OF CBCS

ANDHRA UNIVERSITY

Telegrams: UNIVERSITY Telephone: 284 4000 Fax: 0891-755324



No. Ll(3)/B.Com(Computer Applications)/2016

All Official letters, packages etc, should be addressed to the Registrar by designation and not by name.

Visakhapatnam Dt: 03-08-2016.

PROCEEDINGS OF THE VICE CHANCELLOR

Sub:

Reintroduction of 3 Year B.Com Computer Applications Course from the academic year 2016-17 - Orders - Issued.

Read:

- Letter dated.28-07-2016 (E.mail) received from the Secretary, A.P. State Council of Higher Education, Hyderabad.
- Orders of the Vice-Chancellor, dated.02-08-2016.

ORDER:

The Hon'ble Vice-Chancellor having considered the letter read (1) above has ordered that the 3 Year B.Com Computer Applications Course along with the syllabus forwarded by the A.P. State Council of Higher Education, Hyderabad be reintroduced in Andhra University from the admitted batch of 2016-17.

Further, the Principals of Affiliated Colleges be followed the syllabus of 3 Year B.Com Computer Applications Course displayed in Andhra University Website from the academic year/admitted batch of 2016-17.

(BY ORDER)

(M.HEMA NAIK)
Deputy Registrar(Academic)

To

- The Dean, College Development Council, A.U., Vsp.
- 2. The Deans of Examinations (UG), A.U., VSP.
- 3. The Controller of Examinations, A.U., VSP.
- 4. All the Principals of A.U. Affiliated Colleges.

Copies to:

1. The Dean of Academic Affairs., A.U., Vsp.

2. The Superintendent(s) of E-II, C-II & S-I Sections, A.U., Vsp.,

3. The Secretary to Vice-Chancellor, Steno to Rector & P.A. to Registral

4. The Web Master, A.U., Web Site Office.

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ANDHRA UNIVERSITY, VISAKHAPATNAM III B.Sc. Degree Examinations

Semester – VI (C.B.C.S. Pattern) (With effect from 2015-16 admitted Batch)

The guidelines for implementation and evaluation of Science projects of the cluster in Semester – VI of 3rd B.Sc. Examinations prepared by University under C.B.C.S. pattern with effect from the admitted batch of 2015-16.

Members Present

Capt. Dr. N. Ramakrishna, Member, B.O.S. Department of Mathematics, Mrs. A.V.N. College, Visakhapatnam.

Dr. S. Srinivasa Rao, Member, B.O.S., Department of Physics, Mrs. A.V.N. College, Visakhapatnam.

GUIDELINES FOR PROJECT OF THE CLUSTER IN SEMESTER - VI

Objective:

The project work is an integral part of the academic curriculum of B.Sc. The objective of conducting project work at the end of semester – VI of the course is

- (i.) To provide an opportunity for students to apply theoretical concepts in real life situations at the work place.
- (ii.) To enable students to manage resources, work under deadlines, identify and carryout specific goal oriented tasks, to get innovative ideals, to sharpen domain knowledge and provide cross functional skills.

Guidelines:

The students who wants to do the project should follow the below mentioned points.

- 1. To select the topic with clear Aim & Objectives
- 2. To collect the previous information regarding the topic
- To get the clear idea after getting the reference material.

GREE COLLEGE C

- Before going to discuss the topic, every student has to do at least three seminars on chosen topic.
- 5. Finally to come with results and conclusions.
- Bibliography (Reference Journals / Books) should be mentioned.

Modalities:

The following modalities to do the project work:

- The duration of the project work is equal to that period of respective semester as per the U.G. academic calendar circulated by Andhra University from time to time.
- The Project guide should finalize the topics of their students to carry out the proposed project
 work and to identify the model / organization selected for study within 15 days of the
 commencement of the class work of that semester VI. No two students can choose the
 same topic / project.
- The students should submit their project Report before 15 days of the commencement of semester end theory examinations.
- The project work shall be submitted as one book with minimum 50 pages and typing should be done on one side of the paper.
- The topic chosen from semester I to Semester VI or application of the subject in real life situations / different disciplines.

Project Guide:

Project guide is a full time faculty member of the respective college. The maximum of 15 students can work under an internal guide. The students are expected to be in continuous interaction with the guide during the course of the project work.

Evaluation pattern for the Project work:

The project report has 150 marks consisting of 100 marks (25 marks internal + 75 marks external) for project report and the remaining 50 marks for viva-voce examination. The minimum pass marks for project is 75 out of 150 marks on an aggregate.

Seminars (Internal)	Report of the project – 75 marks	Viva-voce of the project
25 marks	(External – 50 + Internal – 25)	(External - 25 marks)
1st Seminar – 5 marks 2st Seminar – 10 marks 3st Seminar – 10 marks	Introduction (Selection of the topic, aim and objectives). Review of information	Presentation – 15 marks Viva – 10 marks



- 3. Methodology
- 4. Analysis and Discussion
- Suggestions and Conclusion
- 6. References

The Viva-voce examination will be conducted at the respective institutions as per the guidelines of Andhra University where a student is expected to give a presentation of his / her project work. The viva-voce examination will be conducted by the committee comprising of Head of the Department, Project guide and an External examiner nominated by the Andhra University.

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ANDHRA UNIVERSITY, VISAKHAPATNAM III B.Sc. Degree Examinations

Semester – VI (C.B.C.S. Pattern) (With effect from 2015-16 admitted Batch)

Resolutions passed in the Board of studies meeting held on 18-11-2017 held at Mrs. A. V. N. College, Visakhapatnam.

Members Present

Sri P. H. Jagannath, Chairman, B.O.S. in Mathematics, Mrs. A. V. N. College, Visakhapatnam

Capt. Dr. N. Rama Krishna, Mrs. A. V. N. College, Visakhapatnam

Sri R. V. Ramana, S. S. S. S. Degree College, Vizianagaram

Sri K. V. Ram Prasad, Satya Degree College, Vizianagaram Dr. Ch. Srinivasa Rao, Member, B.O.S. in Mathematics, Associate Professor, Department of Mathematics, Mrs. A. V. N. College, Visakhapatnam

Sri Ch. Chandra Sekhar Naidu, Rajah R. S. R. K. R. R. College, Bobbili

Sri C. Nageswara Rao, Rajah R. S. R. K. R. R. College, Bobbili

- Student has to choose any ONE of the following Electives:
 - Laplace Transforms
 - b. Numerical Analysis
 - c. Number Theory
- Student has to choose any ONE of the groups from the following Cluster Electives:

Group - I

- Integral Transforms
- b. Advanced Numerical Analysis
- c. Project work

Group - II

- a. Principles of Mechanics
- b. Pluid Mechanics
- c. Project work

Group - III

- a. Graph Theory
- b. Applied Graph Theory
- c. Project work



3. Clarification regarding Project work:

- Every student has to submit project work for 100 marks by choosing any one of the copies from Sem I or Sem II or Sem III or Sem IV or Applications of Mathematical Sciences.
- A Viva-voce examination will be conducted at the respective institution as per the second guidelines of Andhra University where a student is expected to give presentation on his the project work. The Viva-voce examination will be conducted by the committee consisting of H.O.D., Project guide and an external examiner nominated by Andhea and an external examiner nominated by Andhea and an external examiner nominated by Andhea.
- Project Guide is a full time faculty member of that college. Maximum of therety/fishers reserved to students can work under an internal cuide. The chalants are emported to be in excellent and continuous interaction with the guide during the course of the project work. Notice and a server of the students of an institute shall work on the same problem in the same organization of every material.

