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MP SET
Life Sciences

TEST SERIES PLAN

Smart Preparation.
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PAPER II — LIFE SCIENCES

MOLECULES AND THEIR INTERACTION RELEVANT TO BIOLOGY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	MOLECULES AND THEIR INTERACTION RELEVANT TO BIOLOGY 01	50
	MOLECULES AND THEIR INTERACTION RELEVANT TO BIOLOGY 02	50
	MOLECULES AND THEIR INTERACTION RELEVANT TO BIOLOGY 03	50
PRACTICE TEST	Atoms Molecules Chemical Bonds	10
	Biomolecules	10
	Stabilizing Interactions	10
	Biophysical Chemistry	10
	Bioenergetics	10
	Catalysis	10
	Protein Conformation	10
	Nucleic Acid Conformation	10
	Stability Proteins Nucleic Acids	10
	Metabolism	10

CELLULAR ORGANIZATION

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	CELLULAR ORGANIZATION 01	50
	CELLULAR ORGANIZATION 02	50
	CELLULAR ORGANIZATION 03	50
PRACTICE TEST	Membrane Structure and Function	10
	Intracellular Organelles	10
	Genes and Chromosomes	10
	Cell Division and Cell Cycle	10
	Microbial Physiology	10

FUNDAMENTAL PROCESSES

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	FUNDAMENTAL PROCESSES 01	50
	FUNDAMENTAL PROCESSES 02	50
	FUNDAMENTAL PROCESSES 03	50
PRACTICE TEST	DNA Replication Repair Recombination	10
	RNA Synthesis Processing	10
	Protein Synthesis Processing	10
	Control Gene Expression	10

CELL COMMUNICATION AND CELL SIGNALING

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	CELL COMMUNICATION AND CELL SIGNALING 01	50

CELL COMMUNICATION AND CELL SIGNALING (CONT.)		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST (CONT.)	CELL COMMUNICATION AND CELL SIGNALING 02	50
	CELL COMMUNICATION AND CELL SIGNALING 03	50
PRACTICE TEST	Host Parasite Interaction	10
	Cell Signaling	10
	Cellular Communication	10
	Cancer	10
	Innate Adaptive Immune System	10

DEVELOPMENTAL BIOLOGY		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	DEVELOPMENTAL BIOLOGY 01	50
	DEVELOPMENTAL BIOLOGY 02	50
	DEVELOPMENTAL BIOLOGY 03	50
PRACTICE TEST	Basic Concepts of Development	10
	Gametogenesis Fertilization and Early Development	10
	Morphogenesis and Organogenesis in Animals	10
	Morphogenesis and Organogenesis in Plants	10
	Programmed Cell Death Aging and Senescence	10

SYSTEM PHYSIOLOGY – PLANT		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	SYSTEM PHYSIOLOGY PLANT 01	50
	SYSTEM PHYSIOLOGY PLANT 02	50
	SYSTEM PHYSIOLOGY PLANT 03	50
PRACTICE TEST	Photosynthesis	10
	Respiration and Photorespiration	10
	Nitrogen Metabolism	10
	Plant Hormones	10
	Sensory Photobiology	10
	Solute Transport Photoassimilate Translocation	10
	Secondary Metabolites	10
	Stress Physiology	10

SYSTEM PHYSIOLOGY – ANIMAL		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	SYSTEM PHYSIOLOGY ANIMAL 01	50
	SYSTEM PHYSIOLOGY ANIMAL 02	50
	SYSTEM PHYSIOLOGY ANIMAL 03	50
PRACTICE TEST	Blood and Circulation	10
	Cardiovascular System	10
	Respiratory System	10

SYSTEM PHYSIOLOGY – ANIMAL (CONT.)		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
PRACTICE TEST (CONT.)	Nervous System	10
	Sense Organs	10
	Excretory System	10
	Thermoregulation	10
	Stress and Adaptation	10
	Digestive System	10
	Endocrinology and Reproduction	10

