

Total No. of Questions :4]

SEAT No. :

P701

[5315]-238

[Total No. of Pages :2

S.Y.B. Sc. (Vocational)

ELECTRONIC EQUIPMENT MAINTENANCE

**VOC- EEM - 221: Troubleshooting Electronic Equipment - B
(2013 Pattern) (Semester-II) (Paper - I)**

Time : 2 Hours]

[Max. Marks :40

Instructions to the candidates :

- 1) All questions are compulsory.***
- 2) Figures to the right indicate full marks.***

Q1) Answer the following.

- a) Give name of any two SMD packages. **[1]**
- b) State the three states of tri - state logic IC. **[1]**
- c) State the precaution for handling digital ICS. **[1]**
- d) State the advantage of SMD over through hole type device. **[1]**
- e) State the type of regulators. **[2]**
- f) State the procedure for testing counter ICS. **[2]**
- g) State the advantages of fixed three pin regulator. **[2]**
- h) State the features of surface mount technology. **[2]**

Q2) Answer any two of the following.

- a) Explain the procedure of troubleshooting high voltage power supply. **[4]**
- b) Discuss the steps in repairing SMPS. **[4]**
- c) Write a note on 'Fault Diagnosis chart' of oscilloscope. **[4]**

Q3) Answer any two of the following.

- a) Explain with block diagram the working of cordless telephone. **[4]**
- b) Discuss the troubleshooting procedure of cordless telephone. **[4]**
- c) Discuss the typical faults and their troubleshooting in Digital still camera. **[4]**

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Q4) Answer the following.

- a) Write a short note on 'Mobile phone'. [6]
- b) Explain the faults and their remedies in Mobile phone. [6]

OR

Q4) Answer the following.

- a) Discuss the procedure of testing decoder. [4]
- b) Explain with neat diagram the operation of logic probe and pulser. [4]
- c) Explain with neat diagram the working of logic comparator. [4]

