



**Revised Programme**  
**For M. Sc.Horizontal -**  
**Mobility Sem I & Sem III**  
**(CBCS) Nov/Dec 2018**

**SHIVAJI UNIVERSITY, KOLHAPUR.**  
**Circular No 564 Exam. Nov/Dec 2018 Exam**

Revised Programme for the university Examination of **M.Sc Horizontal Mobility Sem I and Sem III (Bio-tech, Bio-Che, Micro, Env-Biotech, Pharmaceutical Microbiology Choice Base Credit System C.B.C.S.** Examination to be held in Nov/Dec 2018 Exam

\* 1. **The Written Examination will be held at following centre and Places declared:-**

Sr. No	Center	Exam	Places
01	KOLHAPUR	M.ScHorizontal Mobility 1) Bio-technology 2) Bio-chemistry 3) Microbiology, 4) Env-Biotechnology 5) Pharmaceutical Microbiology	University Teaching concerne department. Shivaji University Campus. KOLHAPUR

## M.Sc. Horizontal Mobility ( C.B.C.S.)

Exam Center :- Kolhapur

		Branch Code      HORIZONTAL MOBILITY ( C.B.C.S.)    Oct- 2013		
		Part I :- Sem.-I		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
<b>Paper No. I :- Choose Any One Of the Following</b>				
I	59789-Microbiology/Pharmaceutical Microbiology 59777-Biochemistry 59815-Biotechnology 59852-Enviornmental- Biotechnology	* Cell Biology, Microbiology and Virology	Friday 30-11-2018	From 10.30 AM  To 1.30 PM
	64041- Biochemistry,Enviornmental – Biotech, Biotechnology	*Cell Biochemistry		
II	59790-Microbiology/Pharmaceutical Microbiology 59778-Biochemistry 59816--Biotechnology 59853- Enviornmental- Biotechnology	* Protein – Structure & Function	Monday 3-12-2018	
III	59791- Microbiology/Pharmaceutical Microbiology 59779-Biochemistry 59817--Biotechnology 59854- Enviornmental- Biotechnology	* Biomolecules	Wednesday 5-12-2018	
IV	59792-Microbiology/Pharmaceutical Microbiology 59780-Biochemistry 59818--Biotechnology 59855- Enviornmental- Biotechnology	* Biostatistics and Bioinformatics with Computer Orientation	Friday 7-12-2018	
	59781-Biochemistry 59793- Microbiology/ Pharmaceutical Microbiology 59819-biotechnology 59856- Environmental Biotechnology	Laboratory Course - I		
	59782- Biochemistry 59794- Microbiology/ Pharmaceutical Microbiology 59820- Biotechnology 59857- Environmental Biotechnology	Laboratory Course - II		Internal Exam

**Note :- { \*Common Paper with Biochemistry, Biotechnology, Env. Biotechnology & Microbiology  
Pharmaceutical Microbiology }**

## M.Sc. BIOCHEMISTRY [ C.B.C.S.]

Exam Center:- Kolhapur

		Branch Code - BIOCHEMISTRY (C.B.C.S.)	From Oct. 2014	
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64159-Biochemistry 64179-Biotechnology 63243-Microbiology 64185-Environmental Biotechnology 69583-pharmaceutical Microbiology	* Genetic Engineering	Saturday 1-12-2018	From 10.30 AM To 1.30 PM
X	64160	Biomembrances & Cytoskeleton	Tuesday 4-12-2018	
XI	Paper No.XI- Choose Any One of the Following			
	64181-Biotechnology 64161-Biochemistry 64188-Environmental Biotechnology 63244-Microbiology	# Fermentation Technology – I	Thursday 6-12-2018	
	64649	Clinical Biochemistry – I		
	64650	Biochemical and Environmental Toxicology – I		
XII	Paper No. XII - Choose Any One of the Following			
	64162-Biochemistry 64654- Microbiology 64652 Biotechnology 64186-Environmental Biotechnology	\$ Immunochemistry	Saturday 8-12-2018	
	64651-Biochemistry 64180-Biotechnology 64653 Environmental Biotechnology 63246-Microbiology 69586-pharmaceuticalMicrobiology	** Immunology		
	64163	Laboratory Course V	Internal Exam	
	64164	Laboratory Course VI		

