Sem III & IV), which is available on the University's website ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2017-18, accordingly.

MUMBAI - 400 032

9<sup>th</sup> August, 2017

To

The Principals of the affiliated Colleges in Arts.

A.C/4.66/11/05/2017

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No. UG/189 -A of 2017

MUMBAI-400 032

9<sup>th</sup> August, 2017

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculty of Arts and Humanities,
- 2) The Chairman, Board of Studies in History & Archaeology,
- 3) The Offg. Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL),
- 6) The Co-Ordinator, University Computerization Centre,

  
(Dr.M.A.Khan)  
REGISTRAR

....PTO

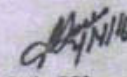


**UNIVERSITY OF MUMBAI**  
No. UG/19 / of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.A./B.Sc. degree course vide this office Circular No.UG/258 of 2011 dated 18<sup>th</sup> August, 2011 and the Principals of the affiliated Colleges in Arts & Science are hereby informed that the recommendation made by Board of Studies in Economics at its meeting held on 26<sup>th</sup> May, 2016 has been accepted by the Academic Council at its meeting held on 14<sup>th</sup> July, 2016 vide item No. 4.67 and that in accordance therewith, the revised syllabus as per the Choice Based Credit System for S.Y.B.A (Sem.III & IV)F.Y .B.Sc.(Sem. I & II) degree program in Microeconomics (Sem. I & II), which is available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI – 400 032  
3 December, 2016

  
(Dr.M.A.Khan)  
REGISTRAR

To,

The Principals of the affiliated Colleges in Arts & Science.

A.C/4.67/14.07.2016

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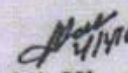
No. UG/19]-A of 2016

MUMBAI-400 032

3 December, 2016

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculties of Arts & Science,
- 2) The Chairman, Board of Studies in Mathematics,
- 3) The Professor-cum-Director, Institute of Distance & Open Learning
- 4) The Director, Board of College and University Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Controller of Examinations.

  
(Dr.M.A.Khan)  
REGISTRAR

...PTO





# University of Mumbai




No. UG/27 of 2019-20

**CIRCULAR:-**

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty is invited to this office Circular No. UG/299 of 2017-18, dated 7<sup>th</sup> November, 2017 relating to the revised syllabus as per (CBCS) of S.Y.B.A. Social Psychology Development Psychology and General Applied Component Option A Health Psychology, B Psychology of Adjustment, C Stress Management (Part I) (Sem. III) and (Part II) (Sem.IV).

They are hereby informed that the recommendations made by the Board of Studies in Psychology at its meeting held on 26<sup>th</sup> March, 2019 have been accepted by the Academic Council at its meeting held on 15<sup>th</sup> April, 2019 vide item No. 4.13 and that in accordance therewith, the revised syllabus as per the (CBCS) for the S.Y.B.A.(Sem.III & IV) Paper II Social Psychology, Paper III Development Psychology, Applied Components (a) Health Psychology, (b) Psychology of Adjustment, (c) Stress Management has been brought into force with effect from the academic year 2019-20, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032  
1<sup>st</sup> June, 2019  
To

  
(Dr. Ajay Deshmukh)  
REGISTRAR

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C./4.13/15/04/2019

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
No. UG/ 27 -A of 2019

MUMBAI-400 032

1<sup>st</sup> June, 2019

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Humanities,
- 2) The Chairman, Board of Studies in Psychology,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL),
- 5) The Director, Board of Students Development,
- 6) The Co-ordinator, University Computerization Centre,

  
(Dr. Ajay Deshmukh)  
REGISTRAR



**UNIVERSITY OF MUMBAI**

No. UG/58 of 2018-19

**CIRCULAR:-**

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty is invited to this office circular No. UG/270 of 2017-18, dated 26<sup>th</sup> October, 2017 relating to syllabus of Bachelor of Arts.

They are hereby informed that the recommendations made by the Board of Studies in Economics at its meeting held on 18<sup>th</sup> May, 2018 have been accepted by the Academic Council at its meeting held on 14<sup>th</sup> June, 2018 **vide** item No. 4.3 and that in accordance therewith, the revised syllabus as per the (CBCS) for the T.Y.B.A. in Economics – Sem V & VI has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI – 400 032

To 6<sup>th</sup> June, 2018  
July

(Dr. Dinesh Kamble)

I/c REGISTRAR

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C./4.3/14/06/2018

\*\*\*\*\*

No. UG/58 -A of 2018

MUMBAI-400 032

6<sup>th</sup> June, 2018  
July

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Humanities,
- 2) The Chairman, Board of Studies in Economics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Professor-cum-Director, Institute of Distance and Open Learning (IDOL),
- 6) The Co-Ordinator, University Computerization Centre,

(Dr. Dinesh Kamble)

I/c REGISTRAR



**UNIVERSITY OF MUMBAI**  
No. UG/85 of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the F.Y. B.Com degree course vide this office Circular No. UG/23 of 2012-13 dated 11<sup>th</sup> May, 2012 and the Principals of affiliated Colleges in Commerce are hereby informed that the recommendation made by Board Studies Business Economics at its meeting held on 27<sup>th</sup> May, 2016 has been accepted by the Academic Council at its meeting held on 24<sup>th</sup> June, 2016 vide item No. 4.17 and that in accordance therewith, the revised syllabus as per Choice Based Credit System in the course of Business Economics for F.Y.B.Com., for (Sem. I & II), which is available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
25<sup>th</sup> October, 2016

*(Signature)*  
25/10/16  
(Dr.M.A. Khan)  
REGISTRAR

To,  
The Principals of affiliated Colleges in Commerce.

