

Objective
Paper Code
6468

F80-62-21
Intermediate Part First
BIOLOGY (Objective) GROUP - II
Time: 20 Minutes Marks: 17

Roll No. : _____



Q.No.1

You have four choices for each objective type question as A, B, C and D. The choice which you think is correct, fill the relevant circle in front of that question number on computerized answer sheet. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero marks in that question. Attempt as many questions as given in objective type question paper and leave other circles blank.

S.#	Questions	A	B	C	D
1	The body cavity of Nematoda is called as:	Blastocoel	Haemocoel	Pseudocoel	Coelom
2	The phylum which is exclusively marine is:	Echinodermata	Pisces	Porifera	Amphibia
3	In respiratory chain, the coenzyme Q is oxidized by cytochrome:	Cyt-b	Cyt-a	Cyt-ab	Cyt-c
4	The end product of glucose breakdown in glycolysis is:	Acetate	Pyruvate	Oxalate	Fumarate
5	The inactive pepsinogen is secreted by cells:	Oxyntic	Zymogenic	Mucous	Gastric
6	The lungs are covered by double-layered thin membranous sacs called:	Pleura	Alveoli	Air sacs	Pericardium
7	Types of blood cells which stay from 10 - 20 hours in the blood are called:	Monocytes	Lymphocytes	Neutrophils	Leukocytes
8	The substance which inhibit blood clotting is:	Histamine	Heparin	Disprin	Fibrin
9	Pasteurization is widely used for preservation of:	Vegetable	Fruit	Meat products	Milk products
10	The branch of biology which deals with the study of chemical component and chemical process in living organism is called:	Biochemistry	Biogenetic	Bioecology	Biology
11	The competitive inhibitor of succinic acid is:	Succinic acid	Fumaric acid	Citric acid	Malonic acid
12	Which is not found in primary wall?	Cellulose	Hemicellulose	Lignin	Pectic
13	A disease, which is highly contagious is:	Measles	Mumps	Herpes	AIDS
14	Grape-like cluster of cocci-bacteria is called as:	Diplococcus	Streptococcus	Staphylococcus	Diplobacillus
15	Which is not a ciliate?	Paramecium	Vorticella	Stentor	Trypanosoma
16	Which is used to give flavour, aroma and colour to cheese?	Yeast	Puccinia	Penicillium	Agaricus
17	All seed producing plants are called:	Bryophytes	Tracheophytes	Pteridophytes	Spermatophytes

40-XI121-32000

F80-6221

Intermediate Part First

Roll No. _____

BIOLOGY (Subjective) GROUP - II

Time: 02:40 Hours Marks: 68

SECTION – I

2. Write short answers to any EIGHT parts. 16
- Write briefly the protective function of water.
 - Differentiate between coenzyme and prosthetic group.
 - Define inhibitors. Give an example.
 - What is induce fit model of enzyme action?
 - Differentiate between spore and conidia.
 - What are predator fungi? Give an example.
 - Differentiate between radial and bilateral symmetry.
 - What are parabronchi? Write their function.
 - What are nematocysts? Give their function.
 - What is placenta and its role?
 - Why Calvin cycle is also called as C_3 pathway.
 - Define chemiosmosis.
3. Write short answers to any EIGHT parts. 16
- Define embryology.
 - What is biotechnology?
 - What is unit membrane model of cell membrane?
 - What is primary cell wall? Give its chemical composition.
 - Define kingdom Protista.
 - How zooflagellates obtain their food?
 - Give two examples of brown algae.
 - What is chlorella? Where it is found?
 - What is alternation of generation?
 - What is double fertilization?
 - What are plasmodesmata?
 - Define transpiration.
4. Write short answers to any SIX parts. 12
- Give biological classification of corn.
 - Write four phases in bacterial growth curve.
 - Distinguish between saprophytic and parasitic nutrition.
 - Name various types of salivary glands and give ingredients of saliva.
 - Differentiate between Diarrhoea and Constipation.
 - What is Asthma? Give its effects.
 - Differentiate between haemoglobin and myoglobin.
 - Give composition of inhaled and exhaled air.
 - Give two factors which affect capacity of haemoglobin to combine with oxygen.

SECTION – II Attempt any THREE questions. Each question carries 08 marks.

5. (a) Write note on protection and conservation of environment. 04
(b) Write any eight functions of blood. 04
6. (a) Write a note on carbohydrates. 04
(b) Discuss two mutualistic symbiotic associations of fungi. 04
7. (a) Describe physical and chemical methods to control micro-organisms. 04
(b) Describe different adaptations of bryophytes to land habitat. 04
8. (a) Write a note on life cycle of AIDS. 04
(b) Write non-cyclic phosphorylation. 04
9. (a) Write a note on plastids. 04
(b) Discuss nutrition in insectivorous plants. 04

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