

JIWAJI UNIVERSITY, GWALIOR
CBCS Course Structure and Scheme of Examination
M.Sc. (Geology) First Semester

Course code	Course Name	C/E	Total Marks	Credit C(i)	End Semester Examination Marks			Internal Assessment Marks			Total Obtained Marks	Grade Points G(i)	Letter grade	SGPA S(1)= $\frac{\sum C(i).G(i)}{\sum C(i)}$
					Max	Min	Obtained	Max	Min	Obtained				
GT-101	Geomorphology	(Core)	100	3	60	21		40	14					
GT-102	Structural Geology and Tectonics	(Core)	100	3	60	21		40	14					
GT-103	Mineralogy & Mineral Optics	(Core)	100	3	60	21		40	14					
GT-104	Crystallography, Crystal Chemistry and Geochemistry	(Core)	100	3	60	21		40	14					
GL-105	Practical -I: Geomorphology and Structural Geology	(Core)	100	3	60	21		40	14					
GL-106	Practical - II Mineralogy Crystallography and Surveying	(Core)	100	3	60	21		40	14					
GS-107	Seminar	(Core)	100	1	xx	xx	--	100	35					
GA-108	Assignment	(Core)	100	1	xx	xx	--	100	35					
Sub-total			800	20										
GV-109	Comprehensive viva-voce (Virtual Credit)		100	4	100	35		xx	xx	--				xx
Grand Total			900	24										

Sem. I		Sem. II		Sem. III		Sem. IV		CGPA= $\frac{\sum SC(i).S(i)}{\sum SC(i)}$	Result
SC(1)	S(1)	SC(2)	S(2)	SC(3)	S(3)	SC(4)	S(1)		
20		20		20		20			

GT= Geology Theory, GL=Geology Lab, GS=Geology Seminar, GA=Geology Assignment, GV=Geology Virtual, SC(j)= $\sum C(i)$, SGPA=S(j), j= jth Semester

SGPA = Semester Grade Point Average. CGPA = Cumulative Grade Point Average

CGPA Scale	1 st Division With Dist. CGPA	1 st Division CGPA	2 nd Division CGPA	Pass division CGPA	Grace	Minimum valid credits required for promotion	No. of subjects	No. of subjects to appear
10.0	7.5 or above	6.0 or above	5.0 or above	3.5 or above	As per ordinance	12	9	9

NB :

A student has to acquire minimum 35% marks i.e. in end semester examination 21 out of 60 and in internal assessment 14 out of 40.

Comprehensive viva-voce (Virtual Credit) will not be added into grade point average.

Grades will be decided by the marks obtained out of 100.

The student will be promoted to the next semester after passing courses equivalent to 12 valid credits.

SGPA = Semester Grade Point Average. CGPA = Cumulative Grade Point Average

Description of grade letter and grade points:

Letter Grade	Grade Points	Description	Range of Marks (%)
O	10	Outstanding	90-100
A+	9	Excellent	80-89
A	8	Very good	70-79
B+	7	Good	60-69
B	6	Above Average	50-59
C	5	Average	40-49
P	4	Pass	35-39
F	0	Fail	0-34
Ab	0	Absent	Absent

JIWAJI UNIVERSITY, GWALIOR
CBCS Course Structure and Scheme of Examination
M.Sc. (Geology) Second Semester

Course code	Course Name	C/E	Total Marks	Credit C(i)	End Semester Examination Marks			Internal Assessment Marks			Total Obtained Marks	Grade Points G(i)	Letter grade	SGPA S(2)= $\frac{\sum C(i).G(i)}{\sum C(i)}$
					Max	Min	Obtained	Max	Min	Obtained				
GT-201	Igneous Petrology	(Core)	100	3	60	21		40	14					
GT-202	Metamorphic and Sedimentary Petrology	(Core)	100	3	60	21		40	14					
GT-203	Indian Stratigraphy	(Core)	100	3	60	21		40	14					
GT-204	Palaeontology	(Core)	100	3	60	21		40	14					
GL-205	Practical- I Petrology	(Core)	100	3	60	21		40	14					
GL-206	Practical II Stratigraphy and Palaeontology,	(Core)	100	3	60	21		40	14					
GS-207	Seminar	(Core)	100	1	xx	xx	--	100	35					
GA-208	Assignment	(Core)	100	1	xx	xx	--	100	35					
	Sub-total		800	20										
GV-209	Comprehensive viva-voce (Virtual Credit)		100	4	100	35		xx	xx	--				xx
	Grand Total		900	24										