A.C/4.17/24/06/2016

\*\*\*\*\*  
No. UG/85 -A of 2016-17 MUMBAI-400 032 25<sup>th</sup> October, 2016

Copy forwarded with compliments for information to:-

- 1) The Dean, Faculty of Commerce,
- 2) The Director, Board of College and University Development,
- 3) The Controller of Examinations,
- 4) The Professor-cum- Director, Institute of Distance and Open Learning (IDOL),
- 5) The Co-Ordinator, University Computerization Centre.

*(Signature)*  
25/10/16  
(Dr.M.A. Khan)  
REGISTRAR

PTO..

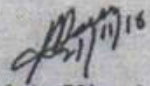


**UNIVERSITY OF MUMBAI**  
No. UG/178 of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.Com degree course vide this office Circular No. UG/140 of 2011 dated 14<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Commerce are hereby informed that the recommendation made by Board of Studies in Commerce at its meeting held on 21<sup>st</sup> June, 2016 has been accepted by the Academic Council at its meeting held on 14<sup>th</sup> July, 2016 vide item No. 4.79 and that in accordance therewith, the revised syllabus as per Choice Based Credit System for F.Y.B.Com. in Mathematical and Statistical Techniques (Sem. I & II), which is available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
22 November, 2016

  
(Dr.M.A. Khan)  
REGISTRAR

To,  
The Principals of affiliated Colleges in Commerce.

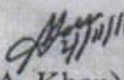
A.C/4.79 /14/07/2016

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No. UG/178 -A of 2016-17      MUMBAI-400 032      22 November, 2016

Copy forwarded with compliments for information to:-

- 1) The Co-ordinator, Faculty of Commerce,
- 2) The Director, Board of College and University Development,
- 3) The Controller of Examinations,
- 4) The Professor-cum- Director, Institute of Distance and Open Learning (IDOL),
- 5) The Co-Ordinator, University Computerization Centre.

  
(Dr.M.A. Khan)  
REGISTRAR

PTO..



University of Mumbai



**Revised Syllabus  
and  
Question Paper Pattern  
of Courses of  
Bachelor of Commerce Programme  
at  
Third Year  
Semester V and VI**

**Under Choice Based Credit, Grading and  
Semester System**

***To be implemented from Academic Year 2018-2019***

***Faculty of Commerce***

**UNIVERSITY OF MUMBAI**  
No. UG/153 of 2016-17



**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.Sc. degree course, vide this office Circular No. UG/127 of 2011, dated 13<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Science are hereby informed that the proposal of the concern Chairperson of Ad-hoc Board of Studies in Botany approved by the Academic Council at its meeting held on 14<sup>th</sup> July, 2016 vide item No. 4.1 and that in accordance therewith, the revised paper pattern as per Choice Based Credit System for New Scheme of Examination (Theory Paper) Pattern of F.Y.B.Sc. (Botany) (Sem. I & II), which are available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
/6 November, 2016

*(Signature)*  
(Dr.M.A.Khan)  
REGISTRAR

To,  
The Principals of the affiliated Colleges in Science.

A.C/4.1/14.07.2016

\*\*\*\*\*

No. UG/153A of 2016

MUMBAI-400 032

/8 November, 2016

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculties of Science,
- 2) The Chairman, Board of Studies in Botany,
- 3) The Professor-cum-Director, Institute of Distance & Open Learning (IDOL)
- 4) The Director, Board of College and University Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Controller of Examinations.

*(Signature)*  
(Dr.M.A.Khan)  
REGISTRAR

PTO..

**UNIVERSITY OF MUMBAI**  
No. UG/166 of 2016-17



**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.Sc. degree course, **vide** this office Circular No. UG/128 of 2011, dated 13<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Science are hereby informed that the recommendation made by the Ad-hoc Board of Studies in Chemistry at its meeting held on 7<sup>th</sup> July, 2016 has been accepted by the Academic Council meeting held on 14<sup>th</sup> July, 2016 **vide** item No. 4.12 and that in accordance therewith, the revised syllabus as per the Choice Based Credit System for F.Y. B.Sc. programme in Chemistry (Sem. I & II), which are available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

*M.A.Khan*  
(Dr.M.A.Khan)  
REGISTRAR

MUMBAI - 400 032  
19 November, 2016  
To,

The Principals of the affiliated Colleges in Science.

A.C/4.12/14.07.2016

\*\*\*\*\*

No. UG/166 -A of 2016

MUMBAI-400 032

19 November, 2016

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculties of Science,
- 2) The Chairman, Board of Studies in Chemistry,
- 3) The Professor-cum-Director, Institute of Distance & Open Learning (IDOL)
- 4) The Director, Board of College and University Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Controller of Examinations.

*M.A.Khan*  
(Dr.M.A.Khan)  
REGISTRAR

PTO..



**UNIVERSITY OF MUMBAI**  
No. UG/69 of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.Sc. degree course, vide this office Circular No. UG/131 of 2011, dated 13<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Science are hereby informed that the recommendation made by Board Studies in Physics at its meeting held on 24<sup>th</sup> May, 2016 has been accepted by the Academic Council meeting held on 24<sup>th</sup> June, 2016 vide item No. 4.50 and that in accordance therewith, the revised syllabus as per the Credit Based Semester and Grading System for F.Y. B.Sc. Physics (Sem.I & II), which are available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
21<sup>st</sup> September, 2016

  
(Dr.M.A.Khan)  
REGISTRAR

To,

The Principals of the affiliated Colleges in Science.

