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Uva Wellassa University, Sri Lanka
End Semester Examination – March 2010

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MRT 131-1 Earth Processes and Plate Tectonics

Time: One (01) hour

Total six (06) questions
Answer **four (04)** questions only
Illustrate your answers with labeled sketch diagrams where necessary

(01) i. Write a brief account on the origin of the universe and the earth.
ii. Describe the evolution of the hydrosphere and the atmosphere of the earth.
(25 marks)

(02) Write short notes on the following.
i. Internal structure of the earth
ii. Evidence to support the hypothesis of continental drift
(25 marks)

(03) Explain the theory of plate tectonics emphasizing on different types of plate boundaries and associated processes.
(25 marks)

(04) i. Describe the mechanism of earthquakes
ii. Explain the nature of particle motion under P, S and Rayleigh waves.
(25 marks)

(05) i. Describe common igneous structures.
ii. Distinguish between textures of intrusive and extrusive igneous rocks.
(25 marks)

(06) Give brief accounts on the following.
i. Rock weathering
ii. Different types of mass wasting
(25 marks)