Sem. I		Sem. II		Sem. III		Sem. IV		CGPA= $\frac{\sum SC(i).S(i)}{\sum SC(i)}$	Result
SC(1)	S(1)	SC(2)	S(2)	SC(3)	S(3)	SC(4)	S(1)		
20		20		20		20			

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10.0	7.5 or above	6.0 or above	5.0 or above	3.5 or above	As per ordinance	12	9	9

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JIWAJI UNIVERSITY, GWALIOR
CBCS Course Structure and Scheme of Examination
M.Sc. (Geology) Third Semester

Course Code	Course Name	C/E	Total Marks	Credit C(i)	End Semester Examination Marks			Internal Assessment Marks			Total Obtained Marks	Grade Points G(i)	Letter grade	SGPA S(3)= $\frac{\sum C(i).G(i)}{\sum C(i)}$
					Max	Min	Obtained	Max	Min	Obtained				
GT-301	Ore Geology and Mining Geology	(Core)	100	3	60	21		40	14					
GT-302	Indian Mineral Deposits and Mineral Economics	(Core)	100	3	60	21		40	14					
GT-303	Mineral Exploration and Mineral Beneficiation	(Elective Centric)	100	3	60	21		40	14					
GT-304	Advanced Environmental Geoscience Part -I	(Elective Centric) Or (Elective Generic)	100	3	60	21		40	14					
GT-305	Remote Sensing in Geo-environmental Science													
GL-306	Practical- I Ore Microscopy and Mineral Deposits	(Core)	100	3	60	21		40	14					
GL-307	Practical- II Mineral Exploration Mining Geology and Corresponding elective paper (Environmental Geoscience or Remote Sensing)	(Core)	100	3	60	21		40	14					
GS-308	Seminar	(Core)	100	1	xx	xx	--	100	35					
GA-309	Assignment	(Core)	100	1	xx	xx	--	100	35					
	Sub-total		800	20										
GV-310	Comprehensive viva-voce (Virtual Credit)		100	4	100	35		xx	xx	--				xx
	Grand Total		900	24										

Sem. I		Sem. II		Sem. III		Sem. IV		CGPA= $\frac{\sum SC(i).S(i)}{\sum SC(i)}$	Result
SC(1)	S(1)	SC(2)	S(2)	SC(3)	S(3)	SC(4)	S(1)		
20		20		20		20			

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JIWAJI UNIVERSITY, GWALIOR
CBCS Course Structure and Scheme of Examination
M.Sc. (Geology) Fourth Semester

Course Code	Course Name	C/E	Total Marks	Credit C(i)	End Semester Examination Marks			Internal Assessment Marks			Total Obtained Marks	Grade Points G(i)	Letter grade	SGPA S(4)= $\frac{\sum C(i).G(i)}{\sum C(i)}$
					Max	Min	Obtain ed	Max	Min	Obtained				
GT-401	Hydrogeology	(Core)	100	3	60	21		40	14					
GT-402	Advanced Environmental Geoscience Part –II	(Elective centric)	100	3	60	21		40	14					
GT -403	or Engineering Geology and Environmental Geology (Elective Centric) or	(Elective centric)												
GT-404	Basics of Geology	(Elective Generic)												
GL-405	Practical I Hydrogeology and corresponding elective paper (Environmental Geoscience Engineering Geology, Basic Geology)	(Core)	100	2	60	21		40	14					
GF-406	Minor Project - Geological Field Work	(Core)	200	4	xx	xx	--	200	70					
GP-407	Major Project Work	(Core)	300	8	300	105		xx	xx	--				
	Sub-total		800	20										
GV-408	Comprehensive viva-voce (Virtual Credit)		100	4	100	35		xx	xx	--				
	Grand Total		900	24										

Sem. I		Sem. II		Sem. III		Sem. IV		CGPA= $\frac{\sum SC(i).S(i)}{\sum SC(i)}$	Result
SC(1)	S(1)	SC(2)	S(2)	SC(3)	S(3)	SC(4)	S(1)		
20		20		20		20			

GT= Geology Theory, GL=Geology Lab, GF=Geology Field Work, GP=Geology Project Work, GV=Geology Virtual, SC(j)= $\sum C(i)$, SGPA=S(j), j= jth Semester
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Note : One Elective Course has to be chosen *Department has to decide whether Electives are of Centric or generic nature. Students from other departments may choose generic electives. * However, the generic elective course will be offered to the students of other departments as per the availability of the faculty members in the Department.

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