

SHARJAH INDIAN SCHOOL

SYLLABUS FOR THE ACADEMIC YEAR 2018 – 2019

GRADE: 12- BOYS WING JUWAISA

SUBJECT: BIOLOGY

		THEORY		PRACTICALS		
Month	Unit No.	Title of Lesson	No. of Periods	Name of Experiment / Project Planned	No. of Periods	Remarks
APRIL	7	Principles of Inheritance and Variation	8	Power point and Video presentation – Mendelian and Chromosomal disorders	2	-
	7	Molecular basis of Inheritance	10			
MAY	9	Biotechnology – Principles and processes	9	Slide preparation – Pollen germination Extraction of DNA	2	-
	9	Biotechnology – Applications	7		2	
	8	Human health and diseases	7			
JUNE	6	Reproduction in organisms	5	Collection of Vegetative propagulas and different flowers	2	Periodic Test - 1
	8	Microbes in Human Welfare	8			
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Prepared by: Mrs. Ayesha Ashraf

(Name & Signature)

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September	8	Strategies for enhancement in food production	6	Water holding capacity of different soils Slide preparation – Pollen germination	2	-
	6	Sexual reproduction in flowering plants	8			
	6	Human reproduction	7			
October	6	Reproductive Health	5	Video presentation PPT-ART, STD and IVF Seminar – Alcohol and drug awareness	2	Half Yearly Examination
	7	Evolution	6	Slide Presentation - Mitosis	2	
November	10	Organisms and populations	6	Presentation – Global warming & deforestation	2	Periodic Assessment Test - II
	10	Ecosystem	8	Salivary amylase – Effect of pH Interspecific interactions - PPT	2	
December	10	Biodiversity and Conservation Revision	5	Conservation Strategies - Seminar	2	-

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January	-	Revision	-	-	-	Model Examination
February	-	Revision	-	-	-	Final Practical Exam
March	-	-	-	-	-	Board Examination

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