

V P and R P T P Science College
First internal test ,2016
Subject: Botany



Course: US05CBOT05
Marks: 25

Day: Wednesday
Date: 5.10.2016
Time: 11 – 12.30 pm

- Q.1. Answer all questions. (03)
- (i) Which stain will you prefer to study chromosomes?
(a) Carmine (b) Azure B (c) Iodine (d) Potassium per- magnate
 - (ii) What can be the most appropriate function of Ribosome?
(a) ATP synthesis (b) Protein synthesis (c) Both (d) Secretion
 - (iii) Which Indian scientist worked on sex determination in plants?
(a) Maheshwari ,P.(b) Sahni,B. (c) Roy,R.P. (d) Kashyap,S.R.
- Q.2. Short answer questions. Attempt any two: (04)
- (i) State the functions of Chromosomes.
 - (ii) Explain “gene balance theory”.
 - (iii) State the importance of endoplasmic reticulum.
- Q. 3. Give an illustrated account of the structure of a typical plant cell (06)
ORS
- Q.3. Describe any one special type of chromosome studied by you. (06)
- Q.4. Write short notes on: (a) Golgi body (b) Mitochondria (06)
OR
- Q.4. Describe the structure of chloroplast. (06)
- Q.5. Describe the inheritance experiment carried on *Mirabilis*. (06)
OR
- Q.5. Write short notes on : (a) Kappa particles and their inheritance (06)
(b) Environment and sex

XX

Q.1