



**Maharashtra State Board of Secondary and
Higher Secondary Education pune 411004**
Subject : Geology
Std. XII

Unit-wise distribution of marks.

Sr. No.	Units	Marks	Marks with option	Percentage of marks
1	The Dynamic Earth	5	7	7
2	Petrology	12	17	18
3	Palaentology and Stratigraphy	12	16	16
4	Structural Geology	11	16	16
5	Economic Minerals and Rocks	12	17	18
6	Hydrogeology	8	11	11
7	Geohazards	5	7	7
8	Remote Sensing and GIS	5	7	7
	Total	70	98	100

Weightage to Types of questions

Sr. No.	Type of question	Marks for each	No of questions	Total Marks
1	MCQ	01 mark each	Q No. 1(I to X)	10
2	VSA	01 mark each	Q No. 2(I to VIII)	08
3	SA I	02 marks each	Q No. 3 to Q No. 14	24
4	SA II	03 marks each	Q No. 15 to Q No. 26	36
5	LA	04 marks each	Q No. 27 to Q No. 31	20
	Total			98



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***Weightage to Learning Objectives**

Sr. No.	Objectives	Total Weightage (With Option)	Percentage
1.	Knowledge	29	30 %
2.	Understanding	41	42 %
3.	Applications and skill	28	28 %
	Total	98	100 %

***Difficulty level of Questions**

Objectives	Total Weightage (With Option)	Percentage
Easy	29	30 %
Average	49	50 %
Difficult	20	20 %
Total	98	100 %



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Practical Question Paper

Marks - 30

Time : 3.00 Hours

- Q 1. (A) Identify and describe Ore minerals from Table No. 1 to Table No. 3. 3 marks
- (B) Identify and describe Industrial minerals from Table No. 4 to Table No. 7. 4 marks
- Q 2. Identify Rock specimens from Table No. 8 to Table No. 11 and describe their colour, texture, structure and classification. 4 marks
- Q 3. Draw the Geological section of given maps and describe topography, history and order of superposition.
- (A) Inclined series. 7 marks
- (B) Horizontal series (only description). 2 marks
- Q 5. Mark the Seismic zone in given outline map of India. 1 mark
- Q 6. Calculate the following:-
- (A) Epicentre of the Earthquake. 1 mark
- (B) Groundwater available for recharge. 1 mark
- Q 7. Identify and name features from the given Satellite imagery. 1 mark
- Q 8. Field work/Project and Viva voce. 4 marks
- Q 9. Certified Journal. 2 marks