**(a) Explain the difference between a space diagram and a force diagram**

a: Space diagram: Line/force to correct angle ,but not to scale.

Force diagram: vectors at correct angle and drawn to scale.

**(b) Describe with the aid of diagrams 4 types of force systems**

**(c) State the polygon of forces theorem**

**(d) Define what is meant by the term “equilibrant”**

**(e) State the parallelogram of forces theorem**

**(f) Define what is meant by the term “resultant”**

**(g) Describe with the aid of a diagram what is meant by the term “rectangular**

**components”**

**(h) Explain the difference between a “tie” and a “strut”**

**(i) There are 3 equations of equilibrium. State 2 of them.**

**(j) Explain with the aid of a diagram the use of Bow’s Notation.**