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End Semester Examination (ESE), 2020Semester: 6th

Subject: Consumer Electronics

Subject Code: Et-601

New Syllabus/Old Syllabus: New Syllabus

Total Marks: 56

Time: 2 Hrs 30 minutes

All questions are compulsory

PART A =10X1=10 Marks		
Q. No	Description	Mark
1	A carbon microphone is a simple device to turn sound waves into an a.) electronic signal b.) electrical signal c.) microwave signal d.) none	1
2	In carbon microphone when carbon granules are compressed their resistance a.) decreases b.) increases c.) both d.) none	1
3	In the condenser microphone, one of these plates is made of very light material and acts as the a.) diaphragm b.) granules c.) electrodes d.) none	1
4	A woofer or bass speaker is a technical term for loudspeaker driver designed to produce low frequency sounds, typically from a.) 40 Hz up to 500 Hz b.) 54 Hz up to 500 Hz c.) 60 Hz up to 100 KHz d.) none	1
5	A tweeter or treble speaker is a special type of loudspeaker that is designed to produce a.) high audio frequencies b.) low audio frequencies c.) medium audio frequencies d.) none	1
6	Magnetic recording, method of preserving sounds, pictures, and data in the form of a.) electrical signals b.) electronic signals c.) microwave signal d.) none	1
7	Stereophonic sound, commonly called stereo, is the reproduction of sound, using a.) two audio channels b.) one audio channel c.) two video channels d.) none	1
8	In Flat panel display, emissive display is the device that convert electrical energy into a.) sound energy b.) light energy c.) magnetic energy d.) none	1
9	Characteristics of plasma display is that it is having a.) low contrast b.) high contrast c.) medium contrast d.) none	1

10	Full form of CCTV is a.)closed circuit television b.) cross circuit television c.) close circuit transmitter d.)none	1
PART B= 5x3=15 Marks		
11	Explain the technical parameters required for operation of crystal microphone.	3
12	Explain the technical parameters required for operation of Condenser microphone.	3
13	Define stereo phonic recording system.	3
14	Define monophonic recording system.	3
15	Describe the block diagram of MP3 player in details.	3
PART C = 4X4=16 Marks		
16	Explain the working principle of Carbon microphone in details with diagram.	4
17	Explain the impedance matching of loudspeakers in series and parallel connections.	4
18	What do you mean by the multiway speaker system process. Explain.	4
19	Explain different types of Flat panel display. Also point out the advantages of Flat panel display.	4
PART D = 3X5=15 Marks		
20	Explain the working principle of Plasma Display. Also describe the characteristics of Plasma display.	5
21	Explain in details about the colour Television Receiver with proper block diagram.	5
22	Explain the working principle of DVD Player in details.	5