

ESKPX-XXVI (I)
SSC-(P-II)
BIOLOGY – 10th

Time: 2 Hours 40 Minutes

SECTION "B"

Marks: 32

Q.2. Attempt any EIGHT (08) questions. All questions carry equal marks.

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| i. Illustrate carcinogens as a major cause of lung cancer. Also state any two treatment strategies for lung cancer. | 2+2 |
| ii. List any four different plants/trees and name the specific waste substance each excretes through special pores. | 1+1+1+1 |
| iii. Clarify the terms renal tubule and renal corpuscle. | 2+2 |
| iv. What are gonads? Briefly describe both male and female gonads. | 2+1+1 |
| v. Show how is grey matter different from white matter in brain. Also state the size and shape of pituitary gland. | 2+1+1 |
| vi. Enumerate middle ear bones and neck bone in human. | 3+1 |
| vii. Define asexual reproduction in animals. Also state any three types of asexual reproduction. | 1+3 |
| viii. Define a hybrid? Also describe a dominant trait. | 2+2 |
| ix. Compare ectoparasites with endoparasites in terms of definition and examples. | 2+2 |
| x. State any four reasons why is the environment inside a fermenter suitable for microorganisms. | 1+1+1+1 |
| xi. Briefly describe the terms euphoria and day dreaming caused by narcotics. Also state any two examples of narcotics. | 2+2 |

SECTION "C"

Marks: 21

Note: Attempt any THREE (03) questions. All questions carry equal marks.

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| Q.3. a) Relate oxalate-rich foods to stone formation. Also name two such foods. | 2+2 |
| b) Define the term blind spot and fovea. | 1.5+1.5 |
| Q.4. a) Describe ball and socket joint as an example of freely movable joints. Also give any two examples of such joints. | 2+2 |
| b) Explain the adaptations of wind pollinated flowers in case of pollen grains and stigma. | 2+2 |
| Q.5. a) Identify two new phenotypes appearing in F ₂ generation. Explain their appearance with reference to independent assortment. | 2+2 |
| b) Define garbage, rubbish, trash and medical wastes. Also state how do they cause land pollution. | 0.5+0.5+0.5+0.5+1 |
| Q.6. a) Why is fermentation considered a useful biological process in food industry? Give any two proofs. | 2+2 |
| b) State one physical, one behavioral and one psychological symptom of drug addiction. | 1+1+1 |