Clarification about failed paper.

If a student falls either in Paper - V c. Paper - VI in Semester - V then he has to appear for a separation in that particular paper but not both.

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STRUCTURE OF THE CBCS PROGRAM

CREDIT BASED GRADING SYSTEM

INTRODUCED FROM 2009-2010

Definition of Credit:

Credit is the term used to denote a unit of learning, usually measured in hours of study or achievement of threshold standard or both.

A credit is the value assigned to a course, usually one credit equals one hour class period per week.

Award of Grades:

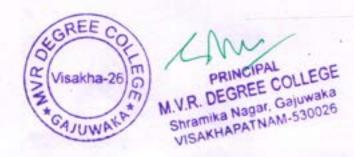
S.No.	Range of Marks	Grade	Grade Points
1.	> 85%	0	10.0
2.	75%-84%	A	9.0
3.	66%-74%	В	8.0
4.	57%-65%	C	7.0
5.	47%-56%	D	6.0
6.	35%-46%	E	5.0
7.	≤ 34%	F (Fail)	0.0
8.	Incomplete (Subsequently changed into pass or E to O or F grade on subsequent appearance of the examination)	I	0.0

Grade Point Average:

A Grade Point Average (GPA) for a year is calculated as:

Where C= Number of credits for the subject paper

G= Grade points obtained by the candidate in that sut



2.	Second Language	4	4	100
3.	Foundation course-I	3	4 (3+1)	70+30
	Computer Skills or Computer Course	2	2	100
5.	Core i -I	6	6	100
5.	Core 2 -I	6	6	100
7.	Core 3 -I	6	6	100
	Total:	33	34	700

II YEAR: B.A.

S.No.	Subject	Teaching Hours/wee k	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Environmental Studies	4	4 (3+1)	75+25
4.	Computer Skills or Computer Course	2	2	100
5.	Core 1 -II	6	6	100
6.	Core 2 -II	6	6	100
7.	Core 3 -II	6	6	100
	Total:	34	34	700



III YEAR: B.A.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Core 1 -III	5	6] 12	100 7 200
2.	Core 1 -IV	5	6	100
3.	Core 2 -III	5	6] 12	100 7, 200
4.	Core 2 -IV	5	6	100
5.	Core 3 -III	5	6] 12	100] 200
6.	Core 3 -IV	5	6	100
7.	Foundation course-II	3	4 3+1	70+30
	Total:	33	40	700

I YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Foundation course-I	3	4 3+1	70+30
4.	Computer Course	2	2	100
5.	Financial Accounting	6	6 5+1	70+30
6.	Business Economics	4	4	100
7.	Business Organization & Management	5	5 4+1	70+30

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8.	Fundamentals of Information Technology (Common for General & Vocational) New Syllabus	55	5 4+1	70+30
_	Total:	35	36	800

II YEAR B.Com.

S.No.	Subject	Teaching Hours/w eek	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Environmental Studies	4	4 3+1	75+25
4.	Computer Course	2	2	100
5.	Financial accounting-II/Advanced Accounting	6	6 5+1	70+30
6.	Business Statistics	5	5 4+1	70+30
7.	Financial Services/Banking & Insurance	5	5 4+1	70+30
8.	Taxation	4	4 3+1	70+30
	Total:	36	36	800

III YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Corporate Accounting	5	5 4+1	70+30
2.	Cost & Management	5	5	100

Visakha-26 M.V.R. DEGREE COLLEGE
Shramika Nagar. Gajuwaka
VISAKHAPATNAM-530026

	Accounting			
3.	Business Laws	5	5	100
4.	Auditing	5	5 4+1	70+30
5.	Elective Papers-I	5	6	100
6.	Elective Papers-II	5	6	100
7.	Foundation course-II	3	4 3+1	100 70+30
_	Total:	33	36	700
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I YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	6 3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Foundation course-I	3	4 3+1	70+30
4.	Computer Skills	2	2	100
5.	Financial Accounting	6	6 5+1	70+30
6.	Business Economics	4	4	100
7.	Business Organization & Management	5	5 4+1	70+30
8.	Fundamentals of Information Technology (Common for General & Vocational) New Syllabus	5	5 4+1	70+30



9.	Information systems through COBOL (Old Syllabus)	5	5 4+1	70+30
	Total:	40	41	900

II YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language +	6	4+2	50+50
	Communication Skills	3+3		
2.	Second Language	4	4	100
3.	Environmental Studies Part-II	4	4 3+1	75+25
4.	Computer Skills	2	2	100
5.	Financial accounting-II/Advanced Accounting	6	6 5+1	70+30
6.	Business Statistics	5	5 4+1	70+30
7.	Financial Services/Banking & Insurance	5	5 4+1	70+30
8.	Taxation	4	4 3+1	70+30
9.	FoxPro and Computer Accountancy through Tally (Old Syllabus)	4	4 3+1	70+30
10.	Structured Programming *C* (Old Syllabus)	4	4 3+1	70+30
	Total:	44	44	1000

III YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Corporate Accounting	5	5 4+1	70+30
2.	Cost & Management Accounting	5	5	100
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3.	Business Laws	5	5	100
4.	Auditing	5	5 4+1	70+30
	Vocational Papers: (Old Syllabus)			
5.	Accounting Software Application	5	5 4+1	70+30
6.	Computer Applications in Banking	5	5 4+1	70+30
7.	Project Viva-Voce	3	2	100
8.	Foundation Course Part -I	3	4 3+1	70+30
	Total:	36	36	800

TAX PROCEDURE & PRACTICE (VOCATIONAL)

I YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	6	4+2	50+50
2.	Second Language	4	4	100
3.	Foundation course-I	3	4 3+1	70+30
4.	Computer Course	2	2	100
5.	Financial Accounting	6	6 5+1	70+30
6.	Business Economics	4	4	100
7.	Business Organization & Management	5	5 4+1	70+30
8.	Fundamentals of Information Technology (Common for General & Vocational) New Syllabus	5	5 4+1	70+30
9.	Indian Tax System & Income Tax Law	5	5 4+1	70+30
	Total:	40	41	900

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II YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language +	6	4+2	50+50
	Communication Skills	3+3		
2.	Second Language	4	4	100
3.	Environmental Studies Part-II	4	4 3+1	75+25
4.	Computer Skills	2	2	100
5.	Financial accounting-II/Advanced Accounting	6	6 5+1	70+30
6.	Business Statistics	5	5 4+1	70+30
7.	Financial Services/Banking & Insurance	5	5 4+1	70+30
8.	Taxation	4	4 3+1	70+30
9.	Cenral & State Tax Procedures and Practices	4	4 3+1	70+30
10.	Income Tax procedure and practice	4	4 3+1	70+30
107	Total:	44	44	1000

III YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Corporate Accounting	5	5 4+1	70+30
2,	Cost & Management Accounting	5	5	100
3.	Business Laws	5	5	100
4.	Auditing	5	5 4+1	70+30
5.	Vocational Papers: (Old Syllabus)			
6.	Central Exercise procedure &	5	5 4+1	70+30

	Practice			
7.	Customs Procedure & Practice	5	5 4+1	70+30
8.	Project Viva-Voce	3	2	100
9.	Foundation Course Part -I	3	4 3+1	70+30
10.	Total:	36	36	800

OFFICE MANAGEMENT & SECRETARIAL PRACTICE (VOCATIONAL)

I YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	6 3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Foundation course-I	3	4 3+1	70+30
4.	Computer Course	2	2	100
5.	Financial Accounting	6 ,	6 5+1	70+30
6.	Business Economics	4	4	100
7.	Business Organization & Management	5	5 4+1	70+30
8.	Fundamentals of Information Technology (Common for General & Vocational) New Syllabus	5	5 4+1	70+30
9.	Office Organization Management	5	5 4+1	70+30
	Total:	40	41	900



II YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	6 3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Environmental Studies Part-II	4	4 3+1	75+25
4.	Computer Skills	2	2	100
5.	Financial accounting-II/Advanced Accounting	6	6 5+1	70+30
6.	Business Statistics	5	5 4+1	70+30
7.	Financial Services/Banking & Insurance	5	5 4+1	70+30
8.	Taxation	4	4 3+1	70+30
9.	Business Communication & Commercial Correspondent	4	4 3+1	70+30
10.	Secretarial Practice	4	4 3+1	70+30
	Total:	44	44	1000

III YEAR: B.Com.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Corporate Accounting	5	5 4+1	70+30
2.	Cost & Management Accounting	5	5	100
3.	Business Laws	5	5	100
4.	Auditing	5	5 4+1	70+30
	Vocational Papers: (Old Syllabus)			

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5.	Type Writing (Higher) Computer Programming	5	5 4+1	70+30
6.	Shorthand (Lower)	5	5	100
7.	Project Viva-Voce	3	2	100
8.	Foundation Course Part -I	3	4 3+1	70+30
9.	Total:	36	36	800

I YEAR: B.Sc.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Foundation course-I	3	4 3+1	70+30
4.	Computer Skills or Computer Course	2	2	100
5.	Core 1-I	4	4	100
6.	Core 2-I	4	4	100
7.	Core 3-I	4	4	100
8.	Core 1- Lab I	3	2	50
9.	Core 2-I Lab I	3	2	50
10.	Core 3-I Lab I	3	2	50
	Total:	36	34	850

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II YEAR: B.Sc.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Environmental Studies	4	4 3+1	75+25
4.	Computer Skills or Computer Course	2	2	100
5.	Core 1-I	4	4	100
6.	Core 2-I	4	4	100
7.	Core 3-I	4	4	100
8.	Core 1- Lab I	3	2	50
9.	Core 2- Lab I	3	2	50
10.	Core 3- Lab I	3	2	50
	Total:	37	34	850

III YEAR: B.Sc.

5.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Core 1 -III	3	4]	100] 200
2.	Core 1 -IV	3	4 8	100
3.	Core 2 -III	3	4	100] 200
4.	Core 2 -IV	3	4 8	100
5.	Core 3 -III	3	4	100] 200
6.	Core 3 -IV	3	4 8	100
7.	Core 1 - Lab III	3	2 4	50 7 100
8.	Core 1 - Lab IV	3	2	50

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M.V.R. DEGREE COLLEGE

Shramika Nagar, Gajuwaka

VISAKHAPATNAM-530026

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9.	Core 2 - Lab III Core 2 - Lab IV	3	2 4	50 } 100
0.000	- Constant Constant Constant	3	2 }	50
11.	Core 3 - Lab III	3	2 J 4	50 } 100
12.	Core 3 - Lab IV	3	2	50
13.	Foundation Course	3	4 3+1	70+30
	Total:	39	40	1000

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I YEAR: B.Sc

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Foundation course-I	3	4 3+1	70+30
4.	Computer Skills or Computer Course	2	2	100
5.	Core 1-I	4	4	100
6.	Core 2-I	4	4	100
7.	Vocational paper-I (Theory)	3	4	100
8.	Vocational paper-II(Theory)	3	4	100
9.	Core 1- Lab I	3	2	50
10.	Core 2 - Lab I	3	2	50
11.	Vocational paper-I Lab	3	2	50
12.	Vocational paper-II Lab	3	2	50
	Total:	41	40	1000



II YEAR: B.Sc.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Language + Communication Skills	3+3	4+2	50+50
2.	Second Language	4	4	100
3.	Environmental Studies	4	4 (3+1)	75+25
4.	Computer Skills or Computer Course	2	2	100
5.	Core 1-I	4	4	100
6.	Core 2-1	4	4	100
7.	Vocational paper-III (Theory)	3	4	100
8.	Vocational paper-IV (Theory)	3	4	100
9.	Core 1- Lab III - Lab	3	2	50
10.	Core 2- Lab IV - Lab	3	2	50
11.	Vocational paper-III Lab	3	2	50
12.	Vocational paper-IV Lab	3	2	50
1000	Total:	42	40	1000

III YEAR: B.Sc.

5.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Core 1 -III	3	4 7	100]
2.	Core 1 -IV	3	4 /8	100
3.	Core 2 -III	3	4	100]
4.	Core 2 -IV	3	4 }8	100
5.	Vocational Papers-V (Theory)	3	4	100
6.	Vocational Papers-VI (Theory)	3	4	100
7.	Core 1 - Lab III	3	2	50)



8.	Core 1 - Lab IV	3	2 4	100
	D			50
9.	Core 2 - Lab III	3	2]	50 7
10.	Core 2 – Lab IV	3	2 5 4	50
11.	Vocational Papers-V Lab	3	2	50
12.	Vocational Papers-VI Lab	3	2	50
13.	Foundation Course	3	4 3+1	70+30
14.	Project Work (Viva-Voce)	6	2	100
	Total:	45	42	1100

I YEAR: B.B.M.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Paper-I English (I Year degree course)	4	4+2	50+50
2.	Computer Course	2	2	100
3.	Foundation Course	3	4 3+1	70+30
4.	Paper 1 – Principles of Management	4	4	100
5.	Paper-2 Business Maths & Statistics (WNP)	6	6	100
6.	Paper-3 – Business Economics	4	4	100
7.	Paper-4- Business Communication	4	4	100
8.	Paper-5 Financial Accounting (WNP)	6	6	100
9.	Paper-6 Banking Theory and Practice	4	4	100
	Total:	37	40	900

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II YEAR: B.B.M.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Part-I Second Language 102H: Hindi:1025: Sanskrit:102T: Telugu (I year degree course)	4	4	100
2.	Computer Course	2	2	100
3.	Environmental Studies	4	4 3+1	75+25
4.	Paper-I Self Awareness & Personality Development	4	4	100
5.	Paper-2 Marketing Management (WCS)	4	4	100
6.	Paper-3 – Financial Management (WCS)	4	4	100
7.	Paper-4- Human Resource Management	4	4	100
8.	Paper-5 -Cost & Management Accounting (WNP)	6	6	100
9.	Paper-6 Computer Technology & Programming (WP)	6	6	100
	Total:	38	38	900

