

# BOTANY

Time: 15 Minutes

Max. Marks: 08

## SECTION "A" MULTIPLE CHOICE QUESTIONS

1. Choose the correct answer for each from the given options:

- (i) Appearance of intermediate characters in alleles in generate is called: • Incomplete dominance  
• Co-dominance • Test cross • Multiple alleles
- (ii) One gene-one enzyme hypothesis was given by:  
• Griffith • T.H. Morgan • Chase • Bendle and Tatum
- (iii) For their defence, infected plants produce a variety of these chemical compounds:  
• Phytoalexin • Phytochrome  
• Phytoplankton • Phytohormone
- (iv) Germination occurring in constal plants is called:  
• Epigeal • Vivipary • Parthenocarp • Hypogeal
- (v) Fibres and sclereids are this type tissues:  
• Parenchyma • Sclerenchyme • Collenchyma • Stele
- (vi) This is present in RNA but not DNA:  
• Adenine • Guanine • Cytosine • Uracil
- (vii) Plant hormone responsible for ripening of fruits is:  
• Auxin • Ethene • Cytokinin • Gibberellin
- (viii) Above 40°C plant cells synthesize relatively large amounts of special proteins called:  
• Tubulin • Heat-shock • Cold-shock • Ice-shock
- (ix) Plants, having both staminate and carpellate flowers, are called:  
• Monococious • Dioecious • Female • Male
- (x) A permanent alteration in the DNA sequence is called:  
• Crossing over • Zygotene • Mutation • Linkage
- (xi) The pairing of homologous chromosomes during Meiosis is called:  
• Mitosis • Amitosis • Synapsos • Apoptosis
- (xii) The total aggregate of genes in a population at any I time is called: • Multiple alleles • Dominant alleles  
• Genes pool • Recessive allele
- (xiii) The cross fertilization of a phenotypicalley dominant individual with a homozygous recessive is called:  
• Back-cross • Test-cross  
• Monohy brid-cross • Dihybrid-cross
- (xiv) The grandual process by which ecosystems change and develop over time is:  
• Succession • Climate • Niche • Synapsis
- (xv) In this process strong winds cause deep, oceanic cold water to rise towards the surface:  
• Up-welling • Respiration • Autecology • Ecology
- (xvi) Each chromosome is attached to spindle fibre though:  
• Centriole • Aster • kinctocho • Cell plate