A.C/4.50/24.06.2016

No. UG/69 -A of 2016

MUMBAI-400 032

21<sup>st</sup> September, 2016

Copy forwarded with Compliments for information to:-

- 1) The Deans, faculties of Science,
- 2) The Chairman, Board of Studies in Physics,
- 3) The Professor-cum-Director, Institute of Distance & Open Learning (IDOL)
- 4) The Director, Board of College and University Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Controller of Examinations.

  
(Dr.M.A.Khan)  
REGISTRAR

PTO..






**UNIVERSITY OF MUMBAI**  
No. UG/ 180 of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.Sc. degree course , vide this office Circular No. UG/133 of 2011, dated 13<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Science are hereby informed that the recommendation made by the Board of Studies in Statistics at its meeting held on 14<sup>th</sup> June, 2016 has been accepted by the Academic Council meeting held on 14<sup>th</sup> July, 2016 vide item No. 4.85 and that in accordance therewith, the revised syllabus as per the Choice Based Credit System for F.Y. B.Sc. programme in Statistics (Sem. I &II), which are available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
22 November, 2016

  
(Dr.M.A.Khan)  
REGISTRAR

To,

The Principals of the affiliated Colleges in Science.

A.C/4.85/14.07.2016

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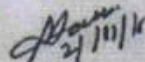
No. UG/ 180 -A of 2016

MUMBAI-400 032

22-November, 2016

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculties of Science,
- 2) The Chairman, Board of Studies in Zoology,
- 3) The Professor-cum-Director, Institute of Distance & Open Learning (IDOL)
- 4) The Director, Board of College and University Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Controller of Examinations.

  
(Dr.M.A.Khan)  
REGISTRAR

PTO..



**UNIVERSITY OF MUMBAI**

No. UG/179 of 2016-17

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.Sc. degree course, **vide** this office Circular No. UG/132 of 2011, dated 13<sup>th</sup> June, 2011 and the Principals of affiliated Colleges in Science are hereby informed that the recommendation made by the Board of Studies in Zoology at its meeting held on 29<sup>th</sup> June, 2016 has been accepted by the Academic Council meeting held on 14<sup>th</sup> July, 2016 **vide** item No. 4.80 and that in accordance therewith, the Scheme of Examination (Theory) & Paper Pattern as per the Choice Based Credit System for F.Y. B.Sc. programme in Zoology (Sem. I & II), which are available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2016-17.

MUMBAI - 400 032  
22 November, 2016

*M.A.Khan*  
21/11/16  
(Dr.M.A.Khan)  
REGISTRAR

To,

The Principals of the affiliated Colleges in Science.

A.C/4.80/14.07.2016

\*\*\*\*\*

No. UG/179 -A of 2016

MUMBAI-400 032

22 November, 2016

Copy forwarded with Compliments for information to:-

- 1) The Co-ordinator, Faculties of Science,
- 2) The Chairman, Board of Studies in Zoology,
- 3) The Professor-cum-Director, Institute of Distance & Open Learning (IDOL)
- 4) The Director, Board of College and University Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Controller of Examinations.

*M.A.Khan*  
21/11/16  
(Dr.M.A.Khan)  
REGISTRAR

PTO..

# University of Mumbai



No. UG/55 of 2019-20

## CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Commerce & Management Faculty is invited to this office Circular No. UG/122 of 2018-19, dated 20<sup>th</sup> October, 2018 relating to the revised syllabus and Question Paper Pattern as per (CBCGSS) for the S.Y.B..Com. Programme (Sem. III & IV).

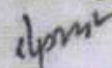
They are hereby informed that the recommendations made by the Board of Studies in Accountancy at its meeting held on 10<sup>th</sup> April, 2019 have been accepted by the Academic Council at its meeting held on 15<sup>th</sup> April, 2019 vide item No. 4.46 and that in accordance therewith, the revised Question Paper Pattern as per the (CBCS) for the S.Y.B.Com. Programme in Sem.III & IV of

- a) Accountancy and Financial Management Paper – III
- b) Financial Accounting and Auditing (Introduction to Management Accounting)
- c) Accountancy and Financial Management Paper – IV
- d) Financial Accounting and Auditing (Auditing),

has been brought into force with effect from the academic year 2019-20, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI – 400 032  
12<sup>th</sup> July, 2019

To

  
(Dr. Ajay Deshmukh)  
REGISTRAR

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Commerce & Management Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C./4.46/15/04/2019

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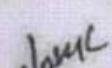
No. UG/55 -A of 2019

MUMBAI-400 032

12<sup>th</sup> July, 2019

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Commerce & Management,
- 2) The Chairman, Board of Studies in Accountancy,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Professor-cum-Director, Institute of Distance and Open Learning (IDOI.)
- 5) The Director, Board of Students Development,
- 6) The Co-ordinator, University Computerization Centre,

  
(Dr. Ajay Deshmukh)  
REGISTRAR

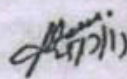


**UNIVERSITY OF MUMBAI**  
No. UG/110 of 2017-18

**CIRCULAR:-**

The Principals of the affiliated Colleges in Science and the Directors of recognized Science Institutions concerned are hereby informed that in continuation syllabi relating to Bachelor of Science degree Course (S.Y.B.Sc) passed by the Academic Council at its meeting held on 26/2/2015, vide item No. 4.33 and proposal received from Chairperson, Board of Studies in Botany has been accepted by the Academic Council at its meeting held on 11<sup>th</sup> May, 2017 vide item no. 4.214 and that in accordance therewith, the revised syllabus as per the (CBCS) for S.Y.B.Sc Paper – II (Sem - III) Programme in the Course of Botany, which is available on the University's website ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2017-18.

