www.Padasalai.Net www.TrbTnpsc.com Tsi12Bio **Tenkasi District** Common Second Revision Examination - 2025 Standard 12 Time: 3.00 Hours Marks: 70 BIOLOGY Marks: 35 Part - I (Bio-Botany) Section - A 8x1=8 Choose the best answer. Arrange the layers of another wall from locus to periphery a) Epidermis, middle layers, tapetum, endothecium b) Endothecium, epidermis, middle layers, tapetum c) Tapetum, middle layers, epidermis, endothecium d) Tapetum, middle layers, endothecium, epidermis Which of the following explains how progeny can posses the combinations of traits that none of the parent possessed a) Law of segregation b) Chromosome theory c) Law of independent assortment d) Polygenic inheritance 3) Which one of the following is not correct statement a) Ti plasmid causes the bunchy top disease b) Multiple cloning site is known as polylinker c) Non viral method transection of Nucleic acid in cell d) Polylactic acid is a kind of biodegradable and bioactive thermoplastic 4) Cryopreservation means it is a process to preserve plant cells, tissues or organs a) at very low temperature by using ether b) at very high temperature by using liquid Nitrogen c) at very low temperature of -196°C by using liquid nitrogen d) at very low temperature by using liquid nitrogen 5) A specific place in an ecosystem, where an organism lives and performs its function is a) habitat b) niche d) biome c) Landscape Match list I with list II List I List II Free living N2 a) Aspergillus b) Amanita Iymbiotic N2 c) Anabaena azolla 3. P Solubilizing d) Azotobacter 4. P Mobilizing b) 1-d 2-c 3-a 4-b a) 1-c 2-a 3-b 4-d c) 1-a 2-c 3-b 4-d d) 1-b 2-a 3-d 4-c 7) The active principle trans-tetrahydrocandrial is present in b) Curcume c) Marijuana a) Opium 🤛 d) Andrographis 8) Chipko movement was launched for the protection of a) forests b) livestock c) wetlands d) grasslands Section - B IL Answer any four of the following questions. 4x2 = 8Differentiate Grafting and layering 10) Give the types of synapsis 11) What is seaweed Liquid fertilizer 12) Mention the human activities that lead to produce green house effect? 13), What are the materials used to grow micro-organism like spirulina 14) Name the humors that are responsible for the health of human beings? Section - C

III. Answer any three of the following questions. Q.No. 19 is compulsory. 3x3=9

15) Write short notes on pBR322 with diagram

16) What are the reasons for Mendel's success in his breeding experiment?

Differentiate Somaclonal variation and gametoclonal variation

18) What is Albeds effect?

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