BOWEN UNIVERSITY IWO COLLEGE OF AGRICULTURE, ENGINEERING AND SCIENCE PURE AND APPLIED BIOLOGY PROGRAMME 2022/2023 SECOND SEMESTER EXAMINATION

BLY 214: BIOLOGY OF SEED PLANTS

Instruction: Answer question one (compulsory) and any two others Time allowed	l: 2hrs 30mins
 (a) Give a concise description of the genus Pinus. State its morphology, and growth requirements. (b) With the aid of an illustrated diagram, describe a generalized complewer and state the function of five (5) labelled parts. (c) State the complete floral description of a flower with the following flow ⊕K₍₅₎C₍₅₎A_{5-∞}Ḡ₁ 	(15 marks) plete angiosperm (10 marks)
2. Describe fully the processes of pollination and fertilization in Pines.	(20 marks)
(a) Briefly describe the types of placentation found in angiosperm fruits.(b) Mention three (3) different types of simple fleshy fruit and any two (2) dry fruit with a named example for each.	
4. Provide a detailed analysis of the occurrence, botanical description, importance of the <i>Fabaceae</i> family.	and economic (20 marks)
 5. (a) Write short notes on the following group of Gymnosperms i. Ephedra ii. Gnetum iii. Welwitschia 	(5 marks) (5 marks) (5 marks)
(b) State five economic importance of Cycads	(5 marks)