

SUMMER VACATION HOME ASSIGNMENTS-BIOLOGY XII CLASS (2018-2019)

(MODELS)

- 1.RISHIKA : MODEL OF SPERM
- 2.KHUSHI: MODEL OF DNA RECOMBINANT TECHNOLOGY
- 3.SHIKHA: MODEL OF OVARY
- 4.TANVI: MODEL OF DNA
- 5.ANJALI: MODEL OF MILLER'S EXPERIMENT
- 6.MEENAKSHI: MODEL OF NUCLEOSOME
- 7.ANNANYA: MODEL OF FEMALE REPRODUCTIVE SYSTEM
- 8.SHIVANI: MODEL OF HUMAN FOETUS WITHIN THE UTERUS
- 9.SAUMYA: MODEL OF ANATROPOUS OVULE
- 10.AYUSH: MODEL OF TRANSCRIPTION OF EUKARYOTES
- 11.SANJEEV: MODEL OF MALE REPRODUCTIVE SYSTEM
- 12.NIDHI: MODEL OF SPERMATOGENESIS
- 13.NIKHIL: MODEL OF CENTRAL DOGMA
- 14.ANUPAM: MODEL OF HARSHY AND CHASE EXPERIMENT
- 15.SHAZIA: MODEL OF OOGENESIS

(PROJECT)

- 1.RISHIKA : MALARIA
- 2.KHUSHI: HIV
- 3.SHIKHA: AIR POLLUTION
- 4.TANVI: TYPHOID
- 5.ANJALI: PHOSPHOROUS CYCLE
- 6.MEENAKSHI: CANCER
- 7.ANNANYA: ECOSYSTEM
- 8.SHIVANI: AIDS
- 9.SAUMYA: DRUGS AND ALCOHOL
- 10.AYUSH: ELECTROSTATIC PRECIPITATOR
- 11.SANJEEV: BIOMAGNIFICATION
- 12.NIDHI: BIOFERTILIZERS
- 13.NIKHIL: HOUSEHOLD PRODUCT
- 14.ANUPAM: EVOLUTION
- 15.SHAZIA: SECONDARY TREATMENT OF SEWAGE

PHYSICS

1. Electric field and potential at a point due to (a) point charge (b) an electric pole (all cases)
2. Properties of electric lines of force equipotential surfaces.
3. Relation between electric field and potential.
4. Gauss law and its application (all).
5. Capacity of a parallel plate capacitor (a) with dielectrics (b) without dielectric
6. Energy of capacitor
7. Numericals on gauss law, grouping of capacitor and charging and discharging and discharging of capacitor.
8. Expression for loss of energy due to sharing of charges.
9. Factors affecting (a) resistance (b) resistivity of a conductor (in detail)
10. Numericals on (a) combination of resistors (b) carbon resistors (c) krichhoff's law
11. Principle, construction and working of (a) meter bridge (b) potentiometer
12. Numericals and conceptual questions on meter bridge and potentiometer.
13. Biot sawart law and its application.

Chemistry

1. Solid state, solution, haloalkanes and haloarenes

Exercise- questions answer.