

Total No. of Questions : 5]

SEAT No. :

P382

[5215]-41

[Total No. of Pages : 2

F.Y. B.Sc. (Vocational)

ELECTRONIC EQUIPMENT AND MAINTENANCE

Electronic Components Circuit and Equipment Assembly

(2013 Pattern) (Paper-II) (New)

Time : 3 Hours]

[Max. Marks : 80

Instructions to the candidates:

- 1) All questions are compulsory.***
- 2) Figures to the right indicate full marks.***
- 3) Draw neat diagrams wherever necessary.***

Q1) Attempt the following

[16]

- a) Name common faults that occur in resistances.
- b) Name common faults that occur in capacitors.
- c) Explain the term NEMA.
- d) State different types of Resistors.
- e) Name different types of dielectric material used in capacitors.
- f) Explain importance of flux.
- g) Explain the use of sheilding cable.
- h) State the adavantages of surface mount technology.

Q2) Attempt any four:

[16]

- a) State the difference between good solder joint and bad solder joint.
- b) Enlist tools required for soldering.
- c) Write a note on applications of Resistors in Electronic circuits.
- d) Write a note on applications of capacitors in Electronic circuits.
- e) Inductor is a wattless component comment.

P.T.O.

Q3) Attempt any four:

[16]

- a) Draw different circuit symbols used in Electronics any Eight.
- b) With the help of a neat diagram write a note on soldering Iron.
- c) Name tools used for servicing any eight.
- d) State information do you get from circuit diagram.
- e) Name different types of transformers used in Electronic Industry.

Q4) Attempt any two:

[16]

- a) Explain the working of ELCB also state the importance of ELCB.
- b) With the help of a neat diagram explain the working of a tube light.
- c) Explain different types of PCB and state its advantages.

Q5) Attempt any two:

[16]

- a) With the help of a neat diagram write a note on ultrasonic soldering.
- b) Write a note on precautions to be taken during soldering and desoldering.
- c) Write a note on applications of inductors in Electronic industry.

