

COURSE CODE : C1SY 131/ B11 241

COURSE TITLE : COMPUTER NETWORKS / TELECOMMUNICATION NETWORKS

TIME : 1 HOURS

Questions

- a) What is the difference between a repeater and a bridge? (4 marks)
- b) Describe the functionality of the application layer in the ISO/OSI reference model. (4 marks)
- c) Discuss how routing is accomplished in a packet-switched network. (4 marks)
- d) Compare open and closed standards for computer network (6)
- e) Compare and contrast the ring and star topologies in Local Area Networks(6 marks)
- f) Write three advantages of the wireless media over the Guided media (6 marks)
- g) The OSI Reference Model defines seven protocol layers, each of which is responsible for a specific range of functions. By considering this model, explain the main functions performed by a protocol operating at:
 - i. The Physical layer
 - ii. The Network layer (4 marks)