

**BOWEN UNIVERSITY IWO**  
**COLLEGE OF HEALTH SCIENCES**  
**PHYSIOLOGY PROGRAMME**  
**200LEVEL B.Sc. EXAMINATION**  
**First Semester, 2021/2022 SESSION**  
**PHS 221 (BLOOD PHYSIOLOGY)**

**DATE:** March, 2022

**TIME:** 2 Hours.

**INSTRUCTIONS:** \*Answer all questions \*Write your matriculation number clearly on every page of the answer booklet \*Answer questions 1 & 2 in a booklet and questions 3 & 4 in another booklet

5. Discuss Erythropoiesis, requirements for red blood cell production, and functions of blood cells (20mks).
6. Write short note on the following:
  - c. Erythroblastosis fetalis (10mks)
  - d. Reticuloendothelial system (10mks)
7. Discuss the ABO system and its incompatibility reactions (20 mks)
8. Write briefly on the following:
  - c. Humoral/ B cell Immunity (10mks)
  - Haemoglobin and its variation (10mks)