

**Rise 'N' Shine Senior Secondary Convent School,  
Annual Teaching Plan (2019-20),  
CLASS –XI(biology)**

Prescribed Book :NCERT TEXTBOOK

Reference Book :

Month	No. Of T.Days	Periods	Chapter Covered	Date Of Completion	Principal Remark
April	24	28	<b>Chapter-1: The Living World</b> <b>Chapter-2: Biological Classification</b> <b>Chapter-3: Plant Kingdom</b>		
June	15	14	<b>Chapter-3: Plant Kingdom</b> <b>Chapter-4: Animal Kingdom</b> <b>Spotting:-</b> <b>2:</b> Study Of The Specimens/Slides/Models And Identification With Reasons - Bacteria, Oscillatoria, Spirogyra, Rhizopus, Mushroom, Yeast, Liverwort, Moss, Fern, Pine, One Monocotyledonous Plant, One Dicotyledonous Plant And One Lichen. <b>3:</b> Study Of Virtual Specimens/Slides/Models And Identification With Reasons .Amoeba, Hydra, Liverfluke, Ascaris, Leech, Earthworm, Prawn, Silkworm, Honeybee, Snail, Starfish, Shark, Rohu, Frog, Lizard, Pigeon And Rabbit.		
July	27	34	<b>Chapter-5: Morphology Of Flowering Plants</b> <b>Chapter-6: Anatomy Of Flowering Plants</b> <b>Chapter-7: Structural Organisation In Animals</b> <b>Practical:-</b> <b>1.</b> Study And Description Of Three Locally Available Common Flowering Plants, One From Each Of The Families Solanaceae, Fabaceae & Liliaceae (Poaceae, Asteraceae Or Brassicaceae Can Be Substituted In Case Of Particular Geographical Location) Including Dissection And Display Of Floral Whorls, Anther And Ovary To Show Number Of Chambers (Floral Formulae And Floral Diagrams). Types Of Root (Tap And Adventitious); Stem (Herbaceous And Woody); Leaf (Arrangement, Shape, Venation, Simple And Compound). <b>2:</b> Preparation And Study Of T.S. Of Dicot And Monocot Roots And Stems (Primary). <b>3:</b> Study Of Osmosis By Potato Osmometer. <b>4:</b> Study Of Plasmolysis In Epidermal Peels (E.G. Rhoeo Leaves).		

			<p><b>5:</b> Study Of Distribution Of Stomata In The Upper And Lower Surface Of Leaves. Spotting:- <b>7:</b> Study And Identification Of Different Types Of Inflorescence (Cymose And Racemose). <b>11:</b> Study Of External Morphology Of Cockroach Through Virtual Images/Models.</p>		
August	14+10Exam.	32	<p><b>Chapter-8: Cell-The Unit OfLife</b> <b>Chapter-9: Biomolecules</b> <b>Spotting:-</b> <b>1:</b> Study Of The Parts Of A Compound Microscope. <b>4:</b> Study Of Tissues And Diversity In Shapes And Sizes Of Plant And Animal Cells (Palisade Cells, Guard Cells, Parenchyma, Collenchyma, Sclerenchyma, Xylem, Phloem, Squamous Epithelium, Muscle Fibres And Mammalian Blood Smear) Through Temporary/Permanent Slides. <b>6:</b> Study Of Different Modifications In Roots, Stems And Leaves.</p>		
First Terminal Exam Start From 20 <sup>th</sup> August,2019					
Sept.	20	28	<p><b>Chapter-10: Cell Cycle AndCell Division</b> <b>Chapter-11: Transport InPlants</b> <b>Chapter-12: Mineral Nutrition</b> <b>Practical:-</b> <b>6:</b> Comparative Study Of The Rates Of Transpiration In The Upper And Lower Surface Of Leaves. <b>7:</b> Test For The Presence Of Sugar, Starch, Proteins And Fats. Detection In Suitable Plant And Animal Materials. <b>Spotting:-</b> <b>5:</b> Study Of Mitosis In Onion Root Tip Cells And Animals Cells (Grasshopper) From Permanent Slides.</p>		
Oct.	20	27	<p><b>Chapter-13: Photosynthesis InHigher Plants</b> <b>Chapter-14: Respiration InPlants</b> <b>Chapter-15: Plant - Growth AndDevelopment</b> <b>Practical:</b> <b>8:</b> Separation Of Plant Pigments Through Paper Chromatography. <b>9:</b> Study Of The Rate Of Respiration In Flower Buds/Leaf Tissue And Germinating Seeds. Spotting:- <b>9:</b> Observation And Comments On The Experimental Set Up For Showing: (A) Anaerobic Respiration</p>		

			(B) Phototropism (C) Effect Of Apical Bud Removal (D) Suction Due To Transpiration		
Nov.	14+11Exam.	35	<b>Practical:-</b> <b>10:</b> Test For Presence Of Urea In Urine. <b>11:</b> Test For Presence Of Sugar In Urine. <b>12:</b> Test For Presence Of Albumin In Urine. <b>13:</b> Test For Presence Of Bile Salts In Urine. Spotting:- <b>10:</b> Study Of Human Skeleton And Different Types Of Joints With The Help Of Virtual Images/Models Only.		
II Terminal Exam Start From 19 <sup>th</sup> November 2019					
Dec.	22	28	Revision		
Jan.	25	33	Revision		
Feb.	23	31	Revision		
March	25	Annual Exam			

Teacher's sign:- POOJA JAIN

principal sign:-