III YEAR: B.B.M.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Foundation Course	3	4 3+1	70_30
2.	Paper 1: Business Environment	6	6	100
3.	Paper 2- Business Law & Taxation	6	6	100
4.	Paper-3: Entrepreneurship & Small Industry (WCS)	4	4	100
5.	Paper4 Computer Applications & MIS (WP)	6	6	100

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6. Elect	ives i. Paper	4	6	100
	ii. Paper	4	4	100
	iii. Project Report		2	100
	iv. Viva-Voce		2	100
+	Total:	33	40	900

I YEAR: B.C.A.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English Communication Skills	6	4+2	50+50
2.	Computer Skills	2	2	100
3.	Foundation Course	3	4 3+1	70+30
4.	Mathematics-1	6	6 5+1	75+25
5.	Programming Methodology Using C	3	4 3+1	75+25
6.	Organizational Structure and Management	3	4 3+1	75+25
7.	Fundamentals of Information Technology	6	6 5+1	75+25
8.	C Programming Lab	4	4 2+2	50+50
9.	Office Automation Lab	4	4 2+2	50+50
	Total:	37	40	900

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II YEAR: B.C.A.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Computer Skills	2	2	100
2.	Objective Oriented Programming (C++)	3	4 3+1	75+25
3.	Discrete Mathematical Structures (Mathematics-II)	3	4 3+1	75+25
4.	Data Structures	3	4 3+1	75+25
5.	Functional Management	3	4 3+1	75+25
6.	Systems Analysis and Design	3	4 3+1	75+25
7.	Data Structures Laboratory	4	4 2+2	50+50
8.	COPS Laboratory	4	4 2+2	50+50
	Total:	25	30	800

III YEAR: B.C.A.

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Foundation Course	3	4 3+1	70+30
2.	RDBMS	5	5 4+1	75+25
3.	Internet HTML & Java Programming	5	5 4+1	75+25
4.	Operating System	5	5 4+1	75+25
5.	Data Communication	5	5 4+1	75+25
6.	Software Engineering	5	5 4+1	75+25

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7.	RDBMS Laboratory	4	4 3+1	75+25
8.	Java Laboratory	4	4 2+2	50+50
9.	Project Work	4	4 2+2	50+50
	Total:	40	41	900

B.Sc. Home Science

I YEAR:

5.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	English & Communication Skills	3+3	6 4+2	50+50
2.	Second Language	4	4	100
3.	Human Physiology & General Psychology	4+3	6 4+2	100+50
4.	Food Science & Nutrition	4+3	6 4+2	100+50
5.	Housing and Interior Decoration	4+3	6 4+2	100+50
6.	Foundation Course	3	4 3+1	70+30
7.	Computer Course	2	2	100
	Total:	36	34	850



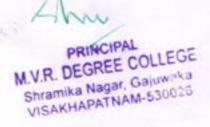
II YEAR

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1,	English & Communication Skills	3+3	6 4+2	50+50
2.	Second Language	4	4	100
3.	Microbiology	4+3	6 4+2	100+50
4.	Biochemistry	4+3	6 4+2	100+50
5.	Textile Science	4+3	6 4+2	100+50
6.	Environmental Studies	4	4 3+1	75+25
7.	Computer Course Computer Course	2	2	100
	Total:	37	34	850

III YEAR:

S.No.	Subject	Teaching Hours/week	Annual pattern Credits	Marks
1.	Human Development	3+3	5 4+1	100+25*
2.	Marriage & Family Studies	3	2	100
3.	Normal & Therapeutic Nutrition	3+3	6 4+2	100+25*+50
4.	Family Resource Management	3+3	6 4+2	100+50*+50
5.	Textiles & Fashion Designing	3+3	6 4+2	100+25*+50
6.	Extension Education	3+3	5 4+1	100+25*
7.	Foundation Course	3	4 3+1	70+30
	Total:	36	34	1000





A.P. State Council of Higher Education Revised Common Framework of CBCS for B.Com (w.c.£2015-16) in AP

SL No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam*	Sem. End Exam	Teaching Hours**	Credit
L.	First Language	English	100	25	75	4 .	3
2.	Second Language	(Tel/Hindi/Urdu/Sans)	100	25	75	4	3
3.	Foundation Course -1	HVPE (Human Values & Professional Ethics)*	50		50	2	2
4.	Foundation Course- 2	Environmental Studies	50		50	2	2
5.	DSC I A	Fundamentals of Accounting-I	100	25	75	4	4
6.	DSC 2A	Business Organization	100	25	75	5	4
7.	DSC 3 A	Business Economics-I	100	25	75	5	4
Total			600	125	475	27	22

#The marks split between formal test and co-curricular activities may be decided by the University concerned (it Syllabus size shall be in accordance with the No. of teaching hours. *HVPE may be taught by Telagra teachers

SL No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours**	Credits
I.	First Language	English	100	25	75	4	3
2.	Second Language	(Tel/Hindi/Urdu/Sans)	100	25	75	4	3
3,	Foundation Course -3	ICT-1 (Information & communication Technology)	50	-	50	2	2
4.	Foundation Course-4	Communication & Soft Skills-1	50		50	2	2
5.	DSC 1 B	Fundamentals of Accounting-II	100	25	75	5	4
6.	DSC 2 B	Business Environment	100	25	75	5	4
7.	DSC 3 B	Business Economics-II	100	25	75	5	4
Total			600	125	475	27	22

SL No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours**	Credits
L	First Language	English	100	25	75	4	3
2	Second Language	(Tel/Hindi/Urdu/Sans)	100	25	75	4	3
3.	Foundation Course- 5	ICT-2 (Information & communication Technology)	50	-	50	2	2
4.	Foundation Course- 6	Communication & Soft Skills-2	50	***	50	2	2
5.	DSC 1 C	Corporate Accounting	100	25	75	5	4
6.	DSC 2 C	Business Statistics	100	25	75	5	4
7,	DSC 3 C	Banking Theory & Practice	100	25	75	5	4

Total					
I near	600	125	475	27	22

SL No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours**	Credite
L.	Foundation Course- 7	Communication & Soft Skills-3	50		50	2	2
2	Foundation Course- 8	Analytical Skills*	50		50	2	2
3.	Foundation Course- 9	Entrepreneurship	50		50	2	2
4.	Foundation Course- 10	Leadership Education**	50		50	2	2
5.	DSC I D	Accounting for Service organizations	100	25	75	5	4
6.	DSC 2 D	Business Laws	100	25	75	5	4
7.	DSC 3 D	Income Tax	100	25	75	4	4
Total			500	75	425	23	20

^{*} To be taught by Maths/Statistics Teachers (and partly by English teachers)
** To be taught by Telugu Teachers

