

em-II - CBQs - B-pharmacy

Anatomy, Physiology & Pathophysiology-II

QP Code : 525302

(3 Hours)

[Total Marks : 70

- B. : (1) All questions are compulsory.
(2) Figures to the right indicate full marks
(3) Draw neat, labelled diagrams wherever necessary

1. (a) Answer the following :

- (i) Name the secretions of Adrenal glands.
(ii) Define - (1) Vital capacity
(2) Inspiratory reserve volume
(iii) What is pituitary dwarfism?
(iv) Write a note on blood brain barrier.
(v) Give the functions of lacrimal fluid.
(vi) What are the signs and symptoms of Schizophrenia.

12

1. (b) Answer the following :

- (i) _____ deficiency causes diabetes insipidus.
(ii) True or False :-
Pupil controls the amount of light entering the eye.
(iii) Give the functions of ependymal cells in the brain.

3

2. (a) Answer any two of the following :

- (i) Discuss the causes of cell injury.
(ii) Explain the mechanism of genesis of cancer.
(iii) Write a note on Apoptosis.

8

(b) Answer any one of the following :

- (i) Explain harmful effects of UV radiation
(ii) Describe the biological effects of Nuclear radiation.

3

3. (a) Attempt any two of the following :

- (i) With the help of neat labelled diagram explain the structure of neuron.
(ii) Give the functions of Hypothalamus.
(iii) Explain different phases of action potential.

8

(b) Write a short note on (any one)

- (i) Epilepsy
(ii) Parkinsonism

3

4. (a) Answer any two of the following :

- (i) Explain control and regulation of respiration.
(ii) Write a note on Larynx.
(iii) Give a detailed account on Asthma.

8

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(b) Answer **any one** of the following :

- (i) Draw a neat labelled diagram of respiratory system.
- (ii) Write a note on pneumonia.

3

5. (a) Answer **any two** of the following :

- (i) Explain the synthesis, storage and release of thyroid hormones.
- (ii) Describe the role of thyroid and parathyroid gland in calcium homeostasis.
- (iii) What are the different hormones of pancreatic islets. Give their physiological role.

8

(b) Write short note on **any one** of the following

- (i) Hypothyroidism
- (ii) Cushing's syndrome.

3

6. (a) Attempt **any one** of the following :

- (i) Explain the role of skin in maintenance of body temperature.
- (ii) Discuss the physiology of equilibrium.

4

(b) Answer **any one** of the following :

- (i) Describe the neurotransmitters and receptors involved in autonomic responses.
- (ii) Describe the preganglionic and post ganglionic neurones of ANS.

4

6. (c) Answer **any one** of the following :-

- (i) Write a note on Rods and cones.
- (ii) Draw a neat labeled diagram of tongue and taste bud.

3
