

Inter (Part-II) 2021

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- **Contractile vacuoles are found in:**
 - (a) Plants
 - (b) Freshwater protozoa ✓
 - (c) Land animals
 - (d) Land plants
- 2- **In 1 gm of ammonia, nitrogen requires how much water for excretion:**
 - (a) 50 ml
 - (b) 100 ml
 - (c) 200 ml
 - (d) 500 ml ✓
- 3- **The process of moulting is controlled by enzyme called:**
 - (a) Ecdysone ✓
 - (b) Aldosteron
 - (c) Oxytocin
 - (d) Androgen
- 4- **Mature bone cells are called:**
 - (a) Osteoblast
 - (b) Osteocytes ✓
 - (c) Osteoclasts
 - (d) Chondrocytes
- 5- **Nissl's granules are group of:**
 - (a) Mesosomes
 - (b) Lysosomes
 - (c) Ribosomes ✓
 - (d) Chromosomes
- 6- **Which one is the type of asexual reproduction:**
 - (a) Apomixes ✓
 - (b) Vernalization
 - (c) Fertilization
 - (d) Phototropism
- 7- **Immediately after fertilization, the egg undergoes some series of mitotic divisions called:**
 - (a) Morulla
 - (b) Blastula
 - (c) Gastrulation
 - (d) Cleavage ✓
- 8- **Hatching period of chick is:**
 - (a) 15 days
 - (b) 20 days
 - (c) 21 days ✓
 - (d) 25 days

- 9- Morphological characteristics of chromosomes are collectively called:
- (a) Karyotype ✓ (b) Neotype
(c) Holotype (d) Phenotype
- 10- DNA synthesis and chromosomal doubling occurs in:
- (a) G₁-phase (b) G₂-phase
(c) G₀-phase (d) S-phase ✓
- 11- Full cell cycle in yeast cells has length of:
- (a) 30 minutes (b) 60 minutes
(c) 90 minutes ✓ (d) 120 minutes
- 12- Locus is:
- (a) Part of DNA (b) Position of gene ✓
(c) Partner of gene (d) Part of gene
- 13- The enzyme which joins the two pieces of DNA is:
- (a) DNA ligase ✓ (b) DNA polymerase
(c) Endo nuclease (d) Lipase
- 14- According to endosymbiont hypothesis, the aerobic bacteria developed into:
- (a) Ribosome (b) Lysosome
(c) Mitochondria ✓ (d) Plastids
- 15- Which of the following is vestigial organ of whale:
- (a) Gills (b) Leg bones
(c) Lungs (d) Pelvis and leg bones ✓
- 16- The abiotic component of an ecosystem is:
- (a) Temperature ✓ (b) Producer
(c) Consumer (d) Decomposer
- 17- Establishment of new forests, where no forests existed before is called:
- (a) Reforestation (b) Afforestation ✓
(c) Deforestation (d) Desertification