INHERITANCE BIOLOGY		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	INHERITANCE BIOLOGY 01	50
	INHERITANCE BIOLOGY 02	50
	INHERITANCE BIOLOGY 03	50
PRACTICE TEST	Mendelian Principles	10
	Concept of Gene	10
	Extensions Mendelian	10
	Gene Mapping	10
	Extrachromosomal Inheritance	10
	Microbial Genetics	10
	Human Genetics	10
	Quantitative Genetics	10
	Mutation	10
	Chromosomal Alterations	10
	Recombination	10

DIVERSITY OF LIFE FORMS		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	DIVERSITY OF LIFE FORMS 01	50
	DIVERSITY OF LIFE FORMS 02	50
	DIVERSITY OF LIFE FORMS 03	50
PRACTICE TEST	Principles and Methods of Taxonomy	10
	Levels of Structural Organization	10
	Classification of Plants Animals Microorganisms	10
	Natural History of Indian Subcontinent	10
	Organisms of Health and Agricultural Importance	10
	Organisms of Conservation Concern	10

ECOLOGICAL PRINCIPLES		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	ECOLOGICAL PRINCIPLES 01	50
	ECOLOGICAL PRINCIPLES 02	50
	ECOLOGICAL PRINCIPLES 03	50
PRACTICE TEST	The Environment	10
	Habitat and Niche	10
	Population Ecology	10
	Species Interactions	10
	Community Ecology	10
	Ecological Succession	10
	Ecosystem Ecology	10
	Biogeography	10
	Applied Ecology	10
	Conservation Biology	10

EVOLUTION AND BEHAVIOR		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	EVOLUTION AND BEHAVIOR 01	50
	EVOLUTION AND BEHAVIOR 02	50
	EVOLUTION AND BEHAVIOR 03	50
PRACTICE TEST	Emergence of Evolutionary Thoughts	10
	Origin of Cells and Unicellular Evolution	10
	Paleontology and Evolutionary History	10
	Molecular Evolution	10
	The Mechanisms	10
	Brain Behavior and Evolution	10

APPLIED BIOLOGY		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	APPLIED BIOLOGY 01	50
	APPLIED BIOLOGY 02	50
	APPLIED BIOLOGY 03	50
PRACTICE TEST	Microbial Fermentation	10
	Immunological Principles	10
	Transgenic Animals Plants	10
	Genomics Application	10
	Bioresource Biodiversity	10
	Breeding Plants Animals	10
	Bioremediation Phytoremediation	10
	Biosensors	10

METHODS IN BIOLOGY		
TYPE	**TEST NAME**	**NO. OF QUESTIONS**
UNIT TEST	METHODS IN BIOLOGY 01	50
	METHODS IN BIOLOGY 02	50
	METHODS IN BIOLOGY 03	50
PRACTICE TEST	Molecular Biology Recombinant DNA	10
	Histochemical Immunotechniques	10
	Biophysical Methods	10
	Statistical Methods	10
	Radiolabeling Techniques	10
	Microscopic Techniques	10
	Electrophysiological Methods	10
	Methods Field Biology	10

PAPER I	
TEST NAME	**NO. OF QUESTIONS**
UNIT 1 : TEACHING APTITUDE	50
UNIT 2 : RESEARCH APTITUDE	50
UNIT 3 : COMPREHENSION	50
UNIT 4 : COMMUNICATION	50
UNIT 5 : MATHEMATICAL REASONING	50
UNIT 6 : LOGICAL REASONING	50
UNIT 7 : DATA INTERPRETATION	50
UNIT 8 : INFORMATION AND COMMUNICATION TECHNOLOGY	50
UNIT 9 : PEOPLE DEVELOPMENT AND ENVIRONMENT	50
UNIT 10 : HIGHER EDUCATION SYSTEM	50

MOCK TESTS	
TEST NAME	**NO. OF QUESTIONS**
MOCK TEST 01	150
MOCK TEST 02	150
MOCK TEST 03	150
MOCK TEST 04	150
MOCK TEST 05	150
MOCK TEST 06	150
MOCK TEST 07	150
MOCK TEST 08	150
MOCK TEST 09	150
MOCK TEST 10	150

YOUR PATH TO MP SET SUCCESS

In the field of observation, chance favours only the prepared mind.

— LOUIS PASTEUR

Every test you attempt sharpens the mind that will one day answer the questions no one has asked yet. Prepare with intent, review without excuses, and let consistency do the rest.

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