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Govt. Degree College, Bagaha-1 (W. Champaran)

Geogrophy (Hons.) B.A. Part - II

Paper - Practical

Topic - Identification of rocks and minerals

Date - 01/06/2021

Time 1:30 - 2:15

Dharmesh nanda
Assistant professor (Guest)
BRABU, Muzaffarpur (Bihar)

Identification of Rocks and Minerals

भूपटल का निर्माण चट्टानों से हुआ है। चट्टानें मुख्यतः खनिजों के संयोग से बनती हैं; अर्थात् चट्टानें खनिजों का समुच्चय हैं। पृथ्वी पर लगभग 200 प्रकार के खनिज पाये जाते हैं। इनमें 24 ऐसे हैं, जो मुख्यतः भूपटल की चट्टानों का निर्माण करते हैं। अतः इन्हें चट्टान निर्माणिक खनिज कहा जाता है।

ग्रेनाइट	— नाइस
बेसाल्ट	— हेम्फी बालाइट
ग्रेवा	— सर्पेण्डाइन
बालू-पत्थर	— क्वार्ट्जाइट
चूना-पत्थर	— संगमरमर
शैल	— स्लेट
कोपला	— ग्रेफाइट, धीरा
स्लेट	— शिल (Schist)
शिल	— फायलाइट (Phyllite)

टैलर	
जिलसम	खबी
कैल्साइट	पन्ना
प्लूओराइट	निलम
एपटाइट	
आर्थोक्लस	
क्वार्ट्ज	
टापाज	
कार्सम	

जैवा नमक (Rock salt)



मिलती-जुलती इमेज



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fine-grained rock, tends to break into parallel fragments (as slaty cleavage)	Shale	Slate
fine-grained rock, with the cleavage only visible as a satin sheen (similar to slate, but with a waxy lustre and may have a small-scale cleavage)	Shale	Phyllite
Contains shiny muscovite or biotite (dark) micas, and other minerals, such as quartz, calcite, garnet (note arrow), amphibole. Has schistose texture and foliation	Shale	Schist
Contains alternating bands of light and dark-coloured minerals (usually biotite or hornblende), called gneissic texture	Shale or Igneous Rock	Gneiss
Contains angular grains of quartz, with a hardness of 7	Sandstone or Siltstone	Quartzite
Contains angular grains of calcite, with a hardness of 4, and reacts readily with dilute HCl	Limestone	Marble

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