



# Dr. N.G.P. ARTS AND SCIENCE COLLEGE

(An Autonomous Institution, Affiliated to Bharathiar University, Coimbatore)  
 Approved by Government of Tamil Nadu and Accredited by NAAC with 'A++' Grade (3<sup>rd</sup> Cycle-3.64 CGPA)  
 Dr. N.G.P. - Kalapatti Road, Coimbatore-641048, Tamil Nadu, India  
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## REGULATIONS 2023-24 for Under Graduate Programme

(Outcome Based Education model with Choice Based Credit System)

### Bachelor of Commerce with International Business Degree

(For the students admitted during the academic year 2023-24 and onwards)

**Programme: B.Com. International Business**

#### Eligibility

Candidates for admission to the first year of the **Bachelor of Commerce with International Business** Degree Programme shall be required to have passed in the Higher Secondary Examinations conducted by the Government of Tamil Nadu in the relevant subjects or an Examination accepted as equivalent thereto by the Academic Council. Subject to such conditions as maybe prescribed thereto are permitted to appear and qualify for the Bachelor of Commerce with International Business degree examination of this college after a programme of study of three academic years.

#### Programme Educational Objectives

The Curriculum is designed to attain the following learning goals which students shall accomplish by the time of their graduation:

1. To instill positive attitude and ethical values among the students to be successful in personal and professional career.
2. To equip students with current development in the field of international business which cater the current needs of the industry?
3. To build a strong foundation of knowledge and skills in the area of commerce.
4. To enable students with an ability of problem solving and decision making.
5. To expose students in the area of export/import procedures.



## PROGRAMME OUTCOMES

On the successful completion of the program, the following are the expected outcomes.

PO Number	PO Statement
PO1	Impart the knowledge in the practical application of accounting
PO2	Employ the functions of supply chain in international business
PO3	Ability to communicate effectively and efficiently with written and oral means
PO4	Demonstrate the skills in the field of logistics management and port operations
PO5	Exhibit management functions to international business decision making



## CURRICULUM- 2023-24

## B.Com IB


Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
<b>First Semester</b>										
<b>Part- I</b>										
231TL1A1TA	Language - I	Tamil-I	4	1	-	3	25	75	100	3
231TL1A1HA		Hindi-I								
231TL1A1MA		Malayalam-I								
231TL1A1FA		French - I								
<b>Part- II</b>										
231EL1A1EA	Language-II	English - I	4	-	1	3	25	75	100	3
<b>Part- III</b>										
235PA1A1CA	Core - I	Financial Accounting	5	1	-	3	25	75	100	4
235CI1A1CA	Core - II	Principles of Management	4	-	-	3	25	75	100	4
235IB1A1CP	Core Practical- I	Spreadsheet Modeling for Business	-	-	4	3	40	60	100	2
235CO1A1IA	IDC - I	Business Economics	4	-	-	3	25	75	100	4
<b>Part-IV</b>										
233MB1A1AA	AECC-I	Environmental Studies	2	-	-	2	50	-	50	2
<b>Part - V</b>										
235IB1A1XA	Extension Activity	NSS/NCC/ YRC/RRC/ Yoga/Sports	-	-	-	-	50	-	50	1
<b>Total</b>			<b>23</b>	<b>2</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>700</b>	<b>23</b>

BoS Chairman/HoD  
Department of Commerce (IB)  
Dr. N. G. P. Arts and Science College  
Coimbatore - 641 048



Dr. NGPASC

COIMBATORE | INDIA

 <b>Dr.N.G.P. Arts and Science College</b>		
<b>APPROVED</b>		
09/06/2023	AC - 14/07/2023	GB - 05/08/2023
B.Com.IB (Students admitted during the AY 2023-24)		



B.Com.IB (Students admitted during the AY 2023-24)

## Credit distribution Summary

For students admitted in AY 23-24 and onwards.

