11th CLASS - 12022

BIOLOGY

GROUP: SECOND

OBJECTIVE

TIME: 20 MINUTES

MARKS: 17

NOTE: You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

UE	STION NO. 1
1	Percentage of O ₂ in biomass of man
	(A) 18 % (B) 10% (C) 65 % (D) 50 %
2	80 % of the total RNA in the cell is
	(A) m RNA (B) r RNA (C) t RNA (D) mi RNA
3	For enzymes of human body, optimum temperature is
	(A) 30 °C (B) 25 °C (C) 45 °C (D) 37 °C
4	Major component of primary wall is
	(A) Cellulose (B) Lignin (C) Pectin (D) Silica
5	Number of capsomeres in the capsid of adeno virus is
	(A) 152 (B) 252 (C) 162 (D) 262
6	E. Coli is an example of
	(A) Bacilli (B) Cocci (C) Spirochete (D) Spiral
7	Cause of African sleeping sickness is
	(A) Trichonympha (B) Trypanosoma (C) Amoeba (D) Paramecium
8	Yeasts belong to group
	(A) Zygomycota (B) Basidiomycota (C) Ascomycota (D) Deuteromycota
9	Which of the following are considered as amphibians of the plants?
	(A) Ferns (B) Gymnosperms (C) Angiosperms (D) Bryophytes
10	Blood of Anodonta bears
	(A) Myoglobin (B) Haemoglobin (C) Bilirubin (D) Haemocyanin
11	Kangroo has abdominal pouch the marsupium where they rear their young ones, belong to subclass
	(A) Prototheria (B) Metatheria (C) Eutheria (D) Myriapoda
12	In anaerobic respiration, pyruvic acid is not oxidized and turns into
	(A) Ethane (B) Methane (C) Methyle alcohol (D) Ethyle alcohol
13	Which of the following is not an accessory pigment?
	(A) Chlorophyll a (B) Chlorophyll b (C) Carotene (D) Xanthophyll
14	Utilization of the products of digestion for production of energy or synthesis of cellular material
	is known as
	(A) Ingestion (B) Digestion (C) Assimilation (D) Absorption
15	Respiratory pigment present in muscles is
	(A) Haemoglobin (B) Myoglobin (C) Myofibril (D) Bilirubin
16	Which of the following is mismatched about RBC?
	(A) Haemoglobin (B) Bone marrow (C) Transport of O ₂ (D) Fibrinogen
17	Which of the following is irrelevant for heart of amphibian?
	(A) Right atrium (B) Right ventricle (C) Truncus arteriosis (D) Sinus venosus

What are prions? (i) Differentiate between micro aerophelic and facultative bacteria (ii) How leguminous plants fix nitrogen? (iii) Why tubular digestive system is better than sac like digestive system? (iv) Write down composition of gastric juice and how its secretion is regulated? (v)

- Why respiratory distress syndrome is common in infant with gestation period (vi) less than 7 months?
- Differentiate between pleura and diaphragm (vii)

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(ii)

(iii)

(iv)

(v)

(vi)

(vii)

(viii)

(ix)

(x)

(xi)

(xii)

(ii)

(iii)

(iv)

(v)

(vi)

(vii)

(viii)

(ix)

(x)

(xi)

(xii)

QUESTION NO. 4

of that disease

GROUP: SECOND

- What changes occur in chest cavity of man during inspiration? (viii)
- Why smoking in young adults is the most potential threat of lungs cancer? (ix)

SECTION-II

Note: Attempt any Three questions from this section

 $8 \times 3 = 24$

- Q.5 (A) Why organelles and cell level of organization is important for life along with molecular level?
 - (B) How cardiac cycle works in Man? Give its various stages and its regulation
- Q.6 (A) Describe the importance of water for life
 - (B) What are the various economic losses due to fungi?
- Q.7 (A) Write down the characteristics and economic importance of cyanobacteria
 - (B) Discuss different evolutionary steps in evolution of megaphyll
- Q.8 (A) Write a note on the history of two to five kingdom system
 - (B) Explain the phenomenon of non-cyclic phosphorylation
- 0.9 (A) Compare prokaryotic cell with that of eukaryotic cell
 - (B) Discuss digestion in stomach of man