CBSE Class 12 Electronic Technology 2007 - Set 115

Question Paper

Conducted by the Central Board of Secondary Education (CBSE)

Time Allowed: 3 Hours **Maximum Marks: 40**

General Instructions

(i) Attempt all questions. Each question carries two marks.

Questions

1.

How is pulse modulation different from C.W. modulation ?

2.

Write equation for an A.M. wave and explain it.

3.

Explain the working of linear diode detector circuit.

4.

Compare F.M. with A.M.

5.

A V.H.F. antenna is shorter in dimensions in comparison to an H.F. antenna. Give reasons.

6.

Explain the term directivity of the antenna.

7.

Sketch a Yagi antenna and name its different members.

8.

Give frequency ranges for VLF, LF, HF, VHF, UHF and microwaves.

9.

Draw block diagram of an A.M. transmitter and label the different blocks.

10.

Explain the term superheterodyning and give its advantages.

11.

Explain the function of A.G.C. in radio receivers.

12.

Draw circuit diagram of the I.F. amplifier stage of radio receiver and explain it.

13.

Sound in a radio receiver is distorted. Which stages may be responsible ?

14.

Draw sketch of a moving coil microphone and name its different parts.

15.

Give applications of (a) direct radiating loudspeaker and (b) horn loaded loudspeaker.

16.

Give applications of ribbon microphone.

17.

How is sound reproduced from recorded magnetic tape ?

18.

How is sound recorded on discs ? Explain.

19.

Draw block diagram of hi-fi system.

20.

Draw block diagram of a P.A. System and explain it.

- End of Question Paper -