UNIVERSITY OF RUHUNA BACHELOR OF SCIENCE (SPECIAL) DEGREE LEVEL I (SEMESTER I) EXAMINATION -OCTOBER 2021 SUBJECT: BOTANY November SUBJECT UNIT: BOT4242 (Seed Physiology and Technology)
Two hours Time: Two hours Answer all four (04) questions. a) What do you mean by abnormal seedlings? a) What three main types of abnormal seedlings. (10 marks) c) How do you manifest seed deterioration? (20 marks) (30 marks) c) How do Explain briefly how you could reduce seed deterioration of a given seed sample. e) What is imbibition injury? Describe the process you propose to avoid it. (20 marks) a) Define seed vigor and mention the importance of testing seed vigor. (24 marks) b) List four major types of seed vigor tests. (16 marks) c) Describe one of the seed vigor tests from the above briefly. (60 marks) 3. Discuss the factors affecting seed longevity during storage. (100 marks) a) What do you mean by seed processing? (10 marks) b) Explain briefly the different seed treatment steps applied in seed processing. (55 marks) c) What are the main factors to be considered in establishing a seed processing plant? (35 marks)