Table-5: B.Com -Semester -- V

SL No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours**	Credite
1	DSC 1 E	5.2 Cost Accounting	100	25	75	5	4
2.	DSC 2 E	5.3 Goods and Services Tax Fundamentals	100	25	75	5	4
3.	DSC 3 E	5.4 Commercial Geography	100	25	75	5	4
4.	Elective-DSC 1F/Inter-disp.	Cluster Electives - I L. E-Commerce 5.5 e-Commerce 5.6 Business Networks 5.7 Project Work: Working with Organizations on e-Commerce activities, viz., Amazon com., Flipkart, etc. /Online Operations in Banks 2. Retailing 5.5 Purchase Management 5.6 Stores Management 5.7 Project Work: Survey on Rural Producers/Retailing Practices (Kirana) 3. Corporate Accounting 5.5 Accounting & Auditing Standards 5.6 Accounting & Commerce Standards 5.7 Accounting & Commerce Standards	100	25	75	5	4
5.	Elective-DSC 2F /Imer-disp.	5.6 Accounting for Government Entities 5.7 Project Work: Application of Accounting	100	25	75	5	4
6.	Elective-DSC 3F/Inter-disp.	& Auditing Standards in Companies /Internship in Govt, Depts. (Treasury, Local Bodies, Public Utilities, Govt, Corporations,	100	25	75	5	4

4. Security Market Operations 5.5 Financial Markets 5.6 Stock Market Operations 5.7 Project Work: Survey on Investment behavious/Working with on Suck issues, Share transfers, Documentation, Commodity trading, Derivatives, etc. 5. Banking & Financial Services 5.5 Central Banking 5.6 Rural and Farm Credit 5.7 Project Work: Rural Credit survey/Banking operations/Credit Appraisal 6. Taxation 5.5 Assessment of Tax: Individual, HUF and Partnership 5.6 Corporate Taxation 5.7 Project Work: Working on Tax Filing Procedures & Documentation with IT Dept/Auditor/Tax Consultant 7. Insurance 5.6 Non-Life Insurance 5.6 Non-Life Insurance 5.7 Project Work: Working with Insurance Companies/Development Officers/Agents on Policies & Documentation. 8. Logistics Management - Surface 5.6 Logistics Management - Surface 5.7 Project Work: Intenship in Transport Organizations/ Railways/Ports/Tour Operators (on Goods, Parcel and Courier Services) 8. Advertising and Sales Promotion 5.5 Advertising and Media Planning 5.6 Brand Management 5.7 Project Work: Working with Advertising Agencies' Survey in Business units 10. Computer Applications 5.5 Database Management & Report Generator 5.6 Management Information system 5.7 Project Work: Working with MS Systems in different types of business units different types of business units		eic.)		-	
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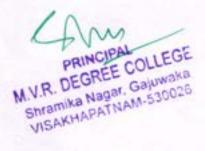


PRINCIPAL M.V.R. DEGREE COLLEGE M.V.R. DEGREE COLLEGE Shramika Nagar, Gajuwaka Shramika Nagar, Gajuwaka VISAKHAPATNAM-530026 VISAKHAPATNAM-530026

Table-6: B.Com- Semester - VI

SL No.	Course	Name of the subject	Total Marks	Mid. Sem. Exam	Sem. End Exam	Teaching Hours**	Credit
1.	DSC 1 G	6.2 Marketing	100	25	75	5	4
2.	DSC 2 G	6.3 Auditing	100	25	75	5	4
3.	DSC 3 G	6.4 Management Accounting	100	25	75	5	4
4.	Elective-DSC 1 H/Inter- disp/Gen. Elec.	Cluster Electives -2 1A. e-Commerce 6.5 e-Payments System 6.6 Social Media and e-Marketing	100	25	75	5	4
5.	Elective-DSC 2H Inter- disp/Gen. Elec.	6.7 Project Work: Working with Organizations on Tele-marketing /e- Shopping Activities	100	25	75	5	4
6.	Elective-DSC 34VInter- disp./Gen. Elec.	2.4. Retailing 6.5 Agricultural & Rural Marketing 6.6 Warchouse Management 6.7 Project Work: Survey on Hawkers/ Working with Warchouses 3.4. Corporate Accounting 6.5 Financial Reporting 6.6 Emerging Areas in Accounting 6.7 Project Work: Financial Reporting practices in Companies/ Survey on Human Resource/ Environmental Accounting. 4.4. Security Market Operations 6.5 Derivatives Trading 6.6 Stock Market Regulatory Framework 6.7 Project Work: Internship in Stock Exchanges/ Mutual Funds / Working with Stock Brokers 5.4. Banking & Financial Services 6.5 Financial Services 6.6 Marketing of Financial Services 6.7 Project Work: Working with Financial Services Firms on Documentation for Sanction of Loans and financial Services 6.7 Project Work: Internship on Tax Planning Practices in Business Units 7.4. Insurance 6.5 Marketing of Insurance Services 6.6 Insurance Regulatory Framework 6.7 Project Work: Survey on Settlement of Claims and Customer Care	100	25	75	5	4





Grand Total	1000	164	134
Total	600	30	24
Management 6.5 Supply Chain Management - Products 6.6 Supply Chain Management - Services 6.7 Project Work: Internship with Freight Operators' Supply Chain Management Practices in Business Units 9.4. Advertising and Sales Promotion 6.5 Sales Promotion 6.6 Direct Marketing 6.7 Project Work: Survey with Customers Sales Force/Middlemen 10.4. Computer Applications 6.5 e-Commerce Applications 6.6 Enterprise Resource Planning 6.7 Project Work: Working on the applications of ERP packages in Compunies / Internship Projects in e-Commerce Compunies on the Design and Creation of websites.			

Note:

- 1. Titles of a few Electives Streams are given for DSC- F (1F, 2F & 3F combined) at V Semester and the same titles are repeated for DSC- H (1H, 2H & 3H combined). Each Elective Stream consists of two theory papers and one project work for each semester. The total for V & VI semesters will be four theory papers and two project works under each stream. A student has to select One Stream of Elective consisting of four theory papers and two projects (together for V & VI semesters). That means, the student will continue the same elective in the VI semester also.
- The colleges have to implement original project work which may consist of field survey/internship/case study/practical training also for the third respective elective papers in V & VI semester.



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Andhra Pradesh State Council of Higher Education CBCS B.A./B.Sc. Mathematics Course Structure w.e.f. 2015-16 (Revised in April, 2016)

Year	Seme- ster	Paper	Subject	Hrs	Credits	IA	EA	Total
ı	1	1	Differential Equations & Differential Equations Problem Solving Sessions		5	25	75	100
	11	п	Solid Geometry & Solid Geometry Problem Solving Sessions	6	5	25	75	100
2	m	ш	Abstract Algebra & Abstract Algebra Problem Solving Sessions	6	5	25	75	100
	IV	IV	Real Analysis & Real Analysis Problem Solving Sessions	6	5	25	75	100
3	v	v	Ring Theory & Vector Calculus & Ring Theory & Vector Calculus Problem Solving Sessions	5	5	25	75	100
		vi	Linear Algebra & Linear Algebra Problem Solving Sessions	5	5	25	75	100
	VI	VII	Electives: (any one) VII-(A) Laplace Transforms VII-(B) Numerical Analysis VII-(C) Number Theory & Elective Problem Solving Sessions	5	5	25	75	100
			Cluster Electives: VIII-A-1: Integral Transforms	5	5	25	75	100
		VII	VIII-A-2: Advanced Numerical Analysis	5	5	25	75	100
		VIII	VIII-A-3: Project work or VIII-B-1: Principles of Mechanics VIII-B-2: Fluid Mechanics VIII-B-3: Project work or VIII-C-1: Graph Theory VIII-C-2: Applied Graph Theory VIII-C-3: Project work	5	5	25	75	100



