

Kadi Sarva Vishwavidyalaya

LDRP INSTITUTE OF TECHNOLOGY &amp; RESEARCH, GANDHINAGAR.

B.E. 3<sup>rd</sup> SemesterMID SEM EXAMINATION

Date/Day : 27/08/14 , Wednesday

Branch : Civil Engineering

Subject Name: (CV304) ENGINEERING GEOLOGY

Max. Marks : 30

Time : 12:00 to 1:30 pm

Instructions: 1) All questions are compulsory

2) Figures to the right indicate full marks.

3) Indicate clearly, the options you attempt along with its respective question number.

- Q.1 (a) What is meant by hydrological cycle? Discuss the various component of it? [5]  
(b) Explain the role of geology in civil engineering. [5]
- Q.2 (a) Enlist various branches of geology, and explain briefly about petrology, civil engineering geology. [5]  
(b) Define following: (a) River meandering (b) sand dunes (c) flood plain [5]  
(d) Escarpment (e) oxbow lake

OR

- Q.2 (a) Enlist types of weathering and explain in detail physical weathering [5]  
(b) Explain in detail erosion and denudation. [5]
- Q.3 (a) Explain terminology of fold with neat sketches. [5]  
(b) Explain meaning of aquifer, aquifuse, aquiclude, aquitard and porosity. [5]

OR

- Q.3 (a) Write short note on Artificial recharging of subsurface water. [5]  
(b) What are folds? Explain classification of fold with neat sketches. [5]

\*\*\*\*\*All THE BEST\*\*\*\*\*