

BOWEN UNIVERSITY, IWO
DEPARTMENT OF BIOLOGICAL SCIENCES
2010/2011 FIRST SEMESTER EXAMINATION
PLB 410: PALAEOBOTANY AND PALYNOLOGY
THEORY

Answer any **three** questions.

Time: 2 hrs 15 mins.

1. (a) What are palynomorphs?
(b) List **eight** (8) applications of palynology.
(c) Write briefly on **three** (3) applications mentioned in (b)
(d) Explain the following terms used in the description of pollen:
(i) Colpate
(ii) Colporate
(iv) Eurypalynous
(v) Syncolpate
(vi) Baculate

(25 Marks)

2. (a) Write briefly on structure and stratification of wall in pollen grains.
(b) Describe the morphological characters of pollen with respect to polarity.

(25 Marks)

3. (a) What are the major factors involved in the formation of fossils.
(b) Discuss briefly on **three** (3) kinds of fossil plants.

(25 Marks)

4. Write an essay on fossil fuels.

(25 Marks)