

# DIPLOMA IN X-RAY TECHNICIAN [First Year]

## ANATOMY AND PHYSIOLOGY

**Time:- 3 Hours**

**Marks:- 100**

- |   |    |
|---|----|
| Q.1 Explain the anatomy of brain with neat labelled diagram and write the functions of cerebrum and cerebellum. | 10 |
| Q.2 Explain the structure and functions of adrenal gland.   | 10 |
| Q.3 Name the various organs of respiratory system and write the mechanism of respiration.                       | 10 |
| Q.4 Explain the structure and functions of meninges.  | 10 |
| Q.5 Explain various lung volume and lung capacities.  | 10 |
| Q.6 Write the physiology of urine formation.  | 10 |
| Q.7 Explain spermatogenesis.  | 10 |
| Q.8 Explain the mechanism of hormone action.  | 10 |
| Q.9 Add a note on ABO system of blood group.  | 10 |
| Q.10 Explain menstrual cycle.   | 10 |