O. P. JINDAL SCHOOL, SAVITRI NAGAR

Periodic Test – I (Round-II) (2026 – 2027)

Class: XII **Maximum Marks: 20**

Subject: Biology (044) **Time: 01 Hour**

General Instructions:

- *Question paper contains 03 Sections (Section – A, Section – B, Section – C)*
- *Section A – Multiple Choice Questions (MCQ's) carries 01 mark each.*
- *Section B – Very Short Answer Type Questions carries 02 marks each.*
- *Section C – Short Answer Type Questions carries 03 marks each.*

Section – A

Q1. The free-living fungus Trichoderma can be used for

(a) Killing insects
(b) Biological control_of plant diseases
(c) Controlling butterfly caterpillars
(d) Producing antibiotics

Q2. The vitamin whose content increases following the conversion of milk into curd by lactic acid bacteria is

(a) Vitamin C
(b) Vitamin D
(c) Vitamin B_{12}
(d) Vitamin E

Q3. Monascus purpureus is used for

(a) Production of ethanol
(b) Production of citric acid
(c) Lowering blood cholesterol
(d) Production of acetic acid

Q4. Elephantiasis is caused by

(a)Filarial worms
(b)Flatworms
(c)Tapeworms
(d)Ringworm

Q5. The _____ is at its largest in children, but with the onset of puberty, it eventually shrinks and gets replaced by fat.

(a)Thymus
(b)Hypothalamus
(c)Parathyroid gland
(d)Pineal gland

Q6. BOD of waste water is estimated by measuring the amount of

(a) Total organic matter
(b) Biodegradable organic matter
(c) Oxygen evolution
(d) Oxygen consumption

Section – B

Q7.Name a microbe used for statin production. How do statins lower blood cholesterol level?

Q8. How do cytokinin barriers help in evading viral infections?

Q9. Which bacterium has been used as a clot buster? What is its mode of action?

Q10. Draw a well labelled diagram of Antibody molecule.

OR

Why is secondary immune response more intense than the primary immune response in humans?

Section – C

Q11. Explain the life cycle of Plasmodium in human and mosquito with a neat diagram.

OR

Name the cells HIV (Human Immunodeficiency Virus) gains entry into after infecting the human body. Explain the events that occur in these cells.

Q12. Describe the main ideas behind the biological control of pests and diseases.

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