

Biyanigirls colleges
B.Sc.I Biotech.
Plant and animal physiology (2015-2016)

Time:3 hr

Max marks: 50

Question no one is compulsory. Attempt any five question one from each section.

1. Write answer in one or two lines

- a) What is photoperiodism?
- b) Write C4 plants name.
- c) Which enzyme causes food digestion?
- d) Which hormone is called life saving hormone?
- e) Which is blood clotting factor?
- f) Where electron transport chain occur?
- g) Which is used to measure blood pressure?
- h) Write two disorders caused by thyroid gland abnormalities.
- i) Which plant hormone present in gaseous form?
- j) Write long day plant names.

(1x10)

Section A

- 1. What is respiration? Explain respiratory process in different species.
- 2. Write short notes on
 - a) Blood volume and its regulation
 - b) Electron transport chain

(10)

(5+5)

Section B

- 3. Describe physiological effect of plant growth hormones.(10)
- 4. What is the principle of ECG? Explain cardiac cycle.

(3+7)

Section C

- 5. Explain anatomy of brain and spinal cord.
- 6. Write notes on
 - a) Haemopoiesis b) CAM pathway

(10)

(5+5)

Section D

- 7. Explain biotic and abiotic stress of plants.
- 8. Describe chemical mechanism of food digestion.

(10)

(10)