



ST. LAWRENCE HIGH SCHOOL



JESUIT CHRISTIAN MINORITY INSTITUTION

Syllabus planner for the academic year 2021-2022

TERM: FIRST TERM

CLASS: 11

Subject: BIOLOGICAL SCIENCES

No. of working days: 54

TEACHER'S NAME: MS.MANJAREE GUHA

SECTION: A1, A2

MONTH	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
MAY	-----	-----	-----	-----
JUNE [FIRST TERM FROM 14.6.2021- 15.9.2021]	CHAPTER 8:CELL:THE UNIT OF LIFE CHAPTER 10: CELL CYCLE AND CELL DIVISION	CELL THEORY AND CELL ORGANELLES PHASES OF CELL CYCLE, DETAILS OF STAGES OF MITOSIS AND MEIOSIS	DIAGRAMS ON DIFFERENT CELL ORGANELES SHORT QUESTIONS AND ANSWERS AS PER H.S COUNCIL GUIDELINES DIAGRAMS ON STAGES OF MITOSIS, MEIOSIS	EXPLANATION, DISCUSSION AND NOTES TO BE GIVEN ON RELEVANT TOPIC. NOTES ON COMPARISON OF MITOSIS AND MEIOSIS AND CYTOKINESIS IN PLANTS AND ANIMALS
JULY	CHAPTER 1: THE LIVING WORLD CHAPTER 2: BIOLOGICAL CLASSIFICATION CHAPTER 3: PLANT KINGDOM	DIVERSITY IN LIVING WORLD,TAXONOMY AND TAXONOMICAL AIDS FIVE KINGDOM CLASSIFICATION OF WHITTAKER, 1969 ALGAE, FUNGI, BRYOPHYTE, PTERIDOPHYTE, GYMNOSPERM BASIS OF CLASSIFICATION,LEVELS OF ORGANISATION,	RELATED ANSWERS AS PER H.S COUNCIL GUIDELINES OBJECTIVE QUESTIONS TO BE GIVEN ON DIFFERENT KINGDOMS OF WHITTAKER'S CLASSIFICATION. SHORT QUESTIONS TO BE GIVEN RELATED TO THE TOPICS TAUGHT.	DISCUSSION ON BINOMIAL NOMENCLATURE, LINNEAN HIERARCHY NOTES ON FIVE KINGDOM CLASSIFICATION OF WHITTAKER NOTES ON COMPARISON OF DIFFERENT PLANT GROUPS
AUGUST	CHAPTER 4:ANIMAL KINGDOM CHAPTER 5:MORPHOLOGY OF FLOWERING PLANTS CHAPTER 6: ANATOMY OF FLOWERING PLANTS	ANIMAL CLASSIFICATION (INVERTEBRATES AND VERTEBRATES) ROOT, STEM, LEAVES, FLOWERS, FRUITS, FLORAL FORMULA PLANT TISSUE, STRUCTURAL ORGANIZATION OF PLANT TISSUE IN DIFFERENT PLANT PARTS.	SHORT QUESTIONS TO BE GIVEN ON COMPARISON OF DIFFERENT ANIMAL GROUPS DIAGRAMS ON AESTIVATION,PLACENTATION COMPARISON OF ANATOMY OF DICOT AND MONOCOT PLANTS.	NOTES ON COMPARISON OF DIFFERENT ANIMAL GROUPS EXPLANATION, DISCUSSION AND NOTES TO BE GIVEN ON RELEVANT TOPIC. NOTES ON TYPES OF PLANT TISSUE

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teacher: *Manjaree Guha*

Submitted on: 15th March , 2021.

Academic Co-ordinator: *Jayashree Shetty* 15/3/21

PRINCIPAL

VICE PRINCIPAL

Jayashree Shetty
15/3/2021



ST. LAWRENCE HIGH SCHOOL



JESUIT CHRISTIAN MINORITY INSTITUTION
Syllabus planner for the academic year 2021-2022