B.Sc. (Physics) (Maths Combinations)

S. No	Semester	instruction and examination to be followed w.e.s	Instruc- tion hrs/week	Duration of	Max Marks (external)
Tho	ery		1 mo meen	p-summing)	(external)
1	First	Paper I: Mechanics& Properties of Matter	4	3	75
2	Second	Paper II: Waves & Oscillations	4	3	75
3	Third	Paper III: Wave Optics	4	3	75
4	Fourth	Paper IV: Thermodynamics & Radiation Physics	4	3	75
5	Fifth	Paper V:Electricity, Magnetism& Electronics Paper VI: Modern Physics	4	3	75 75
6	Sixth	Paper VIII: Cluster Electives (Three)	4	3	75
Prac	ticals	The state of the s	4	3	75
1	First	Practical 1	2	3	50
2	Second	Practical II	2	3	50
3	Third	Practical III	2	3	50
4	Fourth	Practical IV	2	3	50
5	Fifth	Practical V	2	3	50
6	Secretary.	Practical VI	2	3	50
7	Sixth	Practical VII	2	3	50
8		Practical VIII	2	3	50



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Andhra Pradesh State Council of Higher Education B.Sc. Chemistry Syllabus under CBCS w.e.f. 2015-16 (revised in April 2016)

Structure of Chemistry Syllabus Under CBCS

YEAR	SEMESTER	PAPER	TITLE	MARKS	CREDITS	
	1	1	Inorganic and Organic Chemistry	100	03	
1			Practical - I	50	02	
	II	П	Physical and General Chemistry	100	03	
			Practical II	50	02	
	Ш	III	Inorganic and organic Chemistry	100	03	
II			Practical - III	50	02	
	IV	IV	Spectroscopy and Physical Chemistry	100	03	
			Practical - IV	50	02	
	v	V	Inorganic ,Organic and Physical Chemistry	100	03	
			Practical - V	50	02	
		VI	VI	Inorganic ,Organic and Physical Chemistry	100	03
			Practical - VI	50	02	
ш	* Any one	VII (A)*	Elective	100	03	
•••	Paper from		Practical - VII A	50	02	
	VII A, B	VII (B)*	Elective	100	03	
	and C	100	Practical - VII B	50	02	
		VII (C)*	Elective	100	03	
	** Any one		Practical - VII C	50	02	
		VIII (A)**	Cluster Electives - 1:	100	03	



cluster		VIII-A-I	100	03
from VIII,		VIII-A-2	100	03
A, B and C	-	VIII-A-3	50	02
	= -0		50	02
			50	02
	VIII (B)**	Cluster Electives - 11 ::	100	03
		VIII-B-I	100	03
		VIII- B-2	100	03
		VIII-B-3	50	02
	V V		50	02
VI			50	02
	VIII (C)**	Cluster Electives - III ::	100	03
		VIII-C-1	100	03
		VIII-C-2	100	03
	115	VIII-C-3	50	02
			50	02
			50	02



Prof. K Vinkod a Rac

deanacademic@andhravniversity.edu.in 80108683406 08912844427

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30.04.2020 PROPOSE Subjects	SEMI		SEM II		SEM III		SEM IV		SE
	Hrs/W	Credits	Hrs/W	Credits	Hrs/W	Credits		Credits	
Languages							1110/11	Greats	1113/ 44
English	4	3 🗸	4	3	4	3	4	3	
Language (H/T/S)	4	3	4	3	4	3	4	3	
Life Skill Courses* (1 out of 3 for each Sem except Environ Edn in Sem 4)	2	2	2	2	2	2	2	2	
Skill Development Courses** (General) (1 out 0f 3 for Each Sem)	2	2	2	2	2	2	2	2	
Core Papers***									
Core	5	5	5	5	5	5	5	5	
Core	5	5	5	5	5	5	5	5	
Core	5	5	5	5	5	5	5	5	
Core			5	5	5	5	5	5	
			4 3 1 1 3 1 1						5
(Domain Related) Skill Enhancement Courses**** (SECs)					•				5 5
						,			5
Hrs/W (Academic Credits)	27	25	32	30	32	20	20		5
Project Work		20	32	30	34	30	30	30	30
Extension Activities Non Academic Credits ICC/NSS/Sports/Extra Curricular								2	
oga						1		1	
xtra Credits						-		1	(0

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ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION (A Statutory Body of the Government of A.P) III, IV & V Floors, Neeladri Towers, Sri Ram Nagar,

III, IV & V Floors, Neeladri Towers, Sri Ram Nagar, 6th Battalion Road, Atmakur (V), Mangalagiri (M) Guntur – 522 503, Andhra Pradesh



Web: www.apsche.org. Email: acapsche@gmail.com

REVISION OF CURRICULUM UNDER CBCS WITH EFFECT FROM 2020-21

MEETING OF THE COMMITTEE WITH DEANS, ACADEMIC AFFAIRS ON 10.06.2020 THROUGH VIDEO CONFERENCE

REVISED ALLOTMENT OF OTHER SUBJECTS TO UNIVERSITIES

SI No	Subject	Preparation of syllabus allotted to
1	Education	
2	Special Education	1.
3	Human Genetics WYR	1
4	Bioinformatics	
5	Microbiology	Andhra University
6	Agriculture	
7	Psychology	
8	HRM	1
9	Social Work	
10	Journalism & Mass Communication	
11	Music	
12	Food Science	
13	Nutrition	

SI No	Subject	Preparation of syllabus allotted to
1	Forensic Science	
2	Horticulture	
3	Animation	Adikavi Nannayya University
4	Artificial Intelligence & Robotics	
5	Data Science	
6	BBA Digital Marketing	

SI No	Subject	Preparation of syllabus allotted to
1	Philosophy	
2	ERP Multimedia & Web Designing	1
3	English Literature/Special English	
4	Oriental Languages (Telugu &	
•	Sanskrit)	Acharya Nagarjuna University
5	Tourism Business & Marketing	
6	Aquaculture	
7	Fisheries	

SI No	Subject	Preparation of syllabus allotted to
1	Home Science	
2	Biochemistry	OLLEGE
		10/0/0

3	Biotechnology	S V University
4	Hindi Literature	3 V Oniversity
5	Psychology	
6	Hindi	
7	Sanskrit	

SI No	Subject	Preparation of syllabus allotted to
1	Computer Maintenance	
2	Anthropology	
3	Public Administration	Yogi Vemana University
4	Statistics	
5	Geography	
6	Electronics	<u>_</u> .
7	Geology .	
8	Telugu Literature/Special Telugu	
9	Urdu	
10	Urdu Literature/Special Urdu	

SI No	Subject .	Preparation of syllabus allotted to	
1	Sericulture	Sri Krishna Devaraya University	
2 Sociology		- Sii Kiisiiia Devaraya ciiirosay	
3	Rural Development		
4	Cement Sciences		

SI No	Subject	Preparation of syllabus allotted to
1	BBA .	
2	BBM	Krishna University
3	BCA	- Krisima emitereity
4	Hospitality & Hotel Administration	1
5	Travel & Tourism Management	
6	Hotel Management Catering Tech	

SI No	Subject	Preparation of syllabus allotted to
1	Food Technology	Vikrama Simhapuri University
2	Renewable Energy	VIKIAIIIa Olimapaii
3	Data mining	
4	Rural Industrialization	
5	Telugu Literature/Special Telugu	

PROPOSED GUIDELINES OF CBCS CURRICULAR FRAMEWORK (2020 - 21 ONWARDS)

Common for B.A., B.Sc., B.Com.