Credit distribution for all UG Programmes

Part	Subjects	No. of Papers	Credit	Semester No.
I (12 Credits)	Tamil / Hindi / French/Malayalam	4	4 x 3 =12	I to IV
II (12 Credits)	English	4	4 x 3 =12	I to IV
III (108 Credits)	Core (Credits 2,3,4,5)	15x4	60	I to VI
		2x3	06	
	Core Practical (Credits 2)	02	02x2=04	I to VI
	Inter Departmental Course (IDC)	4	4x4=16	I to IV
	Discipline Specific Elective (DSE)	3	3 x 4 =12	V & VI
	Skill Enhancement Course (SEC) (Embedded)	4	4x 2= 08	III, IV, V&VI
	Industrial Training	1	1x 2=2	V
IV (8 Credits)	Environmental Studies (AECC)	1	2	I
	Basic Tamil/Advance Tamil/Human Rights, & Women's Rights (AECC)	1	2	II
	Innovation & IPR (AECC)	1	2	VI
	Generic Elective (GE)	1	2	V
V (2 Credits)	NSS/NCC/YRC/RRC/Yoga/ Sports/Club	-	2	I - II
<b>TOTAL CREDITS</b>			<b>142</b>	



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*B.Com.IB (Students admitted during the AY 2023-24)*

Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
<b>Second Semester</b>										
<b>Part-I</b>										
231TL1A2TA	Language - I	Tamil-II	4	1	-	3	25	75	100	3
231TL1A2HA		Hindi-II								
231TL1A2MA		Malayalam-II								
231TL1A2FA		French - II								
<b>Part- II</b>										
231EL1A2EA	Language-II	English - II	4	-	1	3	25	75	100	3
<b>Part- III</b>										
235BP1A2CA	Core - III	Advanced Financial Accounting	5	1	-	3	25	75	100	4
235IB1A2CA	Core -IV	Principles of Marketing	4	-	-	3	25	75	100	4
235IB1A2CP	Core Practical-II	Spreadsheet Modeling for Accounting	-	-	4	3	40	60	100	2
232MT1A2IA	IDC - II	Business Statistics	4	-	-	3	25	75	100	4
<b>Part-IV</b>										
231TL1A2AA	AECC-II	Basic Tamil	2	-	-	2	50	-	50	2
231TL1A2AB		Advance Tamil								
235CR1A2AA		Human Rights and Women's Rights								
<b>Part-V</b>										
235IB1A2XA	Extension Activity	NSS/NCC/ YRC/RRC/ Yoga/Sports	-	-	-	-	50	-	50	1
<b>Total</b>			<b>23</b>	<b>2</b>	<b>5</b>				<b>700</b>	<b>23</b>



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
<b>Third Semester</b>										
<b>PART- I</b>										
231TL1A3TA	Language - I	Tamil-III	3	1	-	3	25	75	100	3
231TL1A3HA		Hindi-III								
231TL1A3MA		Malayalam-III								
231TL1A3FA		French - III								
<b>PART- II</b>										
231EL1A3EA	Language-II	English - III	3	1	-	3	25	75	100	3
<b>PART- III</b>										
235CM1A3CA	Core - V	Cost Accounting	5		-	3	25	75	100	4
235AT1A3CA	Core - VI	Income Tax Law and Practice	5	1	-	3	25	75	100	4
235BI1A3CB	Core - VII	Company Law	4	-	-	3	25	75	100	4
232MT1A3IA	IDC - III	Business Mathematics	4	-	-	3	25	75	100	4
235IB1A3SA	SEC- I	Garment Merchandising	3	-	-	3	25	75	100	2
<b>Total</b>			<b>27</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>700</b>	<b>24</b>