MUMBAI – 400 032  
27<sup>th</sup> July, 2017

  
REGISTRAR

To,

The Principals of the affiliated Colleges in Science and the Directors of Recognized Institutions concerned.

A.C/4.214/11.05.2017

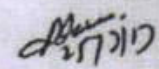
No. UG/110 -A of 2017

MUMBAI-400 032

27<sup>th</sup> July, 2017

Copy forwarded with compliments for information to :-

- 1) The Co-ordinator, Faculty of Science,
- 2) The Offg. Director, Board of Examinations and Evaluation,
- 3) The Chairperson, Board of Studies in Botany,
- 4) The Director of Board of Studies Development,
- 5) The Professor-cum-Director, Institute of Distance and Open Learning.
- 6) The Co-Ordinator, University Computerization Centre.

  
REGISTRAR

....PTO



**UNIVERSITY OF MUMBAI**  
No. UG/ 13 of 2017

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the B.A / B.Sc degree course, vide this office Circular No. UG/90 of 2012-13, dated 8<sup>th</sup> November, 2012 and the Principals of the affiliated Colleges in Arts & Science are hereby informed that the recommendation made by Board of Studies in Mathematics at its meeting held on 27<sup>th</sup> March, 2017, has been accepted by the Academic Council at its meeting held on 11<sup>th</sup> May, 2017 vide item No. 4.193 and that in accordance therewith, in revised syllabus as per the (CBCS) for S.Y.B.A / S.Y.B.Sc (Mathematics) (Sem III & IV) which is available on the University's website ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2017-18.

*(Signature)*

REGISTRAR

MUMBAI - 400 032  
31<sup>st</sup> July, 2017

To,

The Principal of the affiliated Colleges in Arts / Science and the Head of Recognized Institutions concerned.

A.C/4.193/11.05.2017

No. UG/13 -A of 2017

MUMBAI-400 032

31<sup>st</sup> July, 2017

Copy forwarded with compliments for information to :-

- 1) The Co-ordinator, Faculty of Arts / Science,
- 2) The Offg. Director, Board of Examinations and Evaluation,
- 3) The Director, Board of Students Development,
- 4) The Professor-cum-Director, Institute of Distance and Open Learning.
- 5) The Co-Ordinator, University Computerization Centre.

*(Signature)*

REGISTRAR

...PTO.



**UNIVERSITY OF MUMBAI**  
No. UG/14 of 2018-19

**CIRCULAR:-**

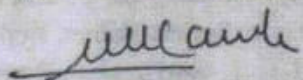
Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Science & Technology Faculty is invited to this office Circular No. UG/95 of 2015-16, dated 5<sup>th</sup> October, 2015 relating to syllabus of the Bachelor of Science (B.Sc.) degree course.

They are hereby informed that the recommendations made by the Board of Studies in Botany at its meeting held on 9<sup>th</sup> April, 2018 have been accepted by the Academic Council at its meeting held on 5<sup>th</sup> May, 2018 vide item No. 4.25 and that in accordance therewith, the revised syllabus as per the (CBCS) for the T.Y.B.Sc. in Botany (Sem -V & VI), has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032

11<sup>th</sup> June, 2018

To

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

The Principals of the affiliated Colleges & Directors of the recognized Institutions in Science & Technology Faculty. (Circular, No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.25/05/05/2018

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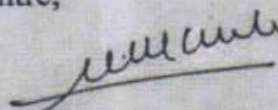
No. UG/14 -A of 2018

MUMBAI-400 032

11<sup>th</sup> June, 2018

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies in Botany,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-Ordinator, University Computerization Centre,

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR



**UNIVERSITY OF MUMBAI**

No. UG/73 of 2018-19

**CIRCULAR:-**

Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Science & Technology Faculty is invited to this office Circular Nos. UG/156 of 2016-17, dated 16<sup>th</sup> November, 2016 relating to syllabus of the Bachelor of Science (B.Sc.) degree course.

They are hereby informed that the recommendations made by the Board of Studies in Chemistry at its meeting held on 28<sup>th</sup> May, 2018 have been accepted by the Academic Council at its meeting held on 14<sup>th</sup> June, 2018 vide item No. 4.41 and that in accordance therewith, the revised syllabus as per the (CBCS) for the Chemistry of T.Y.B.Sc. Physical Chemistry, Inorganic Chemistry, Organic Chemistry and Analytical Chemistry (Sem - V & VI) (3 and 6 Units) including Applied Component Drugs and Dyes, Heavy Fine Chemicals and Petrochemicals has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032

To 6<sup>th</sup> June, 2018  
July

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

The Principals of the affiliated Colleges & Directors of the recognized Institutions in Science & Technology Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C./4.41/14/06/2018

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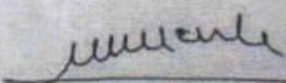
No. UG/ 73 -A of 2018

MUMBAI-400 032

6<sup>th</sup> June, 2018  
July

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies in Chemistry,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-Ordinator, University Computerization Centre,

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR



**UNIVERSITY OF MUMBAI**

No. UG/9 of 2018-19

**CIRCULAR:-**

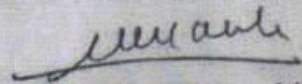
Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities, Sci. & Tech. Faculties is invited to this office Circular No.UG/122 of 2017-18 dated 28<sup>th</sup> July, 2017 relating to syllabus of the B.A./B.Sc. degree course.

