BATCH PLANNER

WB SET
LIFE SCIENCES
TEST SERIES PLAN



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PAPER II — LIFE SCIENCES

UNIT 01 : CELL BIOLOGY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	CELL BIOLOGY 01	50
	CELL BIOLOGY 02	50
	CELL BIOLOGY 03	50
PRACTICE TEST	CELL AND ORGANELLE STRUCTURE	10
	CELL DIVISION AND DIFFERENTIATION	10
	CELL INTERACTION AND MALIGNANT GROWTH	10
	IMMUNE RESPONSE, DOSAGE COMPENSATION AND SEX DETERMINATION	10

UNIT 02 : BIOCHEMISTRY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	BIOCHEMISTRY 01	50
	BIOCHEMISTRY 02	50
	BIOCHEMISTRY 03	50
PRACTICE TEST	ATOMIC STRUCTURE, BONDS AND PHYSICAL CHEMISTRY	10
	NUCLEIC ACIDS AND CENTRAL DOGMA	10
	CARBOHYDRATES AND LIPIDS	10
	PROTEINS, ENZYMES AND COENZYMES	10
	RESPIRATION AND PHOTOSYNTHESIS	10

UNIT 03 : PHYSIOLOGY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	PHYSIOLOGY 01	50
	PHYSIOLOGY 02	50
	PHYSIOLOGY 03	50
PRACTICE TEST	STRESS RESPONSE AND ACTIVE TRANSPORT	10
	PLANT AND ANIMAL HORMONES	10
	NUTRITION AND VITAMINS	10
	REPRODUCTION IN PLANTS, MICROBES AND ANIMALS	10

UNIT 04 : GENETICS

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	GENETICS 01	50
	GENETICS 02	50
	GENETICS 03	50
PRACTICE TEST	MENDELIAN INHERITANCE AND CHROMOSOME STRUCTURE	10
	GENE STRUCTURE AND REGULATION	10
	LINKAGE MAPPING AND EXTRACHROMOSOMAL INHERITANCE	10
	MUTATION, DNA REPAIR AND CHROMOSOME ABERRATIONS	10

TYPE	TEST NAME	NO. OF QUESTIONS
PRACTICE TEST (CONT.)	TRANSPOSONS, SEX-LINKED INHERITANCE AND GENETIC DISORDERS	10
	SOMATIC CELL GENETICS AND GENOME ORGANISATION	10

UNIT 05 : EVOLUTION

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	EVOLUTION 01	50
	EVOLUTION 02	50
	EVOLUTION 03	50
PRACTICE TEST	ORIGIN OF LIFE AND MOLECULAR EVOLUTION	10
	THEORIES OF EVOLUTION AND SPECIATION	10
	HARDY-WEINBERG EQUILIBRIUM, POLYMORPHISM AND SELECTION	10
	EVOLUTION OF ECONOMICALLY IMPORTANT ORGANISMS	10

UNIT 06 : ENVIRONMENTAL BIOLOGY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	ENVIRONMENTAL BIOLOGY 01	50
	ENVIRONMENTAL BIOLOGY 02	50
	ENVIRONMENTAL BIOLOGY 03	50
PRACTICE TEST	ECOSYSTEM CONCEPT, FOOD CHAIN AND ENERGY FLOW	10
	PRODUCTIVITY, BIOGEOCHEMICAL CYCLES AND ECOSYSTEM TYPES	10
	POPULATION ECOLOGY AND COMMUNITY STRUCTURE	10
	POLLUTION, SUSTAINABLE DEVELOPMENT AND ECONOMIC IMPORTANCE	10

UNIT 07 : BIODIVERSITY AND TAXONOMY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	BIODIVERSITY AND TAXONOMY 01	50
	BIODIVERSITY AND TAXONOMY 02	50
	BIODIVERSITY AND TAXONOMY 03	50
PRACTICE TEST	SPECIES CONCEPT AND CLASSIFICATION THEORIES	10
	SYSTEMATICS, DNA FINGERPRINTING AND NUMERICAL TAXONOMY	10
	BIODIVERSITY: MAGNITUDE, DISTRIBUTION AND ECONOMIC VALUE	10
	WILDLIFE BIOLOGY, CONSERVATION AND CRYOPRESERVATION	10