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
<b>Fourth Semester</b>										
<b>PART - I</b>										
231TL1A4TA	Language - I	Tamil-IV	3	1	-	3	25	75	100	3
231TL1A4HA		Hindi-IV								
231TL1A4MA		Malayalam-IV								
231TL1A4FA		French - IV								
<b>PART - II</b>										
231EL1A4EA	Language-II	English - IV	3	1	-	3	25	75	100	3
<b>PART - III</b>										
235IB1A4CA	Core - VIII	International Trade Procedures	5	-	-	3	25	75	100	4
235IB1A4CB	Core- IX	Logistics and Supply Chain Management	5	-	-	3	25	75	100	4
235FI1A4CC	Core-X	Business Taxation	4	-	-	3	25	75	100	4
236BM1A4IB	IDC - IV	Retail Management	4	-	-	3	25	75	100	4
235IB1A4SP	SEC - II	Banking and EXIM Documentation (Non-Lab Practical)	-	-	4	3	40	60	100	2
<b>Total</b>			<b>24</b>	<b>2</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>700</b>	<b>24</b>



Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
<b>Fifth Semester</b>										
<b>Part-III</b>										
235IB1A5CA	Core - XI	International Business Strategy	5	1	-	3	25	75	100	4
235IB1A5CB	Core - XII	Banking and Foreign Exchange	5	-	-	3	25	75	100	4
235IB1A5CC	Core- XIII	Principles of Auditing	4	1		3	25	75	100	3
225CO1A5CB	Core - XIV	Research Methodology	4	-		3	25	75	100	4
235IB1A5SP	SEC- III	PESTLE Analysis (Non - Lab Practical)	-	-	4	3	25	75	100	2
235IB1A5TA	IT	Industrial Training					40	60	100	2
235FI1A5DA	DSE -I	Financial Markets	4	-	-	3	25	75	100	4
235IB1A5DA		International Business Environment								
235BI1A5DA		Advertising and Salesmanship								
235CO1A5DA		Human Resource Management								
<b>Part- IV</b>										
	GE		2	-	-	3	50	-	50	2
<b>Total</b>			<b>24</b>	<b>2</b>	<b>4</b>				<b>750</b>	<b>25</b>





Course Code	Course Category	Course Name	L	T	P	Exam (h)	Max Marks			Credits
							CIA	ESE	Total	
<b>Sixth Semester</b>										
<b>Part-III</b>										
235BA1A6CA	Core- XV	Management Accounting	5	-	-	3	25	75	100	4
235IB1A6CA	Core- XVI	International Relations	4	-	-	3	25	75	100	3
235IB1A6CV	Core- XVII	Project	-	-	8	-	40	60	100	4
235IB1A6SA	SEC- IV	Entrepreneurial Skills	3	-	-	3	25	75	100	2
235FI1A6DA	DSE -II	Investment Management	4	-	-	3	25	75	100	4
235IB1A6DA		India's Foreign Trade and Legislation								
235BI1A6DA		Retail Marketing								
235CO1A6DA		Organization Behavior								
235FI1A6DB	DSE -III	Security analysis and Portfolio Management	4	-	-	3	25	75	100	4
235IB1A6DB		International Banking and Finance								
235BI1A6DB		Customer Relationship Management								
235CO1A6DB		Industrial Relations and labour Law								
<b>Part-IV</b>										
235BI1A6AA	AECC-III	Innovation and IPR	2	-	-	-	50	-	50	2
<b>Total</b>			<b>22</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>650</b>	<b>23</b>
<b>*Grand total</b>									<b>4200</b>	<b>142</b>



## DISCIPLINE SPECIFIC ELECTIVE

Students shall select the desired course of their choice in the listed elective course during Semesters V& VI

### Semester V (Elective I) List of Elective Courses

S.No.	Course Code	Name of the Course
1.	235FI1A5DA	Financial Markets
2.	235IB1A5DA	International Business Environment
3.	235BI1A5DA	Advertising and Salesmanship
4.	235CO1A5DA	Human Resource Management

### Semester VI (Elective II) List of Elective Courses

S.No.	Course Code	Name of the Course
1.	235FI1A6DA	Investment Management
2.	235IB1A6DA	India's Foreign Trade and Legislation
3.	235BI1A6DA	Retail Marketing
4.	235CO1A6DA	Organization Behavior

### Semester VI (Elective III) List of Elective Courses

S.No.	Course Code	Name of the Course
1.	235FI1A6DB	Security analysis and Portfolio Management
2.	235IB1A6DB	International Banking and Finance
3.	235BI1A6DB	Customer Relationship Management
4.	235CO1A6DB	Industrial Relations and labour Law



