



**JARAMOGI OGINGA ODINGA UNIVERSITY
OF SCIENCE AND TECHNOLOGY
UNIVERSITY EXAMINATIONS**

FOURTH YEAR FIRST SEMESTER EXAMINATION FOR BACHELOR IN EDUCATION

SCIENCE AND ARTS WITH IT

SCS 409: INFORMATION TECHNOLOGY AND SOCIETY

TIME: 2 HOURS

Instructions:

- I. This paper contains Five questions**
- II. Question one is compulsory**
- III. Answer any other two questions**

QUESTION ONE 30 MARKS

- a) DotTy Enterprise would like to conduct a comprehensive information technology risk assessment and management. Highlight the steps they will follow to accomplish this. (10 Marks)
- b) State the **SIX** guidelines for effective IT policies (12 Marks)
- c) Discuss how IT has affected our everyday life (8 Marks)

QUESTION TWO 20MARKS

- a) Firms operations today are embracing information Technology platform for a competitive advantage, which in turn must be integrated carefully. Discuss why Information Technology risk assessment is so important for an organization? (12 Marks)
- b) Identify and explain each of the **FOUR** main response strategies for negative and positive risks (8 Marks)

QUESTION THREE 20MARKS

- a) With reference to the bull's eye model, discuss how IT security policies are integrated in an organization. (10 Marks)
- b) The integration of the use of IT in the business processes require an organization to be adaptive. Give **TEN** characteristics of an adaptive organization. (10 Marks)

QUESTION FOUR 20MARKS

- a) Discuss the factors contributing to the digital divide in our society. (10 Marks)
- b) The use of information Technology brings changes to the organization's setting. Discuss the effects these change. (10 Marks)

QUESTION FIVE 20MARKS

- a) Discuss the societal and economic implications with the use of Information Technology (10 Marks)
- b) State the various types of intellectual property rights and how to acquire this rights (10 Marks)