They are hereby informed that the recommendations made by the Board of Studies in Mathematics at its meeting held on 3<sup>rd</sup> May, 2018 have been accepted by the Academic Council at its meeting held on 5<sup>th</sup> May, 2018 vide item No. 4.71 and that in accordance therewith, the revised syllabus as per the (CBCS) for the T.Y.B.A./T.Y.B.Sc. in Mathematics (Sem. -V) Paper-I Integral Calculus, Paper-III Topology of Metric Spaces and (Sem.VI) Paper-I Basic Complex Analysis, Paper-III Topology of Metric Spaces and Real Analysis, has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032

12<sup>th</sup> June, 2018

To

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

The Principals of the affiliated Colleges & Directors of the recognized Institutions in Humanities, Sci. & Tech. Faculties. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.71/05/05/2018

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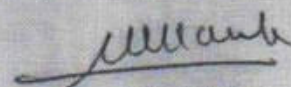
No. UG/ 9 -A of 2018

MUMBAI-400 032

12<sup>th</sup> June, 2018

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculties of Humanities, Science & Technology,
- 2) The Chairman, Board of Studies in Mathematics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-Ordinator, University Computerization Centre,
- 6) The Professor-cum-Director, Institute of Distance & Open Learning.

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR





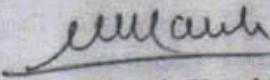
**UNIVERSITY OF MUMBAI**  
No. UG/8 of 2018-19

**CIRCULAR:-**

Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Science & Technology Faculty is invited to this office Circular Nos. UG/264 of 2017-18, dated 23<sup>rd</sup> October, 2017, UG/287 of 2017-18, dated 30<sup>th</sup> October, 2017 and UG/263 of 2017-18, dated 23<sup>rd</sup> October, 2017 relating to syllabus of the Bachelor of Science (B.Sc.) degree course.

They are hereby informed that the recommendations made by the Board of Studies in Physics at its meeting held on 23<sup>rd</sup> April, 2018 have been accepted by the Academic Council at its meeting held on 5<sup>th</sup> May, 2018 vide item No. 4.26 and that in accordance therewith, the revised syllabus as per the (CBCS) for the T.Y.B.Sc. in Physics including Applied Component - Electronic Instrumentation (EI) & Computer Course (CS) (Sem -V & VI), has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032  
12<sup>th</sup> June, 2018  
To

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

The Principals of the affiliated Colleges & Directors of the recognized Institutions in Science & Technology Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.26/05/05/2018

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No. UG/ 8 -A of 2018

MUMBAI-400 032

12<sup>th</sup> June, 2018

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies in Physics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-Ordinator, University Computerization Centre,

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR



**UNIVERSITY OF MUMBAI**

No. UG/24 of 2018-19

**CIRCULAR:-**

Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Science & Technology Faculty is invited to this office Circular No. UG/108 of 2010, dated 29<sup>th</sup> May, 2010 relating to syllabus of the Bachelor of Science (B.Sc.) degree course.

They are hereby informed that the recommendations made by the Board of Studies in Statistics at its meeting held on 3<sup>rd</sup> May, 2018 have been accepted by the Academic Council at its meeting held on 5<sup>th</sup> May, 2018 vide item No. 4.70 and that in accordance therewith, the revised syllabus as per the (CBCS) for the T.Y.B.Sc. in Statistics (Sem -V & VI) of Applied Component in the subject of Elements of Operation Research - I & II and Practical's based on theory, has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032

14<sup>th</sup> June, 2018

To

(Dr. Dinesh Kamble)  
I/c REGISTRAR

The Principals of the affiliated Colleges & Directors of the recognized Institutions in Science & Technology Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.70/05/05/2018

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No. UG/24 -A of 2018

MUMBAI-400 032

14<sup>th</sup> June, 2018

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies in Statistics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-Ordinator, University Computerization Centre,

(Dr. Dinesh Kamble)  
I/c REGISTRAR



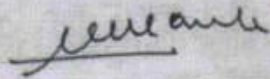
**UNIVERSITY OF MUMBAI**  
No. UG/51 of 2018-19

**CIRCULAR:-**

Attention of the Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities and Sci. & Tech. Faculty is invited to this office Circular No. UG/107 of 2010, dated 29<sup>th</sup> May, 2010 and Circular No. UG/108 of 2010 dated 28<sup>th</sup> May, 2010 relating to syllabus of the B.A./B.Sc. degree course.

