

This question paper contains 2 printed pages.

**43E**

**Radio, Transistor,  
T.V. Maintenance and Repairs**

*(English version)*

**Time : 2 hours]**

**[Maximum Marks : 40**

**PART - A**

**4×5=20**

- Note :**
1. Answer **ANY FOUR** of the following questions.
  2. Each question carries **FIVE** marks.

1. How do you test T.V. Receiver by using pattern generator ?
2. How do you test Diode by using multimeter and explain ?
3. Give the reason for not functioning the Radio receiver.
4. (a) Explain the working of PA amplifier system with neat sketch.  
(b) Explain R. F. Interference.
5. (a) What the reasons for appearing "GHOST" in T.V. Receiver and explain how to over come it ?  
(b) Appearance of "DOT" on T. V. screen, explain where the fault is existing ?
6. Write down the probable causes of defects in tap recorder :  
(a) Tape is not moving.  
(b) Improper output.  
(c) Loss of battery voltage.
7. (a) How many channels are there in Stereophonic amplifier ?  
(b) Explain Cross-over network.

**43E**

**B**

**PART - B****10×2=20**

**Note :** 1. Answer **ANY TEN** of the following questions.

2. Each question carries **TWO** marks.

8. What is the I.F. value in Radio receiver ?
  9. Write the common faults in Potentiometer.
  10. Define Rectifier.
  11. Write the measuring units of the following.  
(a) Capacitance      (b) Resistance
  12. Define EHT.
  13. "Horizontal line" appears on T.V. Receiver, detect the fault. Where it exists ?
  14. Draw the symbol of "Zener diode".
  15. What is meant by Erasing head ?
  16. What is meant by Fuse ?
  17. What is meant by Line voltage ?
  18. Name the wiring system using in our homes.
  19. Write the uses of Multimeter.
  20. Name the different parts of Fan.
  21. Where is IC 'CA 3065' used ?
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