ST.JOSEPH'S COLLEGE (AUTONOMOUS) BANGALORE-27
MID-SEMESTER TEST: AUGUST 2016
M.Sc. BOTANY – III SEMESTER
BO: 9115: CYTOLOGY, GENETICS AND MOLECULAR BIOLOGY

Time: 1 ½ hrs. **Max. Marks: 35**

A. Explain or define any FIVE of the following **5 x 2= 10**

1) Mieschef's nuclein
2) Okazaki fragments
3) Neoplasia
4) Apoptosis
5) Histone proteins
6) Lethal genes
7) Incomplete and co-dominance

B. Write critical notes on any THREE of the following **3 x 5=15**

8) Telomere
9) Pathways of two tumor suppressor genes
10) Forms of DNA
11) Complementary gene interaction
12) Activation factors of oncogenesis

C. Give a comprehensive account of any ONE of the following **1x 10=10**

13) Centromere kinetochore complex
14) Mechanism of replication of DNA