



# Quaid-i-Azam University

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

Max. Marks: 32

Time: 2 Hours 35 Minutes

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Note :- Attempt FOUR questions in all by selecting at least two questions from each section.

## SECTION-B (8 X 2 = 16)

2. What are proteins? Discuss their chemical nature & levels of structural organization?
  3. Discuss the Physic-chemical nature of plasma membrane?
  4. Write note on following
    - (i) Plastids
    - (ii) Meiosis
  5. What is meiosis? Describe various events of meiosis and also explain its significance
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## SECTION-C (8 X 2 = 16)

6. What is sex-linked inheritance? Discuss various human sex linked diseases?
  7. Write notes on following
    - (i) Test cross ( with examples)
    - (ii) Incomplete Dominance (with examples)
  8. Discuss in detail the process of transcription and translation?
  9. What is recombinant DNA technology? Discuss various tools of this technology?
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