

## Biology (Objective)

## Group - II

Time: 20 Minutes

Marks : 17

**Note:** Write answers to the questions on the objective answer sheet provided. Four possible answers are given. Which answer you consider correct fill the corresponding circle A, B, C or D in front of each question with marker or ink on the answer sheet provided.

*RWP-2-24*

- 1.1 Which part of brain acts as homeostatic thermostat in human?  
(A) Thalamus (B) Hypothalamus (C) Cerebrum (D) Medulla
2. Most of cartilage consists of:  
(A) Osteoclasts (B) Osteocytes (C) Chondrocytes (D) Cartilocytes
3. Commercial cork is obtained from wood of:  
(A) Quercus suber (B) Dalbergia sisso (C) Solanum nigrum (D) Cassia fistula
4. Which hormone promotes flowering in pineapple?  
(A) Auxins (B) Cytokinins (C) Ethene (D) Abscissic acid
5. In an unstimulated neuron, the membrane potential is approximately:  
(A) + 50 mV (B) - 50 mV (C) + 70 mV (D) - 70 mV
6. Preparation for Lactation is stimulated by:  
(A) FSH (B) ICSH (C) LTH (D) TSH
7. The cavity formed between somatic and splanchnic mesoderm is called:  
(A) Archenteron (B) Coelom (C) Neurocoel (D) Blastocoel
8. In eukaryotic cells, RNA polymerase - II makes:  
(A) m-RNA (B) r-RNA (C) t-RNA (D) c-DNA
9. A typical chromosome may contain ----- nucleotides.  
(A) 4 Billion (B) 140 Billion (C) 100 Million (D) 140 Million
10. During cell cycle, chromosomal contents are doubled in:  
(A) G<sub>1</sub> phase (B) G<sub>0</sub> phase (C) S-phase (D) G<sub>2</sub>-phase
11. Secreter gene "SE" is located on chromosome No:  
(A) 11 (B) 19 (C) 21 (D) 23
12. Bacteria naturally contain restriction endonucleases for their protection against:  
(A) Antibiotics (B) Heavy metals (C) Viruses (D) Other bacteria
13. In Sanger's method dideoxynucleoside triphosphate is used to terminate the synthesis of:  
(A) RNA (B) DNA (C) Protein (D) Lipids
14. Which scientist proposed endosymbiont hypothesis?  
(A) Margulis (B) Cuvier (C) Darwin (D) Malthus
15. Bacteria present in root nodules fix nitrogen and convert into:  
(A) Nitrites (B) Nitrates (C) Amino acids (D) Ammonia
16. The productivity in tropical grasslands is more than :  
(A) 1500 g/m<sup>2</sup> (B) 2000 g/m<sup>2</sup> (C) 3000 g/m<sup>2</sup> (D) 4000 g/m<sup>2</sup>
17. Establishment of forests where no forest existed previously is called:  
(A) Deforestation (B) Afforestation (C) Reforestation (D) Forestation

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