They are hereby informed that the recommendations made by the Board of Studies in Statistics at its meeting held on 3<sup>rd</sup> May, 2018 have been accepted by the Academic Council at its meeting held on 5<sup>th</sup> May, 2018 vide item No. 4.69 and that in accordance therewith, the revised syllabus as per the (CBCS) for the T.Y.B.A./B.Sc. in Statistics (Sem - V & VI), has been brought into force with effect from the academic year 2018-19, accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032  
26<sup>th</sup> June, 2018  
To

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

The Principals of the affiliated Colleges & Directors of the recognized Institutions in Humanities and Sci. & Tech. Faculty. (Circular No. UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.69/05/05/2018

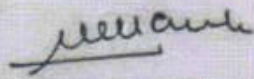
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No. UG/ 51 -A of 2018

MUMBAI-400 032 26<sup>th</sup> June, 2018

Copy forwarded with Compliments for information to:-

- 1) The I/c Dean, Faculty of Humanities and Science & Technology,
- 2) The Chairman, Board of Studies in Statistics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-Ordinator, University Computerization Centre,

  
(Dr. Dinesh Kamble)  
I/c REGISTRAR

# University of Mumbai



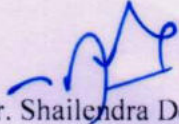
No. AAMS\_UGS/ICC/2022-23/ 105

CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the Recognized Institutions in Faculty of Science & Technology is invited to this office circular No. UG/166 of 2016-17 dated 19<sup>th</sup> November, 2016 relating to the revised syllabus F.Y.B.Sc.(Chemistry) (Sem . I & II) (CBCS).

They are hereby informed that the recommendations made by the Board of Studies in **Chemistry** at its meeting held on 09<sup>th</sup> June, 2022 and subsequently passed in the Faculty and then by the Board of Deans at its meeting held on 5<sup>th</sup> July, 2022 vide item No. 6.5 (R) have been accepted by the Academic Council at its meeting held on 11<sup>th</sup> July, 2022 vide item No. 6.5 (R) and that in accordance therewith, the revised syllabus of F.Y.B.Sc.(Chemistry) (Sem . I & II) (CBCS). has been brought into force with effect from the academic year 2022-23. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI – 400 032  
11<sup>th</sup> October, 2022

  
(Dr. Shailendra Deolankar)  
I/c Registrar

To

The Principals of the Affiliated Colleges and Directors of the Recognized Institutions in Faculty of Science & Technology.

A.C/6.5(R)/11/07/2022

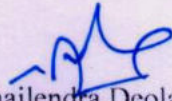
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No. AAMS\_UGS/ICC/ 2022-23/ 105

11<sup>th</sup> October, 2022

Copy forwarded with Compliments for information to:-

- 1) The Dean, Faculty of Science & Technology,
- 2) The Chairman, Board of Studies Chemistry,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Director, Department of Information & Communication Technology,
- 6) The Co-ordinator, MKCL.

  
(Dr. Shailendra Deolankar)  
I/c Registrar

Desktop/Circular Faculty of Science/priya

# University of Mumbai



No. UG/17 of 2020-21

## CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Humanities, Science & Technology Faculty is invited to this office circular No.UG/57 of 2018-19, dated 6<sup>th</sup> July, 2018 relating to the revised syllabus for the F.Y.B.Sc/F.Y.B.A. in Mathematics (Sem. I & II).

They are hereby informed that the recommendations made by the Board of Studies in Mathematics at its meeting held on 11<sup>th</sup> March, 2020 vide item No.1 and subsequently made by the Board of Deans at its meeting held on 20<sup>th</sup> July, 2020 vide item No.54 have been accepted by the Academic Council at its meeting held on 23<sup>rd</sup> July, 2020 vide item No. 4.106, and that in accordance therewith, the revised syllabus/practical book of F.Y. B.Sc./ F.Y.B.A. in Mathematics under the (CBCS) in 75:25 pattern has been brought into force with effect from the academic year 2020 -21 accordingly. (The same is available on the University's website [www.mu.ac.in](http://www.mu.ac.in)).

MUMBAI - 400 032  
17<sup>th</sup> November, 2020  
To

  
(Dr. Vinod Patil)  
I/c REGISTRAR

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Humanities, Science & Technology Faculty. (Circular No.UG/334 of 2017-18 dated 9<sup>th</sup> January, 2018.)

A.C/4.106/23/07/2020

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No. UG/17 -A of 2020-21

MUMBAI-400 032

17<sup>th</sup> November, 2020

Copy forwarded with Compliments for information to:-

- 1) The Dean, Faculty of Humanities, Science & Technology.
- 2) The Chairman, Board of Studies in Mathematics,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-ordinator, University Computerization Centre,

  
(Dr. Vinod Patil)  
I/c REGISTRAR

AC 25/05/2011, Item No. 4.102

Pamphlet no. \_\_\_\_\_

## University of Mumbai



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NAAC ACCREDITED WITH 'A' GRADE  
(2012-2017)

# Modified Ordinances and Regulations

With Respect to

**Semester and Choice Based Credit System  
(CBCS)**

For the Programmes Under

**The Faculty of Arts, Commerce & Science**

With effect from the Academic year

**2012-13**

**R. 8435: The Scheme of Examination:****FACULTY OF COMMERCE**

The performance of the learners shall be evaluated in two components: Internal Assessment with 40% marks by way of continuous evaluation and by Semester End Examination with 60% marks by conducting the theory examination.

**INTERNAL ASSESSMENT:-** It is defined as the assessment of the learners on the basis of continuous evaluation as envisaged in the credit based system by way of participation of learners in various academic and correlated activities in the given semester of the programme.

