

ANNEXURE M. Sc. Environmental Science

Equivalence of Syllabus / papers between CBS & CBCS syllabus for desirous students (CBS Pattern students (introduced in the Year 2012-2013) in CBCS Pattern (introduced in the year 2015-16 at M.Sc Semester I and II and in the year 2016-17, at M.Sc. Semester –III and Semester IV

If the candidate has failed in any of the papers mentioned below (As described in Point no. 3 'b', 'c', 'd', and 'e')						Then, the candidate shall appear and clear the paper shown in the respective row as equivalent paper						
M.Sc. Subject Environmental Science CBS Pattern : Semester -I						M.Sc. Environmental Science Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper I	Environmental Chemistry	100	4		I	1T1	Paper I	Environmental Chemistry	80+ 20	4
02		Paper II	Atmospheric Science	100	4		I	1T2	Paper II	Atmospheric Science	80+20	4
03		Paper III	Environmental Biology	100	4		I	1T3	Paper III	Environmental Biology	80+20	4
04		Paper IV	Environmental Microbiology and Biotechnology	100	4		I	1T4	Paper IV	Environmental Microbiology and Biotechnology	80+20	4
05		Practical-I	Environmental Chemistry and Atmospheric Science	80+ 20	4		I	1P1	Practical-I	Environmental Chemistry and Atmospheric Science	100	4
06		Practical-II	Environmental Biology, Environmental Microbiology and Biotechnology	80+20	4		I	1P2	Practical-II	Environmental Biology, Environmental Microbiology and Biotechnology	100	4
07		Seminar-I		25	1			1S1		Seminar-I	25	1
M.Sc. Subject: Environmental Science CBS Pattern : Semester -II						M.Sc. Environmental Science Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper V	Environmental Ecosystem and Biodiversity	100	4		II	2T1	Paper V	Environmental Ecosystem and Biodiversity	80+20	4
02		Paper VI	Natural Resources Management	100	4		II	2T2	Paper VI	Natural Resources Management	80+20	4
03		Paper VII	Environmental Sampling and Research Methodology	100	4		II	2T3	Paper VII	Environmental Sampling and Research Methodology	80+20	4

04		Paper VIII	Analytical Techniques for Environmental Monitoring	100	4		II	2T4	Paper VIII	Analytical Techniques for Environmental Monitoring	80+20	4
05		Practical-III	Environmental Ecosystem and Management & Natural Resources management	80+20	4		II	2P1	Practical-III	Environmental Ecosystem and Management & Natural Resources management	100	4
06		Practical-IV	Industrial chemistry & Analytical techniques	80+20	4		II	2P2	Practical-IV	Industrial chemistry & Analytical techniques	100	4
07		Seminar-II		25	1		II	2S1		Seminar-II	25	1
M.Sc. Subject: Environmental Science CBS Pattern : Semester -III						M.Sc. Environmental Science Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper IX	Water Supply and Resources	100	4		III	3T3	Paper XII	(ELECTIVE-II) Water Supply and Resources	80+20	4
02		Paper X	Water and Water Treatment	100	4		III	3T3	Paper XI	(ELECTIVE-I) Water and Water Treatment	80+20	4
03		Paper XI	Physico- Chemical Treatment of Water & Waste Water	100	4		III	3T1	Paper IX	Physico- Chemical Treatment of Water & Waste Water	80+20	4
04		Paper XII	Biological process in waste water Treatment	100	4		III	3T2	Paper X	Biological process in waste water Treatment	80+20	4
06		Practical V	Water & Water Treatment Water Supply and Resources	80+20	4		III	3P2	Practical V	A) (ELECTIVE-I) Water & Water Treatment OR B) (ELECTIVE-II) Water Supply and Resources	100	4
07		Practical VI	Biological process in waste water Treatment	80+20	4		III	3P1	Practical VI	Physico-chemical treatment of water and waste water AND Biological process in waste water Treatment	100	4
08		Seminar-III		25	1		III	3S1		Seminar-III	25	1

M.Sc. Subject Environmental Science CBS Pattern : Semester -IV						M.Sc. Environmental Science Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper XIII	Air and Noise Pollution Control Technology	100	4		IV	4T1	Paper XV	Air and Noise Pollution Control Technology	80+20	4
02		Paper XIV	Solid and Hazardous Waste Management	100	4		IV	4T2	Paper XVI	Solid and Hazardous Waste Management	80+20	4
03		Paper XV	Environmental Impact Assessment and Legislation	100	4		IV	4T3	Paper XVII	(ELECTIVE-I) Environmental Impact Assessment and Legislation	80+20	4
04		Paper XVI	Environmental Management	100	4		IV	4T3	Paper XVIII	(ELECTIVE-II) Environmental Management	80+20	4
05		Practical VII	Air and Noise Pollution Control Technologies AND Solid and Hazardous Waste Management	80+20	4		IV	4P1	Practical VII	Air and Noise Pollution Control Technologies AND Solid and Hazardous Waste Management AND EIA & Legislation	100	4
05		Practical VIII	EIA & Legislation & Environmental Management	80+20	4		IV	4P1	Practical VII	Air and Noise Pollution Control Technologies AND Solid and Hazardous Waste Management AND EIA & Legislation	100	4
06		Project		80+20	4		IV	4PR OJ1		Project	100	4
07			Seminar IV	25	1		4S1		Seminar-IV	25	1	