

**Azad Jammu and Kashmir Public Service
Commission**

Date - 03-03-2015

Examination for the post of Assistant Professor (BPS 18) Biology

Max Marks: 100

Time allowed: 3 hrs.

Note: Attempt any five questions. All questions carry equal marks

Q.1

- a) What is meant by Dormancy?. What are various causes of seed dormancy?
- b) Describe in detail methods to break seed dormancy?.

Q.2 What are corals? What are coral reefs? What are the types of coral reefs?

Q.3 Describe in detail three basic parts of the cell?

Q.4

- a) What is an enzyme? How do enzymes function?
- b) How do temperature and pH effect enzyme function?

Q.5 Describe Nitrogen Cycle in detail?

Q.6 Define Meiosis? Explain different stages of meiosis?.

Q.7 What are multiple alleles? Describe with examples?

Q.8 Describe in detail Watson and Crick Model of DNA?

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