**A). Internal Assessment – 40%****40 marks****1. For Courses without practical.**

Sr. No.	Particulars	Marks
1	<b>ONE</b> class test/ case study / online examination to be conducted in the given semester	20 Marks
2	One assignment based on curriculum to be assessed by the teacher concerned	10 Marks
3	Active participation in routine class instructional deliveries	05 Marks
4	Overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic actives	05 Marks

**2. For Courses with Practical.**

Sr. No.	Particulars	Marks	
1	Semester End Practical Examination	20 Marks	
	Journal		05 Marks
	Viva		05 Marks
	Laboratory Work		10 Marks
2.	One assignment/project with class presentation to be assessed by teacher concerned	10 Marks	
	Presentation		05 Marks
	Written Document		05 Marks

3	Active participation in routine class instructional deliveries	05 Marks
4	Overall conduct as a responsible learner, mannerism and articulation and exhibit of leadership qualities in organizing related academic actives	05 Marks

**SEMESTER END EXAMINATION:-** It is defined as the examination of the learners on the basis of performance in the semester end theory / written examinations.

**B. Semester End Examination --- 60 %**

**60 Marks**

- 1) Duration – These examinations shall be of 2 Hours duration.
- 2) Question Paper Pattern:-
  - i. There shall be four questions each of 15 marks.
  - ii. All questions shall be compulsory with internal choice within the questions.
  - iii. Question may be sub-divided into sub-questions a, b, c, d & e only and the allocation of marks depends on the weightage of the topic.

The assessment of **Part 'A' i.e. Internal Assessment** and **Part 'B' i.e. Semester End Examination** as mentioned above for the Semesters I to IV shall be processed by the Colleges / Institutions of their learners and issue the grade cards to them after the conversion of marks into grade as per the procedure mentioned in this manual. The format of the grade card is given in the Chapter 5 of the manual to maintain the uniformity across the all colleges for the examinations conducted by the colleges on behalf of the University.

The assessment of **Part 'A' i.e. Internal Assessment** as mentioned above for the **Semesters V & VI shall be processed by the Colleges / Institutions** of their learners admitted for the programme while the University shall conduct the assessment of **Part 'B' i.e. Semester End Examination** for Semesters V & VI. The Internal Assessment marks of learners appearing for Semesters V & VI shall be submitted to the University by the respective colleges/ Institutions before the commencement of respective Semester End Examinations. The Semester End Examinations for Semesters V & VI shall be conducted by the University and the results shall be declared after processing the internal assessment and the marks awarded to the learners. The grade card shall be issued by the University after converting the marks into grades.

**THE MARKS OF THE INTERNAL ASSESSMENT SHOULD NOT BE DISCLOSED TO THE STUDENTS TILL THE RESULTS OF THE CORRESPONDING SEMESTER IS DECLARED.**



## **R.8436 PASSING STANDARD AND PERFORMANCE GRADING:**

### **PASSING STANDARD**

The learners to pass a course shall have to obtain a minimum of 40% marks in aggregate for each course where the course consists of Internal Assessment & Semester End Examination. The learners shall obtain minimum of 40% marks (i.e. 16 out of 40) in the Internal Assessment and 40% marks in Semester End Examination (i.e. 24 Out of 60) separately, to pass the course and minimum of Grade E in each project, wherever applicable, to pass a particular semester. A learner will be said to have passed the course if the learner passes the Internal Assessment & Semester End Examination together.

### **PERFROMANCE GRADING:**

The PERFORMANCE GRADING of the learners shall be on the SEVEN point ranking system as under:

Grade	Marks	Grade Points
O	70 & above	7
A	60 to 69.99	6
B	55 to 59.99	5
C	50 to 54.99	4
D	45 to 49.99	3
E	40 to 44.99	2
F (Fail)	39.99 & below	1

*The performance grading shall be based on the aggregate performance of Internal Assessment and Semester End Examination.*

### **R: 8437 CARRY FORWARDS OF MARKS IN CASE OF A LEARNER WHO FAILS IN THE INTERNAL ASSESSMENT AND/OR SEMESTER END ASSESSMENT IN ONE OR MORE SUBJECTS:**

- 1) A learner who PASSES in the Internal Examination but FAILS in the Semester End Examination of the course shall reappear for the Semester End Examination of that course. However his/her marks of the Internal Examinations shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
- 2) A learner who PASSES in the Semester End Examination but FAILS in the Internal Assessment of the course shall reappear for the Internal Examination of that course. However his/her marks of

the Semester End Examination shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.

3) **A) For Courses without practical (for Faculty of Arts, Commerce & Science including Foundation Course Paper I & II)**

In case of a learner who is reappearing for the Internal Examination, the examination will consist of one project of 40 marks which will be divided into 20 marks for the documentation of the project, 10 marks for the presentation and 10 marks for the viva and the interaction.

**B) For Courses with practical/field work (for Arts & Commerce Faculty)**

In case of a learner who is reappearing for the Internal Examination for subjects with Practical/fieldwork, the examinations will consist of practical examination of 40 marks which will be divided into 20 marks for the laboratory work, 10 marks for the Viva Examination and 10 marks for the Journal.

**For courses with practical for the program under Faculty of Science,** In case of learners who is reappearing for the internal Assessment of the Practical Course, the internal assessment will consist of one project of 40 marks which will be divided into 20 marks for the documentation of the project, 10 marks for the presentation and 10 marks for the viva and the interaction and the marks thus obtained out of 40 will be converted to marks out of 20 (marks in decimal after conversion will be moved to the next integer).

