



Quaid-i-Azam University

BA/B.Sc Annual Examination 2014
Paper- Botany C (Cell biology and Genetics)
(Objective Model Paper)

Max. Marks: 08

Time: 25 Min.

SECTION-A

Note: Question No. 1 is compulsory. Cutting/overwriting is not allowed.

Q.1 a) Encircle the correct option.

- i) Number of peptide bonds present in a tripeptide are;
a) Two b) Three c) Four d) None
- ii) Cellulose is found in;
a) Primary cell wall b) Secondary cell wall c) Middle lamella d) Both 'a' and 'b'
- iii) Colour blindness is an example of ----- trait.
a) X-linked recessive b) X-linked dominant c) Y-linked d) autosomal
- iv) When a single gene has a multiple phenotypic effects, the phenomenon is known as;
a) Epistasis b) Pleiotropy c) polygene d) linkage

Q.1 b) Answer the following questions briefly, each carrying one mark.

- i) Write the chemical composition of primary and secondary cell wall in plants.

- ii) Differentiate between normal and cancerous cell?

- iii) Define transduction and transformation.

- iv) Differentiate between Darwinism and Neo-Darwinism.

