**SS2 BASIC ELECTRONICS HOME PRACTICE QUESTIONS**

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| WEEKS | TOPICS | CONTENTS | BEHAVIOURAL | PRACTICE QUESTION |
| 1 | HAND TOOLS | Explain the meaning of hand tools.  State types and uses of hand tools | By the ends of the lesson students should be able to  i) Explain the meaning of hand tools.  ii)State types and uses of hand tools | i) Define Hand tools  ii) State types and uses of hand tools  iii) Explain the meaning of hand tools. |
| 2 | MEASURING INSTRUMENT | i) Explain the meaning of measuring instrument.  ii) Differentiate between analogue and digital measuring instruments.  iii) State different types of measuring instrument and their respective uses. | By the ends of the lesson students should be able to  i) Explain the meaning of measuring instrument.  ii) Differentiate between analogue and digital measuring instruments.  iii) State different types of measuring instrument and their respective uses | i) Define measuring instrument.  ii) Differentiate between analogue and digital measuring instruments  iii) State different types of measuring instrument and their respective uses. |
| 3 | ELECTRON EMISSION | i) Distinguish among the four different types of electron emission.  ii) State the application of the four types of electron emission. | By the ends of the lesson students should be able to  i) Distinguish among the four different types of electron emission.  ii) State the application of the four types of electron emission. | i) Define Electron Emission  ii) ) Distinguish among the four different types of electron emission.  iii) State the application of the four types of electron emission. |
| 4 | POWER IN AC CIRCUITES | i) Explain power and power triangle.  ii) Explain power factor and power factor correction  iii) State advantages and disadvantages of power factor correction.  iv) Calculate power factor in a given AC circuit.  Explain Q-factor and bandwidth | By the ends of the lesson students should be able to  i) Explain power and power triangle.  ii) Explain power factor and power factor correction | i) Define power Triangle  ii) Explain power and power triangle.  iii) Explain power factor and power factor correction |