

## 8. Homework 32 Point Groups

1. Draw the symmetry diagrams for the trigonal crystal system

- Point Group  $32$
- Point Group  $3m$

2. Draw the symmetry diagrams for the tetragonal crystal system

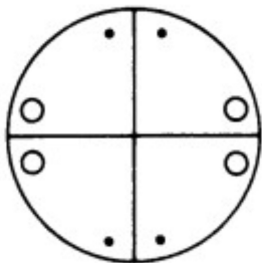
- Point Group  $422$
- Point Group  $4/m$

3. Draw the symmetry diagrams for the hexagonal crystal system

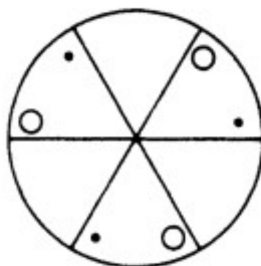
- Point Group  $6mm$
- Point Group  $6/m$
- Point Group  $622$

4. Define corresponding point groups for the depicted below symmetry diagrams:

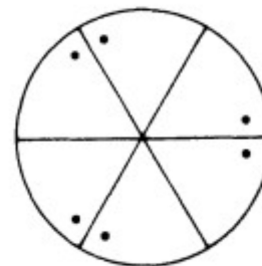
a.



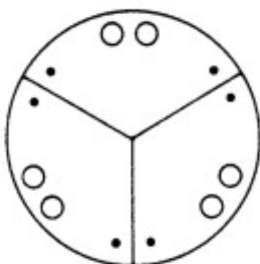
b.



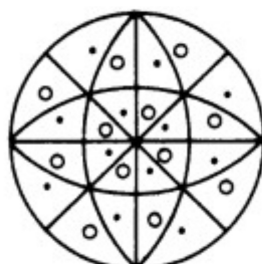
c.



d.



e.



f.

