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Dr. V.S. KRISHNA GOVT. DEGREE COLLEGE

(An Autonomous Institution Affiliated to Andhra University)

Reaccredited by NAAC with 'A' Grade(3rd Cycle)

District Resource Centre & Center for Research Studies
Maddilapalem, VISAKHAPATNAM 530 013, Andhra Pradesh



Department of Physics

Syllabus w.e.f. 2020 – 2021 CBCS System



**Dr. V. S. KRISHNA GOVT. DEGREE COLLEGE (A),
VISAKHAPATNAM**



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Dr.V.S.Krishna Government Degree college Road, Maddilapalem,

Visakhapatnam-530013, Andhra Pradesh

Web: www.drsvskrishnagdc.edu.in Email: visakhapatnam.idcollege@gmail.com

B.O.S. – B.Sc. PHYSICS Programme

REVISED SYLLABUS OF B.Sc. PHYSICS

(FOR MATHEMATICS COMBINATIONS)

UNDER CBCS FRAMEWORK WITH EFFECT FROM 2020-2021

PROGRAMME: THREE-YEAR B.Sc. Physics programme

(Physics for Mathematics Combinations)

(With Learning Outcomes, Unit-wise Syllabus, References, Co-curricular Activities & Model Q.P.)

For Fifteen Courses of 1, 2, 3, 4 & 5 Semesters)

(To be Implemented from 2020-21 Academic Year)

List of Examiners (2020 - 2021)

S. No.	Name of the Lecturer	Designation and College	Signature
1	Sri S.M. Rafiuddin	Lecturer in Physics, SGA Govt. Degree College, Yellamanchili	
2	Dr. S. Srinivasa Rao	Lecturer in Physics, Mrs. AVN College, Visakhapatnam	
3	Sri T. Niranjan Kumar	Lecturer in Physics, AMAL College, Anakapalli	
4	Sri K. Srimannarayana	Lecturer in Physics, Govt. Degree College (W), Marripalem	
5	Sri Ch. Rambabu	Lecturer in Physics, Govt. Degree College, V. Madugula	
6	Sri B. Nageswararao	Lecturer in Physics, SGA Govt. Degree College, Yellamanchili	
7	Sri K. Venkanna	Lecturer in Physics, Govt. Degree College (M), Srikakulam	
8	Dr. P.L. Saranya	Lecturer in Physics, Govt. College for Women (A), Srikakulam	
9	Dr. P. Latha	Lecturer in Physics, Govt. Degree College, Narsipatnam	
10	Sri M. Rajeswararao	Lecturer in Physics, SVLNS Govt. Degree College, Bheemunipatnam	
11	Sri K. Prabhudas	Lecturer in Physics, Govt. Degree College, Araku	
12	Dr. CVSS Sastry	Lecturer in Physics, Govt. Degree College, Chodavaram	
13	Sri B. Mohanarao	Lecturer in Physics, Govt. Degree College, Sabbavaram	
14	Dr. T. Swarna Latha	Lecturer in Physics, Govt. Degree College (M), Srikakulam	
15	Sri NVS Bhagvan	Lecturer in Physics, Govt. Degree College (M), Srikakulam	
16	Sri N. Seshadri Krishna	Lecturer in Physics, Govt. Degree College, Narsipatnam	

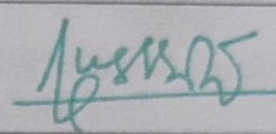
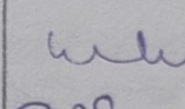
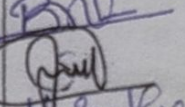
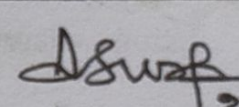
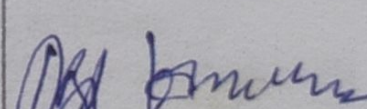
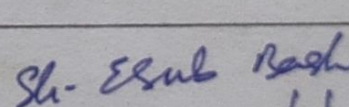
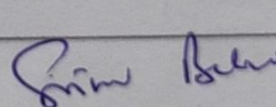
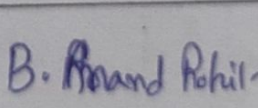
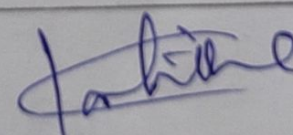
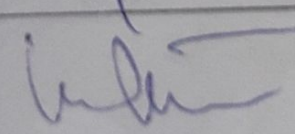
IIIrd syllabus + BOS included