Languages

1. English and other Languages (Telugu/Hindi/Sanskrit/etc) are for Semesters I to IV, four courses, with the first course in both English and other languages emphasizing

Life Skill Courses

- 1. There will be a total of nine Life Skill Courses, with a choice to choose one Course from a pool of three such choices in each of the Semesters I, II and III, making the number of Life Skill Courses to be taken by a student in the first three semesters to three.In the IV Semester, Environmental Education is a compulsory Life Skill Course. Thus altogether a student chooses his/her choice of 3 Life Skill Courses and 1 compulsory course, totaling to 3+1 = 4 Life Skill Courses.
- 2. The three pools of Life Skill Courses offered are -

Semester I	Human Values and Professional Ethic. Computer Applications Statistics (Applications)
Semester II	3. Statistics (Any 1 of the 3) 4. Indian Culture and Science 5. Information and Communication Technology (ICT) 6. Entrepreneurship Development (Any 1 of the 3)
Semester III	7. Analytical Skills 8. Personality Enhancement and Leadership
Semester IV	9. Health & Hygiene (Any 1 of the 3) 10. Environmental Education (Compulsory)

Core Courses for B.A and B.Sc

- 1. The total Core Courses for all BA and B.Sc programmes will be FIVE and they will be
- 2. There will be only 3 core courses, one each from the main domain subject in Semester I and there will be 4 core courses, one extra course from one of the main domain

subjectsin Semester II, III and IV. For ex., for B.A Programme with History. Economics and Political Science -

Semester	Major Domain Subject	Course Tid. 10		
	History	Course Title and Code (Number HIIIIII – His – 1		
Sem I	Economics	EEEE – Eco – 1		
	Political Science -	PPPP - Pol - 1		
Sem II	History Economics			
Gen n	Political Science History	EEEE – Eco – 2 PPPP – Pol - 2 HIIIIH – His - 3		
Sem III	History Economics Political Science Economics	HHHH - His - 4 EEEE - Eco - 3 PPPP - Pol - 3 EEEE - Eco - 4		
Sem IV	History Economics Political Science Political Science	HHIIH – His – 5 EEEE – Eco – 5 PPPP – Pol – 4 PPPP – Pol – 5		

3. The Subject Committees are requested to design the five core courses of their respective subjects in such a way that there is no link between or no necessity of one course preceding the other.

Skill Development Courses (SDCs)for B.A., B.Sc., and B.Com

- 1. Each of the Programmes, BA., B.Sc., and B.Com has four SDCs and a student has to choose four courses. The SDCs will be offered in three different streams, A—Sciences, B—Arts and C—Commerce. Each stream will offer two courses. For eg., in Semester I, Stream A—Sciences will offer two courses, like wise Stream B and C (i.e, Arts and Commerce) will offer two courses, each. So, in Semester I, Stream A offers two courses, Stream B offers two courses and Stream C offers two courses. A student of Arts will choose one course offered in either Stream A or C, a student of Sciences will choose one course in streams B or C and a student of Commerce will choose one course from the streams A or B. Same will be the case in Semesters II, III and IV.
- 2. As of now, the Subject Committees can limit their work to design the Five Core courses only. Separate guidelines will be given for designing the Skill Development Courses.



Skill Enhancement Courses (SECs) for B.A. and B.Sc

- 1. A total of 6 courses will be offered in Semester V, two each from each of the Major domain subjects.
- 2. Each Major domain subject shall offer a pair of courses, which shall be related. For each major domain subject, there shall be three such pairs of related courses. For eg., B.A programme in V semester shall have History three pairs and a student can choose one pair (two courses) and in Economics, three pairs will be offered and the offered and the student chooses one pair (two courses) and in Political Science, three pairs will be of 6 courses, two in each of the three domain subjects.
- 3. The suggestive lists will be circulated to the Subject Committees, in due course of time and they can edit the list of courses, depending on the regional relevance and the infrastructure availability, etc, and prepare the syllabus. Separate Guidelines for designing the Skill Enhancement Courses will be circulated in due course of time.

On the Job Training / Apprenticeship / Industrial Internship for B.A., B.Sc., B.Com

- 1. There shall be two spells of the On the Job Training/Apprenticeship/Internship or any other in the intervening summer vacations 1st and 2nd years and 2nd and 3rd years.
- 2. The entire 6th Semester shall be On the Job training / Apprenticeship / Industrial Internship /etc.,

Regarding B.Com Curricular Framework

Core Courses

1. As per the Curricular framework for B.Com., 15 core courses will be offered in the first four semesters

Skill Enhancement Courses

1. In the V Semester, Six Skill Enhancement Coursesshall be offered by following the same pattern suggested for B.A. and B.Sc., i.e., one pair to be chosen from a pool of three pairs of SECs and one pair from another pool and similarly another pair from another pool. Thus there will be 3 pairs of A group + 3 pairs of B group + 3 pairs of C group SECs to be offered from each of the groups A. B and C and one pair each shall be chosen by the students of V Sem. The groups A, B and C could be like, A

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Group - Management; B Group - Taxation, C Group - Insurance or Entrepreneurship etc.

The Core Courses (15 courses) shall not be repeated in Skill Enhancement Courses.

- 2. Skill Development Courses structure and modalities remain the same as in case of B.A and B.Sc.
- 3. Guidelines for Skill Enhancement Courses for B.Com will be issued separately

Outcome Based:

- 1. The outcomes for which the syllabus is offered are to be listed and finalized. The outcomes may include knowledge, intellectual skills and practical skills with specific reference to the Higher Order Skills mentioned in Bloom's Taxonomy.
- 2. After finalizing the expected outcomes in the student, the syllabus is to be redrafted suitably.
- 3. The expected outcomes shall be listed at the beginning of the syllabus for each course.

Submission of Syllabus:

- 1. The draft revised syllabus for the 5 core courses in respect of B.A and B.Sc and 15 core courses in respect of B.Com to be taught in 4 semesters shall be submitted in the template already circulated and which is once again being circulated.
- 2. The draft revised syllabus for the Core courses as mentioned in point 1 above, shall be submitted in soft copies (MSWord, Times News Roman font 12 size, 1.5 space and in open editable text format. Avoid tables as far as possible) to APSCHE by 20th May 2020by email to acapsche@gmail.com.
- 3. In respect of First Languages, Unicode Open file format shall be used.

