What is POD?

1. A POD is a group of one or more [containers](https://kubernetes.io/docs/concepts/containers/), with shared storage and network resources, and a specification for how to run the containers.
2. Containers in a pod share an IP Address, hostname and other resources.
3. Containers within the same pod have access to shared volumes

What is ReplicationController and RepliaSet?

1. A ReplicationController is responsible for managing the pod lifecycle and ensuring that the specified number of pods required are running at any given time.
2. Actual and Desired state validation.
3. Replica Set ensures how many replicas of the pod should be running same as replication controller. It can be considered as a replacement of replication controller.
4. The replica set and the replication controller's key difference is that the replication controller only supports equality-based selectors whereas the replica set supports set-based selectors.

