

Biyangirls colleges

M.Sc. previous chemistry

General biology (2015-2016)

Time:3hrMax marks: 25

Question one is compulsory. Attempt any five question.

1. Write answer in one or two lines
 - a) Which organelle present in plant?
 - b) Write two reducing sugar name.
 - c) Write two differences between prokaryotic and eukaryotic cell.
 - d) What is gluconeogenesis?
 - e) What is transcription? (1/2x5)
2. Fill in the blank
 - a) Ribosome present in eukaryotes
 - b) Main replicating enzyme in prokaryotic DNA replication
 - c) Two acidic amino acid name
 - d) Two D structure of t RNA look like
 - e) Electron transport chain occur at (1/2x5)
3. Write short notes on any two
 - a) Mitochondria b) sphingolipids c) Protein structures (2.5x2)
4. Write translation initiation difference between prokaryotes and eukaryotes. (5)
5. Explain transcription in prokaryotes. (5)
6. Explain following
 - a) collagen b) Krebs cycle (2.5x2)