**R.8438 ALLOWED TO KEEP TERMS (ATKT): (Applicable to the courses under Faculty of Arts & Faculty of Commerce):**

a. A learner shall be allowed to keep term for Semester II irrespective of number of courses of failure in the Semester I.

b. A learner shall be allowed to keep term for Semester III if he/she passes each of Semester I and Semester II

**OR**

**A learner fails in not more than FOUR courses of Semester I and Semester II taken together with not more than TWO courses at each of Semester I & Semester II.**

c. A learner shall be allowed to keep term for Semester IV irrespective of number of courses of failure in Semester III.

d. A learner shall be allowed to keep term for Semester V if he/she passes Semester I, Semester II, Semester III and Semester IV

**OR**

A learner shall pass Semester I and Semester II and fails in not more than **FOUR** courses of Semester III and Semester IV taken together with not more than **TWO** courses at each of Semester III & Semester IV.

- e. A learner shall be allowed to keep term for Semester VI irrespective of number of courses of failure in the Semester V
- f. The learner can appear for the semester VI examination (subject to 9d) & 9e) above) but the result of Semester VI shall be kept in abeyance until the learner passes each of Semester I, Semester II, Semester III, Semester IV and Semester V.

#### **R. 8439 ADDITIONAL EXAMINATION:**

##### **INTERNAL ASSESSMENT:**

##### **Eligibility norms to appear for the additional class test or assignment or project for learners who remained absent:**

- a. The learner must apply to the Head of the Institution giving the reason(s) for absence within 8 days of the conduct of the examination along with the necessary documents and testimonials.
- b. If the learner is absent for participation in Inter Collegiate events, State or National or International level events, Training camp or coaching camp organized by authorized university or state or national or international bodies, NSS / NCC Events / Camps / cultural activities / sports activities / research festival or any other activities authenticated by the head of the institution, the head of the Institution shall generally grant permission to the learner to appear for the additional class test or assignment.
- c. The Head of the Institution, on scrutiny of the documents and testimonials, may grant the permission to the learner to appear for the additional examination.
- d. **It is not the right of the learner, who has failed or has remained absent, to appear for the additional examination without fulfilling the norms prescribed by the Head of the Institution / Department / Principal of the College.**

##### **Class test or assignment for Internal Assessment for courses without practical: (for Commerce Faculty):**

- a. A learner who is absent for the class test and the assignment will be declared fail in the Internal Assessment Scheme.
- b. A learner who remains absent for the class test but has appeared for the assignment will be allowed to appear for the additional class test.
- c. A learner who has appeared for the class test but remains absent for the assignment will be allowed to appear for the additional assignment.

**Class test or assignment for Internal Assessment for Courses with practical:**

- a. A learner who is absent for the Semester End Practical Examination and the assignment/project will be declared fail in the Internal Assessment Scheme.
- b. A learner who is absent for the Semester End Practical Examination and has appeared for the assignment will be awarded marks for the Journal (out of 5 marks) & Viva (out of 5 marks) component of the Semester End Examination. Thus he will be evaluated for 10 marks instead of 20 marks and will lose the 10 marks for the Laboratory work. However, his marks for the Semester End Practical Examination will be taken as out of 20 (without conversion i.e. if the learner gets 4/10 marks in for Journal & Viva, his/her marks for the Semester End Practical Examination will be taken as 4/20) and internal assessment will be calculated as out of 40 marks and not 30 marks.
- c. A learner who has appeared for Semester End Practical Examination but remains absent for the assignment will be allowed to appear for the additional assignment and the internal assessment will be calculated as out of 40 marks.

**The Additional Class Test (or viva examination) or Assignment must be conducted 15 days prior to the commencement of the Semester End Examination after following the necessary procedure and completing the formalities.**

**SEMESTER END EXAMINATIONS**

**ELIGIBILITY TO APPEAR FOR ADDITIONAL SEMESTER END EXAMINATION:**

A learner who does not appear i.e. remains absent in some or all the courses on medical grounds or for representing the college / university in sports, cultural activities, activities of NSS, NCC or sports training camps conducted by recognized bodies / competent authorities or for any other reason which is considered valid under exceptional circumstances and to the satisfaction of the Principal or the Head of the Institute OR fails in some or all the subjects is eligible to appear for the additional examination.

A learner who does not appear for both the Internal Assessment and Semester End Examination shall not be eligible to appear for the additional Semester End Examination.

The additional Semester End Examination shall be of two hours duration and of 60 marks per course. The learner shall appear for the course of the Semester End Examination for which he/she was absent or has failed. Learners who are punished under O.5050 are not eligible to appear for this additional examination.

**It is not the right of the learner, who has failed or has remained absent, to appear for the additional examination without fulfilling the norms prescribed by the Head of the Institution / Department / Principal of the College.**

#### **MODE OF CONDUCT OF SEMESTER END ADDITIONAL EXAMINATION:**

- a) There will be one additional examination for semester I, II, III and IV for those who have failed or remained absent.
- b) The absent learner will be allowed to appear for the examination by the head of the institution after following the necessary formalities subject to the reasons to the satisfaction of the head of the institution.
- c) This examination will be held 20 days after the declaration of results but not later than 40 days.

#### **PROJECT EVALUATION (IF APPLICABLE)**

1. A learner who PASSES IN ALL THE COURSES BUT DOES NOT secure minimum grade of E in project as applicable has to resubmit a fresh project till he/she secures a minimum of grade E.
2. The credits and grade points secured by him/her in the other courses will be carried forward and he/she shall be entitled for grade obtained by them on passing of all the courses.
3. The evaluation of project and viva/voce examination shall be done by marks only and then it will be converted into grade in the seven point scale and award the same to the learner.
4. A learner shall have to obtain minimum of grade E (or its equivalent marks) in project evaluation and viva/voce taken together to obtain 40% marks in project work.

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