

### **UNIT 7. MULTIMEDIA (Th.3 Marks)**

#### **1. What is Multimedia? Define and write the requirements to be a multimedia computer.**

The integration of two or more than two media is called multimedia. It consists of text, symbols, graphics, images, video, audio, animation, etc. The requirements of a multimedia computer are:

- i. Advanced Graphics Card
- ii. High speed RAM
- iii. High speed CPU
- iv. High capacity hard disk
- v. High resolution monitor
- vi. Speaker
- vii. Multimedia capable keyboard
- viii. Sound card
- ix. Web camera
- x. CD/DVD/Blue-ray drive

#### **2. What are the application areas of Multimedia?**

There are various application areas of multimedia. Some of them are:

- i. Entertainment
- ii. Education
- iii. Business
- iv. Science & Technology
- v. Web page
- vi. Arts
- vii. Engineering
- viii. Industry
- ix. Medicine
- xi. Advertisement

### **UNIT 8. ARTIFICIAL INTELLIGENCE (Th. 2 Marks)**

#### **1. What is AI? Write the uses of it.**

AI stands for Artificial Intelligence. It is a concept of giving human-like intelligence to the machines. Though the computers do their work faster and better than the human beings, the intelligence of them is zero because they just follow the set of instructions given by the user. In case of wrong instruction, they do wrong processing. It is because they do not have intelligence of their own. So, the scientists are in research of giving them artificial intelligence, so that they can understand the natural languages of the human beings and interact. They can express their feelings and many more. These are some common uses of AI:

- i. Game Playing
- ii. Diseases Diagnosis & Operations
- iii. Robotics
- iv. Problem Solving
- v. Speech and pattern Recognition
- vi. Expert System
- vii. Theorem Proving
- viii. Machine Learning

#### **2. What is the ethical aspect of AI?**

In accordance of AI, the machines get the human-like intelligence. Till now, the difference between the human beings and the machines is that they do not have intelligence of their own. They depend upon the human instructions. But after they get their intelligence, they can interact with the human and the question has been raised, do they follow the human-instruction? If not, what to do? Do they work under human control? What happens, if they did not follow the human instructions? What, if they go out of control from the human race? What happens in the society? These are some ethical aspect of AI. Similarly, the machine replacement in place of the human can cause the frustration and moral down to the human race.