

B. Sc. First Year Science 2020-2021 GEOLOGY

The examination shall consist of three theory papers and one practical

		Hrs / week	Exam. Hrs.	M. Marks
A. Theory Papers				
Paper I:	Physical Geology	2	3	50
Paper II:	Paleontology	2	3	50
Paper III:	Crystallography and Mineralogy	2	3	50
B. Practical:		4	4	75
Total Marks				225

Note:

Time: 3 hrs

MM 50

Note: Each paper will be divided into THREE parts.

Part I – Ten questions (short type answer) two from each Unit will be asked. Each question will be of one mark and the candidates are required to attempt **ALL** questions. **Total - 10 marks**

Part II – Five questions (answer not exceeding 250 words) one from each Unit with internal choice will be asked and the candidates are required to attempt **ALL** questions. Each question will be of 05 marks. **Total 25 marks**

Part III – Four questions may be in parts covering all five Units (answer not exceeding 500 words) will be asked. The candidates are required to attempt any **TWO** questions. Each question will be of 10 marks. **Total 20 marks**

Checked and Approved
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(Dr. Maya Chaudhary)

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Dr. Harish Kapasya

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Mr. Subhash Janagal

B. Sc. First Year Science 2020-2021
PAPER-I: PHYSICAL GEOLOGY

Time: 3 hrs

MM 50

UNIT-1

Earth as a member of the Solar system. Origin and age of the Earth. Physical parameters of the Earth. Internal constitution of the Earth. Concept of lithosphere. Isostasy.

UNIT-II

Surface features of the Earth. Distribution of land and ocean and peculiarities. Coral reefs. Distribution and causes of earthquakes. Seismic waves as indicator of the Earth's interior. Volcanoes: causes, distribution and types.

UNIT-III

Weathering and erosion. Geological work of wind, groundwater, rivers, ocean, and glacier.

UNIT-IV

Major tectonic features of the Earth: Mountain belts, shields, island arcs, trenches, mid-oceanic ridges, and ocean basins.

UNIT-V

Concept of Plate Tectonics. Evolution of Himalayas and Indo-Gangetic Plain.

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