

HOLIDAY PACKAGE

SUB SECTOR: NETWORKING LEVEL 5 ICT



MODULE CODE & TITLE: NEWAV501, INSTALLATION, CONFIGURATION AND MAINTENANCE OF AUDIOVISUAL EQUIPMENT

INSTRUCTIONS:

- This paper consists of two sections
- Attempt all questions in Section A and six questions in section B.

SECTION A: ATTEMPT ALL THE EIGHT(8 QUESTIONS) /40 MARKS

1. What is AV system?
2. Mention the 5 criteria to consider while installing an audio-visual (AV) system basing on the purpose and size of the system.
3. What does XLR stand for and what are the types of XLR cable to be used when dealing with AV system.
4. In AV system installation process, we need different devices to make the process successful. List at least five (5) of them.
5. Suppose you are a Sound technician, and you want to deal with the microphone which is connected to the 4th channel of the mixer, instead you adjust the 2nd channel of the same mixer. What will be the output signal in the speaker? Explain
6. List 3 common types of equalizer
7. A sound technician has a task to install and manage AV system in a wedding ceremony. Provide the steps to pass through when installing those equipments.
8. Name the following AV system equipment and their roles

Name	Picture	Role
		
		



SECTION B: ATTEMPT ANY SIX QUESTIONS FROM EIGHT /60MARKS

9. a. What is cost estimation?
b. Highlight some importance of estimating cost, when dealing with an AV project.
c. What are points to consider when estimating the cost of a given project?
- 10.a. What is disk cleanup?
b. How does it differ from disk defragmentation?
c. Give the steps of performing disk cleanup
- 11.a. What is Fine-tuning? Differentiate it from testing
b. Explain why testing is necessary before using AV system
- 12.a. Differentiate between a speaker and a microphone
b. List 2 advantages of wired microphone over wireless microphone
- 13.What is a mixing console? What are the 4 main environments where a mixing console would be utilized?
14. Choose from these words to complete these sentences

XLR, RCA, timbre, Jack, CD player, intensity, frequency, faders, master control, fan,
--

- a) Ais a device that can be connected to a mixer as an input
- b) are sliders which control volume for each individual channel of the mixer
- c) The role of is to cool down a mixer
- d) is measured in hertz (Hz)
- e),and are the types of inputs on an audio mixer
- f) The elements of a sound are: ,and

15. Match the following elements of a mixer with their corresponding functions

Elements	Meaning	Answer
1. Gain	a. It is the input of each incoming signal	
2. Master control	b. controls the input level of each individual channel	
3. Equalizer(EQ)	c. This allows you to adjust and control both the high frequencies and low frequencies for each channel.	
4. Mute	d. These control the level of signal being sent to the main outputs.	
5. Channel	e. A button that allows you to silence a channel without moving the volume knob	

16. You are invited in a concert as a sound technician, and you have a laptop, speakers, microphone (wireless, wired and different cables). Then your laptop is running slowly and it is highly needed in that event. Outline any five methods you would use in order to improve the performance of your laptop