# **Basic Education College** (2023-2024)Second Semester

Genetics **Second Stage** Time: 75 Minutes

### **Q1/(3)** marks

Define the following

1. Chromatin

2. Allele

3. Homologous Chromosome

**4.** Recessive

**5.** Karyotyping. **6.** Gene.

#### **Q2/(4) marks**

How to detect Genetic disorders? Explain one of them by an example.

### **Q3/(4)** marks

What do mean by Mutation? Compare between Color Blindness & Hemophilia.

## **Q4/(4) marks**

Explain briefly the process of Transcription.

#### **GOOD LUCK**

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