UNIT 08 : PLANT SCIENCES

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	PLANT SCIENCES 01	50
	PLANT SCIENCES 02	50
	PLANT SCIENCES 03	50
PRACTICE TEST	PLANT TAXONOMY AND BIOSYSTEMATICS	10
	CRYPTOGAMS AND PALAEOBOTANY	10
	GYMNOSPERMS AND ANGIOSPERM DEVELOPMENT	10
	REPRODUCTIVE BIOLOGY OF PLANTS	10

TYPE	TEST NAME	NO. OF QUESTIONS
PRACTICE TEST (CONT.)	ECONOMIC BOTANY AND PLANT GENETIC RESOURCES	10
	WATER RELATIONS AND MINERAL NUTRITION	10
	SEED PHYSIOLOGY AND GROWTH REGULATION	10
	PLANT BREEDING AND PLANT PATHOLOGY	10

UNIT 09 : ANIMAL SCIENCES

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	ANIMAL SCIENCES 01	50
	ANIMAL SCIENCES 02	50
	ANIMAL SCIENCES 03	50
PRACTICE TEST	ANIMAL TAXONOMY AND INVERTEBRATE DIVERSITY	10
	PROTOCHORDATES AND CHORDATES	10
	MAMMALIAN PHYSIOLOGY I	10
	DEVELOPMENTAL BIOLOGY	10
	ANIMAL BEHAVIOUR AND ECOPHYSIOLOGY	10
	PARASITOLOGY	10

UNIT 10 : MICROBIOLOGY & IMMUNOLOGY

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	MICROBIOLOGY & IMMUNOLOGY 01	50
	MICROBIOLOGY & IMMUNOLOGY 02	50
	MICROBIOLOGY & IMMUNOLOGY 03	50
PRACTICE TEST	MEDICAL AND AGRICULTURAL ENTOMOLOGY	10
	CYTOGENETICS AND POPULATION GENETICS	10
	CELL STRUCTURE AND ORGANISATION	10
	FUNDAMENTALS OF ECOLOGY	10
	ECOSYSTEM MANAGEMENT AND CONSERVATION	10
	AQUATIC BIOLOGY AND FISHERIES	10
	MICROBIAL DIVERSITY	10
	APPLIED AND INDUSTRIAL MICROBIOLOGY	10
	IMMUNOLOGY	10
	MICROBIAL GROWTH, GENETICS AND CONTROL	10
	MACROMOLECULAR STRUCTURE	10

UNIT 11 : BIOCHEM

TYPE	TEST NAME	NO. OF QUESTIONS
UNIT TEST	BIOCHEM 01	50
	BIOCHEM 02	50
	BIOCHEM 03	50
PRACTICE TEST	METABOLISM I: CARBOHYDRATES, LIPIDS AND AMINO ACIDS	10
	BIOENERGETICS	10
	GENOME ORGANISATION AND DNA REPLICATION	10

TYPE	TEST NAME	NO. OF QUESTIONS
PRACTICE TEST (CONT.)	TRANSCRIPTION AND RNA PROCESSING	10
	REGULATION OF GENE EXPRESSION	10
	MOLECULAR BASIS OF DISEASE	10
	BACTERIOPHAGE BIOLOGY AND RECOMBINATION	10
	GENETIC ENGINEERING	10
	CELL AND TISSUE CULTURE BIOTECHNOLOGY	10
	MEMBRANE BIOLOGY	10

PAPER I — GENERAL PAPER ON TEACHING & RESEARCH APTITUDE

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 — FULL SYLLABUS (PAPER I + PAPER II)

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

PRACTICE WITH PURPOSE

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

— **LOUIS PASTEUR**

Every test you attempt sharpens your accuracy, your speed and your judgement. Attempt sincerely, analyse honestly, and revise what the analysis reveals. Do that consistently and WB SET Life Sciences will be well within your reach.

BEST WISHES — TEAM IFAS

IfAS