



001/18

The West Bengal University of Health Sciences
MBBS 1st Professional (Supplementary) Examination, 2018

Subject : Physiology
Paper : II

Attempt all questions. The figures in the margin indicate full marks

Full Marks : 50
Time : 2 1/4 hours

Group-A

- a) Describe the nuclei, connections and functions of Basal Ganglia. What are the features of Parkinsonism? 7+5
- or
- b) Discuss the functions of calcium in our body. How the homeostasis is maintained by involving different hormones. Name the features of Ricket and osteomalasia. 4+4+4

Group-B

2. Answer any two of the following :
- a) What is the role of kidney in maintenance of acid base balance in the body.. 2 x 7
- b) With a suitable diagram, explain the effects of lesion in the visual path way at various levels. What is Argyll-robertson pupil ? 7
- c) What is fetoplacental unit ? 5+2
- 7

Group-C

3. Write short notes on any four of the following : 4 x 3
- a) Intention Tremor.
- b) Oral contraceptive pills.
- c) Spermatogenesis.
- d) Progesterone.
- e) Surfactant.

Group-D

4. Give the Physiological explanation of the following : 4 x 3
- a) Patients on ototoxic drug advised not to swim under water.
- b) Removal of ovaries before six weeks of pregnancy causes abortion.
- c) Persistent hypokalaemia may lead to hyperglycaemia.
- d) REM sleep may be called as paradoxical sleep.