

# Inter (Part-II) 2017

Biology	Group-I	PAPER: II
Time: 20 Minutes	(OBJECTIVE TYPE)	Marks: 17

**Note:** Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

- 1-1- Which one of the following structures of kidney is involved in the production of concentrated urine?**
- (a) Glomerulus
  - (b) Juxtamedullary nephron ✓
  - (c) Cortical nephron
  - (d) Vasa recta
- 2- The body temperature regulation in human is based on complex homeostatic thermostat present in the:**
- (a) Cerebrum
  - (b) Medulla oblongata
  - (c) Hypothalamus ✓
  - (d) Thalamus
- 3- Collagen fibers of bone are hardened by the deposit of:**
- (a) Calcium phosphate ✓
  - (b) Sodium phosphate
  - (c) Sodium carbonate
  - (d) Calcium carbonate
- 4- The synovial joint is surrounded by a layer of connective tissue called:**
- (a) Ligament
  - (b) Nucleus pulposus
  - (c) Annulus fibroses
  - (d) Fibrous capsule ✓
- 5- The onset of epilepsy usually occurs before the age of:**
- (a) 25 years
  - (b) 50 years
  - (c) 30 years ✓
  - (d) 35 years



- 6- All of the following animals are the haploid parthenogenetic except:  
(a) Wasps (b) Aphids ✓  
(c) Honey bees (d) Ants
- 7- Uterus opens into the vestibule (vagina) through:  
(a) Cervix ✓ (b) Ureter  
(c) Oviduct (d) Uterine tube
- 8- Vitamins are the organic compounds synthesized within the plant bodies in the presence of:  
(a) Water (b) Nutrients  
(c) Light ✓ (d) Oxygen
- 9- DNA polymerase only adds nucleotides to the end:  
(a) 5' - end (b) 3' - end ✓  
(c) 2' - end (d) 4' - end
- 10- The presence of invading cells other than normal tissue is an indication of:  
(a) Melatoma (b) Abnormality  
(c) Mutation (d) Malignancy ✓
- 11- The condensation of chromosomes reaches to its maximum during:  
(a) Diakinesis ✓ (b) Pachytene  
(c) Zygotene (d) Leptotene
- 12- The individual called universal recipient has:  
(a) B-blood group  
(b) O-blood group  
(c) AB-blood group ✓  
(d) A-blood group
- 13- Patients of cystic fibrosis often die due to numerous infections of the:  
(a) Respiratory tract ✓  
(b) Excretory tract  
(c) Digestive tract  
(d) Reproductive tract
- 14- Emigration and immigration of members of a population, cause disturbance in the:  
(a) Genotype (b) Genetic drift  
(c) Phenotype (d) Gene pool ✓



15- Succession begins by a few hardy invaders, called:

- (a) Initiators
- (b) Pioneers ✓
- (c) Founders
- (d) Creators

16- The soil of grass-land is basically impermeable with excessive:

- (a) Neutral pH
- (b) Acidity
- (c) Salinity ✓
- (d) Moisture

17- Our daily energy requirement met by fossil fuels is:

- (a) 95% ✓
- (b) 75%
- (c) 80%
- (d) 85%