TERM: FIRST AND SECOND

CLASS: 11

TEACHER'S NAME: MS.MANJAREE GUHA

SECTION: A1, A2

Subject: BIOLOGICAL SCIENCES

No. of working days: 66

MONTH	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
SEPTEMBER [FIRST TERM ONLINE EXAM BEGINS ON 16.9.2021]	CHAPTER 9: BIOMOLECULES ENTIRE SYLLABUS FOR FIRST TERM EXAMINATION COMPLETD <u>SYLLABUS FOR 1st TERM EXAMINATION- Ch- 1,2,3,4,5,6,8,9 and 10</u>	STRUCTURE AND TYPES OF BIOMOLECULES	SHORT QUESTIONS TO BE GIVEN ON BIOMOLECULES	EXPLANATION, DISCUSSION AND NOTES TO BE GIVEN ON RELEVANT TOPIC.
OCTOBER [SECOND TERM WILL BE FROM 1.10.2021- 14.2.2021]	CHAPTER 7: STRUCTURAL ORGANISATION IN ANIMALS CHAPTER 13: PHOTOSYNTHESIS CHAPTER 14:RESPIRATION IN PLANTS	TYPES OF ANIMAL TISSUES,MORPHOLOGY AND ANATOMY OF COCKROACH LIGHT REACTION,CALVIN CYCLE,C4 AND C2 CYCLE AEROBIC RESPIRATION AND ANAEROBIC RESPIRATION, R.Q.	SHORT QUESTIONS AND ANSWERS AS PER H.S COUNCIL GUIDELINES RELATED ANSWERS AS PER H.S COUNCIL GUIDELINES DIAGRAMS ON LIGHT REACTION CALVIN CYCLE,C4 AND C2 CYCLE SCHEMATIC REPRESENTATIONS OF GLYCOLYSIS, KREB'S CYCLE	NOTES ON TYPES OF ANIMAL TISSUE AND MORPHOLOGY AND ANATOMY OF COCKROACH SHORT QUESTIONS AND ANSWERS RELATED TO THE TOPIC TAUGHT. NOTES ON PHASES AEROBIC RESPIRATION
NOVEMBER	CHAPTER 17:BREATHING AND RESPIRATION CHAPTER 18:CIRCULATION CHAPTER 19:EXCRETORY PRODUCTS DIVISION	TRANSPORT OF GASES,DISORDER OF RESPIRATORY SYSTEM BLOOD GROUPS,CARDIAC CYCLE URINE FORMATION,MICTURITION,DISORDER OF EXCRETORY SYSTEM	QUESTIONS TO BE GIVEN ON DIFFERENT TERMS RELATED TO RESPIRATION QUESTIONS TO BE GIVEN ON FLOWCHART OF BLOOD CIRCULATION,BLOOD COAGULATION QUESTIONS TO BE GIVEN ON FUNCTIONS OF DIFFERENT COMPONENTS OF NEPHRON	NOTES ON EXCHANGE AND TRANSPORT OF GASES NOTES ON BLOOD COAGULATION THROUGH HUMAN HEART EXPLANATION, DISCUSSION AND NOTES TO BE GIVEN ON RELEVANT TOPIC.
DECEMBER	CHAPTER 20:LOCOMOTION AND MOVEMENT CHAPTER 21: NEURAL CONTROL AND CO- ORDINATION CHAPTER 22: ENDOCRINE SYSTEM	MUSCLES, JOINTS,DISORDERS OF SKELETAL SYSTEM HUMAN NERVOUS SYSTEM,GENERATION OF NERVE IMPULSE,SENSORY RECEPTION SITE OF SECRETION AND ROLE OF PITUITARY HORMONES, MECHANISM OF HORMONE ACTION	QUESTIONS TO BE GIVEN TO STRUCTURE OF SKELETAL MUSCLE, SKELETAL SYSTEM DIAGRAMS OF EYE, EAR QUESTIONS TO BE GIVEN ON PITUITARY HORMONES,	NOTES ON TYPES OF MUSCLE AND JOINTS,SKELETAL SYSTEM NOTES ON NEURAL SYSTEM, CNS, EYE, EAR NOTES ON SITE OF SECRETION AND ROLE OF PITUITARY HORMONES TOPIC AND GUIDELINES FOR PROJECT TO BE GIVEN TO THE STUDENTS

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Signature of Teachers: *Manjaree Guha*
Submitted on: 15th March , 2021.

Academic Co-ordinator: *Jayashree Sheya*
15/3/21

PRINCIPAL

VICE PRINCIPAL

Zendy
15/3/2021



ST. LAWRENCE HIGH SCHOOL

JESUIT CHRISTIAN MINORITY INSTITUTION
Syllabus planner for the academic year 2021-2022

TERM: SECOND
CLASS: 11

TEACHER'S NAME: MS.MANJAREE GUHA
SECTION: A1, A2

Subject: BIOLOGICAL SCIENCES
No. of working days: 27

MONTH	LESSONS	TOPICS COVERED	HOMEWORK	CLASS WORK
JANUARY	CHAPTER 15: PLANT GROWTH AND DEVELOPMENT CHAPTER 16: DIGESTION AND ABSORPTION	PHASES AND CONDITIONS OF GROWTH, GROWTH REGULATORS, PHOTOPERIODISM, VERNALIZATION DIGESTIVE SYSTEM, DISORDERS OF DIGESTIVE SYSTEM	OBJECTIVE QUESTIONS TO BE GIVEN ON PLANT HORMONES. QUESTIONS TO BE GIVEN ON DIGESTION OF NUTRIENTS	SHORT QUESTIONS AND ANSWERS RELATED TO THE TOPIC TAUGHT SHORT QUESTIONS AND ANSWERS RELATED TO THE TOPIC TAUGHT
FEBRUARY [SECOND TERM ONLINE EXAM BEGINS ON 17.02.2022]	CHAPTER 11: TRANSPORT IN PLANTS CHAPTER 12: MINERAL NUTRITION ENTIRE SYLLABUS FOR ANNUAL EXAMINATION COMPLETE Revision of the syllabus <u>SYLLABUS FOR SECOND TERM EXAMINATION</u> <u>- CHAPTERS</u> <u>1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22.</u>	DIFFUSION, ACTIVE TRANSPORT, WATER POTENTIAL MACRO- AND MICRONUTRIENTS, NITROGEN METABOLISM Revision	OBJECTIVE QUESTIONS TO BE GIVEN ON ACTIVE TRANSPORT, PASSIVE TRANSPORT, PHLOEM LOADING AND UNLOADING. SHORT ANSWER TYPE QUESTIONS TO BE GIVEN ON NITROGEN METABOLISM Revision	NOTES ON ASCENT OF SAP, MASS FLOW HYPOTHESIS SHORT QUESTIONS AND ANSWERS RELATED TO THE TOPIC TAUGHT QUESTIONS AND ANSWERS FROM ALL THE CHAPTERS REVISED. EXPLANATION, DISCUSSION AND NOTES TO BE GIVEN ON RELEVANT TOPIC.

Teachers are requested to prepare a LESSON PLAN for each Topic to be taught. The Lesson plans are to be submitted along with the monthly planner.

Signature of Teachers: *Manjaree Guha*

Submitted on: 15th March, 2021.

PRINCIPAL

Academic Co-ordinator: *Jayashree Shetye*
15/3/21

VICE PRINCIPAL *[Signature]*
15/3/2021