Dr.V.S.Krishna Govt. Degree College (Autonomous), Visakhapatnam
 7th Board of Studies: September-2022
 Pre-Approval form

Subject: Physics

Department: Physics

In pursuance of conferment of Autonomous status to Dr.V.S.Krishna Govt. Degree College(A), Visakhapatnam by the UGC vide letter No.F22-1/2011(AC) dated 20.07.2011 from Dr. Manju Singh, Joint Secretary, UGC, New Delhi and Proceedings No. C-II (CDC) /Dr.VSK.Govt.College/BOS/2020 dt.03.08.2022 of The Vice-Chancellor, Andhra University, Visakhapatnam, the 6th Board of Studies in Mathematics Subject is conducted on 28.09.2022 at 10:00 AM with the following members. The Changes were implemented from 2020-21 academic year onwards. The syllabus also is ratified.

MEMBER	NAME& DESIGNATION	SIGNATURE
Head of the Department (Chairman)	Dr. CVSS. Sastry	
Faculty Members	Dr. CVSS. Sastry Dr. P. Latha Sri NVS Bhagavan Sri B. Nageswararao Dr. T. Swarna Latha Sri H. Sudheer	  H. Sudheer 28.09.2022
Subject Expert (University Nominee)	Prof. D.S.V.V.D. Prasad, Dept of Physics, Andhra University.	 28/9/2022
Subject Experts (from outside the parent university)	Dr. D.B. Radha Krishna, HoD in Physics, Govt. College for Women (A), Srikakulam, Dr.B.R. Ambedkar University, Srikakulam	 28/9/22
	Sri. Esub Basha Shaik, Lecturer in Physics, Govt. College (A), Rajamahendravaram, E.G. Dist., AKNU	 28/9/22
Representative Member From Industry / Corporate / Allied Area relating to placement	Sri. <u>SRI NU</u> BABU Visakhapatnam	
Member from Alumni	Sri Bandi Anand Rohit Visakhapatnam	
Coordinator, IQAC	Dr. Ch. Lalitha	
Academic Coordinator and member secretary, Academic Council	Dr. P. Latha	
Principal and Chairperson, Academic Council	Dr. I. Vijayababu	

RESOLUTIONS ADOPTED BY BOARD OF STUDIES IN BSC. PHYSICS(MAIN) PROGRAM

The Board of studies in Physics met on 28-09-2022 and resolved the following

1. To continue Autonomous Education system in CBCS pattern as suggested by APSCHE as per the Staff council proceedings and to implement the Physics syllabus for the ongoing students of II year B.Sc. Physics Degree students admitted in 2020-2021 in accordance with the directives of APCCE , AP , Mangalagiri.
2. To implement the guidelines of Academic council.
3. To approve the blue print and Model Question papers for First , Second , Third , Fourth , fifth and Sixth Semesters.
4. To approve the newly framed syllabus in BSC. Physics (Mains) program with effect from the 2020-2021 for the ongoing Batch.
5. To approve the Syllabus , Blueprint , Model Question Papers , Work load and Credits for Skill developed Courses in Physics namely Solar Physics and Electrical Appliances.
6. To approve weekly workload and credits as proposed in the approved syllabus.
7. To approve the Evaluation scheme i.e. External Evaluation for 75 marks and Internal Evaluation for 25 Marks. Out of 25 marks for Internal Evaluation, 20 marks are assessed on the basis of two Internal examinations and 5 marks are assessed by conduct of assignments / Project / Seminar /...
8. To approve conduct of seminars , workshops , symposia , field visits , quiz competitions etc.
9. To improve the quality of Curriculum as per the NAAC norms.
10. To encourage the students to participate in community centric activities.
11. To encourage the students to get trained in JKC / Life skills / Communication skills etc.

1) D. Suresh
28/9/2022

2) A. B. B. B. B. B.
28/9/2022

3) S. S. S. S. S.
28/9/22

4) H. S. S. S. S.
28.9.2022

5) S. S. S. S. S.
28/9/22

6) S. S. S. S. S.
28.09.2022

7) S. S. S. S. S.
28/9/22

8) S. S. S. S. S.
28.09.2022