

Biyani girls colleges
B.Sc.Part III Biotech.
Medical biotech. (2015-2016)

Time:3hr
50

Max marks:

Question one is compulsory. Attempt any five question from the following, each from every section.

1. Answer in one or two lines
 - a) Who discovered ECG?
 - b) Write the functional unit of kidney?
 - c) Define innate immunity.
 - d) Give the example of type I HSR.
 - e) What is the function of invariant chain?
 - f) Write the causing agent name of chickenpox?
 - g) Define implantable sensor.
 - h) Write two symptom of whooping cough.
 - i) Who discovered X ray?
 - j) Write two electrical problem of muscle.
- (1x10)

Section A

2. Write short notes on

- a) Neuron
 - b) ECG
- (5+5)

3. Give a brief detail about heart structure.
(10)

Section B

4. What is monoclonal antibody? Explain its application.
(10)

5. Write short notes on any two

- a) Diphtheria
 - b) MRI
 - c) Tetanus
- (5+5)

Section C

6. Describe detail about antibody structure and its function.
(10)

7. Explain electrical properties of nerve and its problem.
(10)

Section D

8. Write short notes on

a) X Ray

b) AIDS
(5+5)

9. Give detail about cardiac cycle and electrical problem of heart.
(7+3)

Biyanigirls colleges

B.Sc.Part III Biotech.

Medical biotech. (2015-2016)

Time:3hr

Max marks: 50

1. Answer in one or two lines

a) Write two symptoms of anthrax.

b) What is herd immunity?

c) What is adjuvant?

d) Who discovered X rays?

e) Which is the main blood clotting factor?

f) Define pacemaker.

g) Write causing agent name of AIDS.

h) Write two symptoms of malaria.

e) Write two sexually transmitted disease.

f) Which hormone is responsible for water reabsorption from kidney? (1x10)

Section A

2. Write short notes on

- a) Implantable sensor
- b) NMR (5+5)
- 3. Give a brief detail about B cell maturation and activation. (10)

Section B

- 4. Write short notes on
 - a) Chickenpox
 - b) Sexually transmitted disease (5+5)
- 5. What is the principle of radioimmunoassay? Explain the procedure of enzyme linked immunosorbent assay. (3+7)

Section C

- 6. What are synapses? Give a brief detail about electrical properties of muscle. (10)
- 7. What is haptens? Explain classical pathway of complement system. (2+8)

Section D

- 8. Write short notes on
 - a) Anthrax
 - b) Disease cycle (5+5)
- 9. Give a general introduction of biomedical engineering and its application. (10)