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Shramika Nagar, Gajuwaka
Shramika Nagar, Gajuwaka
VISAKHAPATNAM-530026



ANDHRA UNIVERSITY MVR-COLLEGE -VISAKHAPATNAM M. SC., BOTANY

THEORY/PRACTICAL EXAMINATIONS - 'APRIL - 2019

2nd Semester (Reg. & Supplementary - 2015-2016;)	Max. A	Jarks 80)
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Date/ Day	Paper Code	Title of the Paper	Time
22-03 2019(Monday)	201	Genetics	2-5 PM
24-04-2019(Wednesday)	202	Molecular Biology of Plants	2-5 PM
26-04-2019(Friday)	203	Biology and Diversity of Pteridophytes and Gynnosperms	= 2-5 PM
29-04-2019(Monday)	204	Flant Cell, Tissue and Organ Culture	2-5 PM

Supplementary, 2015(Max. Marks 80) Paper Date' Day Title of the Paper Time Code 22-04-2019/Monday) 201 Genetics -5 PM 24-04-2019(Wednesday) 202 Molecular Biology of Plants 2-5 FM 26-04-2019(Friday) Diology and Diversity of Pieridophytes and 203 2-5 PM Gymnosperms 204 29-04-2019(Monday) Plant Development and Tissue culture 2-5 PM

PRACTICALS

Date/Day		Examiners		Batch	Time
	Internal	External	No.		
16-04-2019	Dr. PBSY	Prof. S. Thimma Naik	III	PATCH-I	8.00-12.00AM
(Tuesday)	(SICD)		BATCH-II	1.00-5.00PM	
17-04-2019	Prof. DSD	Prof. S. Thimma Naik	IV	BATCH-I	8.00-12.00AM
(Wednesday)		(SKD)		BATCH-II	1.00-5.00PM

III: Genetics & Molecular Biology of Plants
IV: Biology and Diversity of Pteridophytes and Gymnosperms & Plant Cell, Tissue and Organ Culture

Date/ Day	Paper Code	Title of the Paper	Time
23-04-2019(Tuesday)	401	Genetic Engineering of Flants and Microbes	2-5 PM
25-04-2019(Thursday)	402	Evolution and Plant Freeding	2-5 PM
		Electives - group - A	
27 ₂ 04-2019(Saturday)	403	Appiled Phycology Plant Pathology	2-5 PM
		· Electives - group - B ·	
30-04-2019(Tuesday)	404	Plant Biosystematics Crop Physiology and Biotechnology	2-5 PM

Supplementary from 2010 to 2014 (Max. Marks 85) Date/ Day Paper Title of the Paper Time Code 23-04-2019(Tuesday) 401 Genetic Engineering of Platits and Microbes 2-5 FM Evolution and Plant Breeding 25-04-2019(Thursday) 402 2-5 PM Electives - group - A 27-04-2019(Saturday) 405 Applied Phytology 2-5 PM Plant Pathology

Electives - group 30-04-2019(Tuesday) 104 Plant Biosystematics 2-5 PM Crop Physiology and Biorechnology Advanced Cytogenetics Agricultural Biotechnology Experimental Embryology

PRACTICALS

Date/Day	Exam	Examiners		Batch	Time	
	Internal	External	No.			
16-04-2019	·Dr. PBSY	Prof. S. Thimma	VII	BATCH-I	8.00-12.00AM	
(Tuesday)		Naik (SED)		DATGH-II	1.00-5.00PM	
17-04-2019	Prof. DSD	Prof. S. Thimma	Viti	EATCH-III	8.00-12.00AM	
(Wednesday)		Naik (SKD)		BATCH-I	1.00-5.00PM	

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VII: Genetic Engineering of Plants and Microbes & Evolution and Plant Breedings

VIII: Electives: Crop Physiology and Biotechnology & Piant Pathology

(PROF. B. SUJATHA) CHEAD OF THE DEPARTMENT

ANDHRA UNIVERSITY



M.Sc. APPLIED MATHEMATICS - THEORY EXAMINATIONS DECEMBER - 2021

III SEMESTER (REGULAR) TIME-TABLE

(w.e.f. 2020-21 Admitted Batch)

TIME: 2,00 PM TO 5.00 PM

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Date Day 6-12-2021 Thursday		Code Subject		Time	Max. Mark
		SXA S 329	Measure Theory	3hours	80
17-12-2021	Friday	SXA 5 331	Programming Language C++	3hours	80
18-12-2021 Saturday		SXA S 330	XA S 330 Techniques of Applied Mathematics-III		80
		L	ELECTIVES:		. ***
20-12-2021	Monday ·	SXA S 332	Boundary Value Problems-I	3hours	08
21-12-2021	Thusday	SXA 5 333 ·	Optimization Techniques-I	3hours	80
22-12-2021	2-12-2021 Wednesday SXA S 334 Relativity and Cosn		Relativity and Cosmology-I	3hours	80

III SEMESTER (SUPPLEMENTARY) TIME - TABLE (w.e.f. 2014-15 admitted batch)

TIME: 2.00 PM TO 5.00 PM

Date	Day	Code	Code Subject		Max. Mark
16-12-2021	Thursday	SXA S 321 A	Measure Theory	3hours	80
17-12-2021	Friday	SXA S 316 A	Programming Language C++	3hours	80
		E	ECTIVES:		
20-12-2021	Monday	SXA S 317 A	Boundary Value Problems-I	3hours	80
21-12-2021	Thusday	SXA S 323 A	Optimization Techniques-I	3hours	80
22-12-2021	Wednesday	SXA S 324 A	Relativity and Cosmology-I	3hours	80

w.e.f. 2016-2017 (Admitted Batch)

III Semester

		1 01/4 0 007	Techniques of Applied Mathematics-III	3houre	80
18-12-2021	Saturday	SXA \$ 327	Techniques of Applied Mathematics in	1. 3110413	

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M.V.R. DEGREE COLLEGE

Shramika Nagar, Gajuwaka

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III SEMESTER (SUPPLEMENTARY) TIME - TABLE (For the Academic Year 2020-2021)

			cademic Year 2020-2021	Time	Max. Marks
45. 2 0	PM TO 5.00 P	M	Subject		. 1
TIME: 2.00 PM TO 5.00		Code		3hours	80
Date	Day		Theory		80
		SXA S 301 C-19	Measure Theory	3hours	80
16-12-2021	Thursday	The state of the s	Programming Language C	3hours	80
		SXA S 302 C-19	Programmas		
17-12-2021 Friday	Friday		Techniques of Applied		
	1	SXA 5 306 C-19	[gcinique		
18-12-2021	Saturday		Mathematics-III		
			ELECTIVES:	3hours	80
			Boundary Value Problems-I	31104113	
	· ·	SXA S 304 C-19	Boundary Value	3hours	80
	Monday	SXA 5 304 C-13	Optimization Techniques-I	3110-	1-
20-12-2021		SXA S 303 C-19	Optimization recimi	3hours	80
21-12-2021			Relativity and Cosmology-l	3110013	
		SXA \$ 305 C-19	Relativity and costs		
	Wednesday	3XA 3 303 -			

(By Order)

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Additional Controller of Examinations

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