### GENERIC ELECTIVE COURSES (GE)

The following are the courses offered under Generic Elective Course

#### Semester V GE

S.No.	Course Code	Course Name
1	235IB1A5GP	EXIM Documentation

### EXTRA CREDIT COURSES

The following are the courses offered under self-study to earn extra credits:

#### Semester III

S.No.	Course Code	Course Name
1	235IB1ASSA	Principles of Insurance
2	235IB1ASSB	World Economic Resources

### CERTIFICATE PROGRAMMES

The following are the programme offered to earn extra credits:

S. No.	Programme Code and Name	Course Code	Course Name
1	5IB6A		Diploma in Logistics Management
2	5IB5A Soft Skills and Personality Development	195IB5A1CA	Certificate Course in Soft Skills and Personality Development
3	5IB5B Freight Forwarding	195IB5B1CA	Certificate Course in Freight Forwarding

### MOOC (NPTEL/SWAYAM/ SPOKEN TUTORIAL)

The following are the online courses offered:

Please refer the following link to select the courses

- [www.swayam.org](http://www.swayam.org)
- [www.nptel.ac.in](http://www.nptel.ac.in)
- [www.spoken-tutorial.org](http://www.spoken-tutorial.org)



## UG - REGULATION (R5)

(2023-24 and onwards)

### (OUTCOME BASED EDUCATION WITH CBCS)

#### 1. NOMENCLATURE

**1.1 Faculty:** Refers to a group of programmes concerned with a major division of knowledge Eg. Faculty of Computer Science consists of disciplines like Departments of Computer Science, Information Technology, Computer Technology, Computer Applications, Data Analytics, Cognitive Systems, Artificial Intelligence and Machine Learning and Cyber Security

**1.2 Programme:** Refers to the Bachelor of Science / Commerce / Arts stream that a student has chosen for study.

**1.3 Batch:** Refers to the starting and completion year of a programme of study. Eg. Batch of 2023-26 refers to students belonging to a 3 year Degree programme admitted in 2023 and completing in 2026.

**1.4 Course:** Refers to component of a programme. A course may be designed to involve lectures / tutorials / laboratory work / seminar / project work/ practical training / report writing / Viva- voce, etc., or a combination of these, to meet effectively the teaching learning needs.

- a) **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement
- b) **Inter Disciplinary Course (IDC):** A course chosen generally from a related discipline/subject with an intention to seek exposure in the discipline relating to the core domain of the student
- c) **Discipline Specific Elective (DSE) Course:** Elective courses offered under main discipline/ subject of study.
- d) **Skill Enhancement Courses (SEC):** Value-based and/or skill-based courses which are aimed at providing hands-on-training, competencies, skills, etc.
- e) **Ability Enhancement Compulsory Courses (AECC):** Mandatory courses that lead to Knowledge enhancement. Environmental Science, Human Rights and Women's Rights, Basic Tamil/ Advanced Tamil, Innovation and IPR, Innovation, IPR and Entrepreneurship.
- f) **Ability Enhancement Elective Course (AEEC)/Generic Elective (GE)** An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is Generic Elective.



### 1.5 Project Work:

Course involving application of knowledge in problem solving / analyzing /exploring a real life situation / difficult problem. The Project work will be given in lieu of a Core paper.

### Internship/Industrial Training

Students must undertake industrial / institutional training for a minimum of 15 days during the IV semester summer vacation. The students will submit the report for evaluation during V semester.

### 1.6 Extra Credits:

Extra credits shall be awarded for achievements in identified curricular/co-curricular/Extracurricular activities executed outside the regular class hours. Extra credits are not mandatory for completing the programme.

## 2. STRUCTURE OF PROGRAMME

### 2.1 PART- I: LANGUAGE- I

Tamil or any one of the languages namely Malayalam, Hindi and French will be offered under Part - I in the first four semesters.

