लोक सेवा आयोग
नेपाल बन सेवा, वोटानी समूह, राजपत्र अन्तर्गत द्वितीय श्रेणीको खुला प्रतियोगितात्मक लिखित परीक्षाको पाठ्यक्रम

यस पाठ्यक्रमलाई दुई भागमा विभाजन गरिएको छ ।

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व्याख्या : 

(१) पाठ्यक्रममा भएका यथा सम्बंध सबै पाठ्यांशहरूवाँ प्रश्न सोधिनेछ ।
(२) गल्ती गरीको प्रश्नोत्तरका लागि २० प्रतिशत अंक कटा गरिएको छ ।
(४) यो पाठ्यक्रम २०५५ साल आपात २२ गन्तेरिख लागू हुनेछ ।
2. Differences between living beings and non-living things.
3. Differences between Plants and Animals.
4. The cell: types of cells, differences between prokaryotic cell and Eukaryotic cell; parts of cell, cell membrane, protoplasm, cytoplasm, mitochondria, golgi bodies, centrosome, ribosomes, lysosomes and vacuoles.
5. Nucleus: nuclear membrane, chromatin reticulum, chromosomes, DNA and RNA, differences between DNA and RNA.
6. Characteristic features of a plant cell, differences between animal and plant cell.
7. Cell division, mitosis, meiosis, significance of meiosis, differences between mitosis and meiosis.
9. Respiration, significance of respiration, types of respiration, differences between aerobic and anaerobic respiration.
12. Ecosystem and its components, types of ecosystem.
13. Life cycle of plants, parts of a typical (Mustard plant) plant, function of leaf, typical flower, calyx, corolla, androecium, gynoecium, pollination.
15. Structure of virus, bacteria and yeast.

**Model Questions**

1. The animal cell contains:
   (A) Cell wall   (B) Plastides   (D) Lysosome   (D) Centrosome
2. The cell division where the number of chromosomes in the daughter cell becomes half is known as:
   (A) Mototic cell division   (B) Anaphase   (C) Metaphase   (D) Meiotic cell division
3. The respiration when food is broken down in the absence of oxygen is called:
   (A) Aerobic   (B) Anaerobic   (C) Breathing   (D) All of the above
4. The Mustard flower is:
   (A) Bisexual   (B) Unisexual   (C) Sexual   (D) None of the above
5. Fungus possessing two kinds of mycelia, which are morphologically similar but physiologically distinct is said to exhibit:
   (A) Homothallism   (B) Heterothallism   (C) Promycelium   (D) None of the above