



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, NnamdiAzikwe Express Way, Jabi – Abuja**  
**Faculty of Sciences**  
**October/November Examination 2016**

**Course Code: CIT 305 Course Title: Networking and Communication Technology**

**Credit Unit: 3**

**Time Allowed: 3 Hours**

**Instruction: Answer Any 4 Questions**

1. (a) Define a computer network **(3 marks)**  
(b) State and explain briefly the four (4) uses of computer networks **(12 marks)**  
(c) Write full meaning of the following acronyms  
(i) LMR(iv) GMRS  
(ii) ATM (v) MAN **(2 ½ marks)**  
(iii) WAN
2. (a) Briefly explain  
(i) GSM modem **(3 ½ marks)**  
(ii) Wi-Fi **(4 marks)**  
(iii) A protocol **(4 marks)**  
(b) Mention and explain 2 types of wireless technologies **(6 marks)**
3. (a) What is DSL **(8 ½ marks)**  
(b) List five benefits of DLS **(5 marks)**  
(c) Mention three features of DLS **(4 marks)**
4. (a) Define Enterprise Networks **(8 ½ marks)**  
(b) Differentiate between LAN and WAN **(9 marks)**
5. (a) Explain the following terms  
(i) SNETS **(5 ½ marks)**  
(ii) A modem **(5 marks)**  
(iii) Packet switching **(5 marks)**  
(b) List two methods of packet switching **(2 marks)**
6. (a) Define a video-conference **(4 ½ marks)**  
(b) State the six uses of video-conference **(5 marks)**  
(c) What are the differences between digital and analog signal **(8 marks)**