

Shri Shiavji Science College, Amravati

Department of Geology

**Report of Geological Field Excursion to Rock Quarry near Mahadev-Khori
on Akola Bypass Road and Khondeshwar**

Department of Geology had organized Geological Field Excursion to Rock Quarry near Mahadev-Khori on Akola Bypass Road and Khondeshwar for B.Sc. Geology I, II and III year students as a part of fulfilment of B.Sc. Geology syllabus. 65 students from B.Sc. Geology I, II and III attended the Field Excursion and they were guided by 1 staff member Shri. S.K. Paunikar along with 1 Non-teaching staff member Mr.S.A. Salbarde for assistance.

Self-vehicle Journey was done for above said field Excursion. All students were medically well in full journey.

Journey was Executed as follows

Date	Time	Schedule
29 April 2022	6.15 AM	Gather at College Premises
	7.30 AM	Start Journey by self-vehicles towards Rock Quarry near Mahadev-Khori on Akola Bypass Road
	8.00AM	Arrival at Rock Quarry near Mahadev-Khori
	8.10 AM – 9.00 AM	Field Work
	9.10 AM	Departure from Quarry near Mahadev-Khori to Khondeshwar
	10.00 PM	Arrival at Khondeshwar
	10.15 Am – 10.40 Am	Field Work
	11.30 AM	Arrival in College Campus
Journey End		



Group Photo of Field Excursion

Spot 1 Day 1 (29/4/2022): - Rock Quarry

After reaching at Rock Quarry near Mahadev-Khori on Akola Bypass Road, we immanently started field excursion with the backend support of Mr. S.A.Salbarde. We did all together 5 spots in the follows sequence

1. Massive and Compact Basalt,
2. Flow Structure in Basalt
3. Polygonal Joint and Columnar Basalt
4. Spheroidal Weathering
5. Vesicular Basalt

Mr. S. K. Paunikar gave all the explanation about the formation of basalt and above said spots with different features along with latitude, longitude and elevation of each spot. Students collected rock samples. How to handle Geological Hammer, GPS and Burton compass was explained along with how to take apparent dip was explained.



Massive and Compact basalt



Group Photo While Field Excursion



Columnar Basalt



Contact between Fresh weathered columnar basalt and weathered columnar basalt



Spheroidal Weathering



Geomorphological features Mesa and Bute



Polygonal Joint



Vesicular Basalt

Spot 2 Day 1 (29/4/2022): - Kondeshwar

After Reaching at Kondeshwar we had to walk for 5 minutes till the location and we started field work where a very ideal soil profile was observed with O,B,C and R layers at 1 section and A,B,C and R layers at adjoining section. After taking GPS reading Soil profile and its formation along with its significance was explained by Mr.S.k.Paunikar. After Completion of field work we immediately started our journey towards college.



Soil Profile



Glimpse Field Excursion



Glimpse Field Excursion

Date:

Place: Amravati

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