**Note :** \* Common paper with Biotechnology, Envi-Biotechnology & Microbiology, pharmaceutical Microbiology  
 \$ Common paper with Envi- Biotechnology  
 \*\* Common paper with Microbiology, Biotechnology, Envi-Biotech, Pharmaceutical Micro  
 # Common Paper with Biotechnology, Envi-Biotech & Microbiology.

## M.Sc. BIOTECHNOLOGY [ C.B.C.S]

Exam Center :- Kolhapur

		Branch Code - BIOTECHNOLOGY (C.B.C.S.) From Oct. 2014		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64179-Biotechnology 64159-Biochemistry 63243-Microbiology 64185-Environmental Biotechnology 69583-pharmaceutical Microbiology	* Genetic Engineering	Saturday 1-12-2018	From 10.30AM To 1 30PM
X	64182	Plant Biotechnology	Tuesday 4-12-2018	
XI	64181-Biotechnology 64188- EnvironmentalBiotechnology 64161- Biochemistry 63244- Microbiology	# Fermentation Technology – I	Thursday 6-12-2018	
XII	64180- Biotechnology 64651- Biochemistry 64653- EnvironmentalBiotechnology 63246- Microbiology 69586-Pharmaceutical Microbiology	**Immunology	Saturday 8-12-2018	
	64652 Biotechnology 64654 Microbiology 64162-Biochemistry 64186-Environmental Biotechnology	\$ Immunochemistry		
	64183	Laboratory Course V	Internal Exam	
	64184	Laboratory Course VI		

**Note :- \* Common Paper with Biochemistry, Envi-Biotechnology & Microbiology, Pharmaceutical Microbiology**

**\*\* Common Paper with Microbiology & Envi- Biotechnology, Pharmaceutical Microbiology**

**\$ Common paper with Envi- Biotechnology**

**# Common paper with Biotechnology, Envi-Biotechnology & Microbiology**

## M.Sc. ENV. BIOTECHNOLOGY [ C.B.C.S.]

Exam Center :- KOLHAPUR

		Branch Code - ENV. BIOTECHNOLOGY ( C.B.C.S. ) From Oct. 2014		
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	64185- EnvironmentalBiotechnology 64159-Biochemistry 64179-Biotechnology 63243-Microbiology 69583-pharmaceutical Microbiology	* Genetic Engineering	Saturday 1-12-2018	From 10.30 AM To 1.30 PM
X	64187	Basics of Ecology, Ecotoxicology and Ecochemistry	Tuesday 4-12-2018	
XI	64188- EnvironmentalBiotechnology 64161- Biochemistry 64181-Biotechnology 63244-Microbiology	# Fermentation Technology – I	Thursday 6-12-2018	
XII	Choose Any One of the Following			
	64186-EnvironmentalBiotechnology 64654-Microbiology 64162-Biochemistry 64652-Biotechnology	\$ Immunochemistry	Saturday 8-12-2018	
	64653-Environmental Biotechnology 64180-Biotechnology 63246-Microbiology 64651-Biochemistry 69586-Pharmaceutical Microbiology	** Immunology		
	64189	Laboratory Course V	Internal Exam	
	64190	Laboratory Course VI		

