Third Year B. Sc. (Sem. VI) Examination
March/April – 2015
Botany : Paper - 603
(Cell Biology & Genetics)

Time : 2 Hours] [Total Marks : 50

(1) Fill up strictly the details of signs on your answer book.
Name of the Examination:
THIRD YEAR B. SC. (SEM. VI)
Name of the Subject:
BOTANY : PAPER - 603

Subject Code No.: 3 2 6 8 Section No. (1, 2,......) Nil

Student’s Signature

(2) Jadhur Jadhur Jadhur and swastik name-vidhiyedh kachhia karo.
(3) Jadhur Jadhur Jadhur and swastik name-vidhiyedh kachhia karo.

1. Nireena prashnono jukhambu untar apno:
(1) Jibojomboy akutunj kary jahatyo.
(2) Vidvala aachhno bante kahi ni vikriti javabhaktar chhe?
(3) Anntakshar sangana kary jahatyo.
(4) Krushakerni vyasna apno.
(5) Varsak RNA antekho yu?
(6) Ripiditiv DNA.
(7) DNA nav swarnjnan bante javabhaktar utsewado jahatyo.
(8) Mestaseprak dikomjokarni vyasna apno.

2. Varnavo: (khojipuda be)
(1) Vairajvijayomni ranona ane kary jahatyo.
(2) Gobhilekarni ranona ane kary jahatyo.
(3) Krush vijnan.

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[ Contd......
ENGLISH VERSION

Instructions: (1) Draw neat and labelled diagrams wherever necessary.
(2) Figures to the right indicate marks of the question.

1 Answer in short:
(1) Give the important functions of Ribosome.
(2) Who's mutation is responsible for sickle cell anemia?
(3) Give the function of endoplasmic reticulum.
(4) Define cell cycle.
(5) What is t-RNA?
(6) Repetitive DNA
(7) Name the enzymes responsible for self reproduction of DNA.
(8) Define metacentric chromosomes.

2 Describe: (any two)
(1) Explain the structure and function of Lysosomes.
(2) Explain the structure and function of Golgi complex.
(3) Cell division
3 Describe: (any two)

(1) Explain the structure and size of nitrogen base.
(2) DNA replication
(3) Explain in detail different types of chromosomes.

4 Describe: (any two)

(1) Lac Operon
(2) Translation
(3) What is mutation? Explain spontaneous and induced mutation.