

**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND  
COMMERCE, SAINIKPURI, SECUNDERABAD.**

Autonomous College  
Affiliated to OSMANIA UNIVERSITY, Hyderabad.  
(Accredited with 'A' grade by NAAC)  
Department of Genetics, Biotechnology and Botany  
Subject: Genetics (Optional)  
(BSc. Life Sciences)  
Syllabus Draft 2015-2016.

Classes: I year, II year and III year.

YEAR	SEMESTER	PAPER	CLASSES PER WEEK		CLASSES PER SEMESTER		CREDITS
			THEORY	PRACTICALS	THEORY	PRACTICALS	
I	I	I:TRANSMISSION GENETICS	4	2	60	30	5
	II	II:GENETIC ANALYSIS	4	2	60	30	5
II	III	III:GENE STRUCTURE, ORGANISATION & EXPRESSION	4	2	60	30	5
	IV	IV:MOLECULAR GENETICS	4	2	60	30	5
III	V	V: POPULATION GENETICS	3	2	45	30	4
		VI: ADVANCED TECHNIQUES IN GENOME ANALYSIS AND GENETIC ENGINEERING	3	2	45	30	4
	VI	VII: INBREEDING, BREEDING TECHNIQUES AND GENOME EVOLUTION.	3	2	45	30	4
		VIII: HUMAN GENETICS AND BIOSTATISTICS.	3	2	45	30	4
<b>TOTAL</b>			<b>28</b>	<b>16</b>	<b>420</b>	<b>240</b>	<b>36</b>

**A. INTERNAL EXAMINATION:**

1. Theory: Max. Marks= 30. Duration: 1 hour
2. Practical: Continuous assessment. Max. Marks =15.

**B. EXTERNAL (SEMESTER- END) EXAMINATION:**

1. Theory: Max. Marks= 70. Duration: 3 hours.
2. Practical: Max. Marks =35. Duration: 3 hours.

Total: 150 marks per Paper (1200 marks for the entire 3 years).


