M. A. COLLEGE OF ENGINEERING, KOTHAMANGALAM

SECOND SESSIONAL EXAMINATION, OCTOBER 2026

Fifth Semester (CE)

ENGINEERING GEOLOGY (B24CE3P15)

(Answer all questions)

Time: 1 hr 30 mins Max.Marks:40

Part A

1. Name the major tectonic plates of the Earth.
2. What is the elastic rebound theory?
3. Elucidate any one electrical resistivity method in groundwater exploration.
4. Discuss the ground water flow equation using Darcy's law.

(4x 3 = 12 marks)

Part B

5. Explain how the propagation of seismic waves has helped in understanding the internal structure of the Earth. (14 marks)
6. a) Discuss on any three methods to control problems created by groundwater. (7 marks)

   b) Give an account on the classification of rocks based on porosity and permeability. Explain the different types of aquifers (7 marks)

Scanned with OKEN Scanner