**Note :- \* Common Paper with Biochemistry, Microbiology & Biotechnology Pharmaceutical Microbiology**

**\$ Common Paper with Biochemistry, Biotechnology**

**\*\* Common Paper with Microbiology & Biotechnology Pharmaceutical Microbiology**

**# Common Paper with Biochemistry, Microbiology, & Biotechnology**

## M.Sc. MICROBIOLOGY (C.B.C.S. )

Center:- KOLHAPUR

		Branch Code - MICROBIOLOGY (C.B.C.S.)		From Oct. 2014
		Part II :- Sem.-III		
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME
IX	63243-Microbiology 64159-Biochemistry 64179-Biotechnology 64185-Environmental Biotechnology 69583-Pharmaceutical Microbiology	*Genetic Engineering	Saturday 1-12-2018	From 10.30 AM To 1.30 PM
X	63245-Microbiology 69585-Pharmaceutical Microbiology	# # Microbial Diversity & Extremophiles	Tuesday 4-12-2018	
XI	63244-Microbiology 64181-Biotechnology 64161-Biochemistry 64188- Environmental Biotechnology	# Fermentation Technology - I	Thursday 6-12-2018	
XII	Choose Any One of the Following			
	64654-Microbiology 64186- Environmental Biotechnology 64162-Biochemistry	\$ Immunochemistry	Saturday 8-12-2018	
	63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry 69586- Pharmaceutical Microbiology	** Immunology		
	63247	Laboratory Course - V	Internal Exam	
	63248	Laboratory Course - VI		

**Note :-** \* Common Paper with Biotechnology, Env-Biotechnology & Biochemistry, Pharmaceutical Microbiology  
 \$ Common Paper with Biochemistry & Env- Biotechnology  
 \*\* Common Paper with Biochemistry, Env- Biotechnology & Biotechnology Pharmaceutical Microbiology  
 # # common paper with Pharmaceutical Microbiology  
 # Common paper with Env-Biotech, Biochemistry, & Biotechnology

## M.Sc. PHARMACEUTICAL MICROBIOLOGY (C.B.C.S. )

Center :- KOLHAPUR

		Branch Code- PHARMACEUTICAL MICROBIOLOGY (C.B.C.S.)			From Oct. 2017
		Part II :- Sem.-III			
PAPER NO.	PAPER CODE	PAPER NAME	DAY & DATE	PAPER TIME	
IX	69583-Pharmaceutical Microbiology 63243-Microbiology 64159-Biochemistry 64179-Biotechnology 64185-Environmental Biotechnology	*Genetic Engineering	Saturday 1-12-2018	From 10.30AM To 1.30PM	
XI	69585-Pharmaceutical Microbiology 63245-Microbiology	# # Microbial Diversity and Extremophiles	Tuesday 4-12-2018		
X	69584	Pharmaceutical Microbiology	Thursday 6-12-2018		
XII	69586- Pharmaceutical Microbiology 63246-Microbiology 64180-Biotechnology 64653- Environmental Biotechnology 64651-Biochemistry	** Immunology	Saturday 8-12-2018		
	69587	Laboratory Course - V	Internal Exam		
	69588	Laboratory Course - VI			

**Note :-** \* Common Paper with Biotechnology, Env-Biotechnology, Biochemistry & Microbiology  
 \*\* Common Paper with Biochemistry, Env- Biotechnology, Biotechnology & Microbiology  
 ## common paper with Microbiology

- N. B.
1. Candidates are instructed to be present at their respective places of Examination 15 MINUTES before the time scheduled for the starting of the First Paper.
  2. The Practical examination will be held after written examination. The Information regarding place, date and time of the Practical examination will be notified in the practical programme of the subject. Those who fail to present themselves at the practical examination on the scheduled date and time will not be examined in practical. The practical programme will be displayed on the **Notice Board** of the Department/College.
  3. The Examination Programme is subject to change. The candidates are advised to check the Revised Final Examination programme. If there is any change in the examination programme the university is not responsible for the loss or inconvenience caused to the candidates.
  4. Cellular phone, Programmable Scientific Calculators, Digital Diary or any means which can be used for unfair practice are not allowed in the Exam.Hall.
  5. Examinee should confirm the customized time table printed on his/her hall ticket with the Revised Final Programme of examination sent to his/her Department/College.
  6. The Written Examination will be conducted in the above order.

**Vidyanagar,  
Kolhapur-416004  
Date :-12-11-2018**

**Shri.M.A.Kakade  
Director  
Board of Examination And Evaluation**