



ANANDALAYA
Weekly Test 2
Class XI

Subject: BIOLOGY
Date : 20/10/2015

M.M: 25
Time: 1 Hour

General Instructions:

All questions are compulsory. Wherever necessary, draw neat and properly labeled diagrams.

1. What is the role of centrioles other than spindle fibres formation? 1
2. Write the significance of G_0 of the cell cycle. 1
3. Name the components of chromatin. 2
4. Identify the following cellular structures: 2
 - a) Non membrane bound organelle found in all cells.
 - b) The small circular DNA outside the genomic DNA in bacteria.
 - c) The secondary constriction on chromosomes.
 - d) Microbodies present in plant and animal cells.
5. List the significance of meiosis in an animal cell. 2
6. Explain briefly the events of zygotene stage of Meiosis 3
7. Mitotic telophase stage is the reverse of its interphase stage. Justify the given statement. 3
8. Draw the cell cycle showing various phases of a cell. 3
9. Differentiate between passive and active transport in living cells 3
10. Which organelles form an endomembrane system of a cell? Describe how their functions are co-ordinated. 5