

Telangana State Council of Higher Education
B.A/B.Sc. Mathematics Course Structure
(Common Core Syllabus for All Universities of Telangana State for the Students Admitted from the Academic Year 2019-20 Batch onwards)

Paper	Semester	Subject	Hours/ per week	Hours/per week		Max. Marks	Credits
				Theory	*Tutorials		
DSC - I	I	Differential & Integral Calculus	6	5	1	100	5
DSC - II	II	Differential Equations	6	5	1	100	5
DSC - III	III	Real Analysis	6	5	1	100	5
DSC - IV	IV	Algebra	6	5	1	100	5
DSC - V	V	Linear Algebra	6	5	1	100	5
DSE - VI(A)	VI	(A) Numerical Analysis	6	5	1	100	5
DSE - VI(B)	VI	(B) Integral Transforms	6	5	1	100	5
DSE - VI(C)	VI	(C) Analytical Solid Geometry	6	5	1	100	5
SEC-I	III	Theory of Equations	2	2	-	50	2
SEC-II	III	Logic & Sets	2	2	-	50	2
SEC-III	IV	Number Theory	2	2	-	50	2
SEC-IV	IV	Vector Calculus	2	2	-	50	2
Generic Elective	V-A*	1. Basic Mathematics or 2. Mathematics of Finance & Insurance	4	4	-	100	4
Project/ Optional	VI*	Mathematical Modelling	4	4	-	100	4

*Tutorials: Problems solving session for each 20 student's one batch.

Ch Ramakrishna
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M.K.R. Government Degree College,
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**B.Sc. PHYSICS SYLLABUS UNDER CBCS SCHEME
SCHEME OF INSTRUCTION
(Revised and effective from academic year 2019-2020)**

Semester	Paper Theory and Practical]	Instructions Hrs/week	Marks	Credits
I	Paper – I : Mechanics & Oscillations	4	100	4
	Practicals – I : Mechanics & Oscillations	3	50	1
II	Paper – II: Thermal Physics	4	100	4
	Practicals – II : Thermal Physics	3	50	1
III	Paper – III : Electromagnetic Theory	4	100	4
	Practicals – III : Electromagnetic Theory	3	50	1
IV	Paper – IV : Waves & Optics	4	100	4
	Practicals – IV : Waves & Optics	3	50	1
V	Paper – V : A. Modern Physics B. Computational Physics	4	100	4
	Practicals – V: A. Modern Physics B. Computational Physics	3	50	1
VI	Paper – VI : A. Electronics B. Applied Optics	4	100	4
	Practicals VI: A. Electronics B. Applied Optics	3	50	1

Total credits: 30

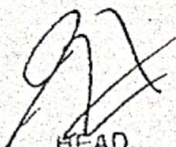
Skill Enhancement Courses

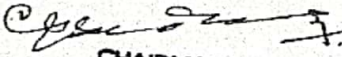
1. Experimental methods and Errors analysis
2. Electrical circuits and Networking
3. Basic Instrumentation
4. Biomedical Instrumentation
5. Digital Electronics

Generic Elective:

1. Renewable Energy & Energy Harvesting

Project work /Optional (Nano science)


HEAD
 Department of Physics
 University College of Science
 Osmania University, Hyd.


CHAIRMAN
 Board of Studies in Physics
 Osmania University, Hyd.


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With Effect from the Academic Year 2019-2020

Mahatma Gandhi University
Faculty of Science

B.Sc. (Computer Science)

CBCS Pattern With effect from the Academic Year 2019-2020

Code	Course Title	Course Type	HpW	Credits
Semester -I				
BS106	Programming in C	DSC-3A	4T + 3P = 7	4 + 1 = 5
Semester -II				
BS206	Programming in C++	DSC-3B	4T + 3P = 7	4 + 1 = 5
AECC				
BS107	Fundamentals of Computers	AECC	2T	2
Semester -III				
BS301	Python -1	SEC-1	2T	2
BS302	Operating System -1	SEC-2	2T	2
BS306	Data Structure using C++	DSC-3C	4T + 3P = 7	4 + 1 = 5
Semester -IV				
BS401	Python -2	SEC-3	2T	2
BS402	Operating System-2	SEC-4	2T	2
BS406	Data Base Management Systems (DBMS)	DSC-3D	4T + 3P = 7	4 + 1 = 5
Semester -V				
BS501	Information Technologies	GE	4T	4
BS502	Programming in Java	DSE-3E	4T + 3P = 7	4 + 1 = 5
Semester -VI				
BS605	Web Technologies	DSE-3F	4T + 3P = 7	4 + 1 = 5
Project/Optional				
BS606	PHP with MySQL	P/O	3T + 3P = 3	3 + 1 = 4
Total Number of Credits				48


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