### 2.2 PART- II: LANGUAGE- II

English will be offered during the first four semesters.

### 2.3 PART- III:

- Core Course
- Inter Departmental Course (IDC)
- Discipline Specific Elective (DSE)
- Skill Enhancement Course (SEC)
- Industrial Training (IT)

### 2.4 PART- IV:

#### 2.4.1 Ability Enhancement Compulsory Course (AECC):

The Ability Enhancement Compulsory Courses such as i)Environmental Studies, ii) Human Rights and Womens' Rights, iii) Innovation and IPR/ Innovation, IPR and Entrepreneurship are offered during I,II and VI Semester.

Basic Tamil

a) Those who have not studied Tamil up to XII Std and taken a non-Tamil language under Part-I shall take oneBasic Tamil coursein the second semester.



(OR)

Advanced Tamil

b) Those who have studied Tamil up to XII Std and taken a non-Tamil language under Part-I shall take one Advanced Tamil course in the second semester.

**Note:** Students who come under the above a+b categories are exempted from Human Rights and Women's Rights in the second semester.

**Ability Enhancement Elective Course (AEEC)/Generic Elective (GE)** An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is Generic Elective offered in V semester. (Theory/Practical/Non-Lab Practical)

### 2.5 PART- V: EXTENSION ACTIVITIES

The following extracurricular activities like NSS/YRC/NCC/RRC/Yoga/Sports/Clubs are offered under extension activities during semester I & II. Students will be evaluated based on their active participation in any one of the above activities. 75% Attendance is compulsory for extension activity.

### 3. CREDIT ALLOTTMENT

The following is the credit allotment:

- Lecture Hours (Theory) : 1 credit per lecture hour per week
- Laboratory Hours : 1 credit for 2 Practical hours per week
- Project Work : 1 credit for 2 hours of project work per week

### 4. DURATION OF THE PROGRAMME

The B.A. /B.Com./B. Sc. Programme must be completed within 3 years (6 semesters) and a maximum of 6 years (12 semesters) from the date of acceptance to the programme. If not, the candidate must enroll in the course determined to be an equivalent by BoS in the most recent curriculum recommended for the Programme.

### 5.REQUIREMENTS FOR COMPLETION OF A SEMESTER

Every student shall ordinarily be allowed to keep terms for the given semester in a program of his/ her enrolment, only if he/ she fulfills at least seventy five percent (75%) of the attendance taken as an average of the total number of lectures, practicals, tutorials, etc. wherein short and/or long excursions/field visits/study tours organised by the college and supervised by the faculty as envisaged in the syllabus shall be credited to his/her attendance. Every student shall have a minimum of 75% as an overall attendance.



## 6. EXAMINATIONS

The end semester examinations shall normally be conducted after completing 90 working days for each semester. The maximum marks for each theory and practical course shall be 100 with the following breakup:

### a) Mark distribution for Theory Courses

Continuous Internal Assessment (CIA)	: 25 Marks
End Semester Exams (ESE)	: 75 Marks
Total	: 100 Marks

### i) Distribution of Internal Marks

S.No.	Particulars	Distribution of Marks
1	CIA I (2.5 Units) (On completion of 45 <sup>th</sup> working day)	5
2	Model ( All 5 Units) (On completion of 85 <sup>th</sup> working day)	5
3	Attendance	5
4	Library Usage	5
5	Skill Enhancement *	5
<b>Total</b>		<b>25</b>

### Breakup for Attendance Marks:

S.No	Attendance Range	Marks Awarded
1	95% and Above	5
2	90% - 94%	4
3	85% - 89%	3
4	80% - 84%	2
5	75% - 79%	1

### Note:

Special Cases such as NCC, NSS, Sports, Advanced Learner Course, Summer Fellowship and Medical Conditions etc. the attendance exemption may be given by principal and Mark may be awarded.



**Break up for Library Marks:**

S.No	Attendance Range	Marks Awarded
1	10h and above	5
2	9h- less than 10h	4
3	8h - less than 9h	3
4	7h - less than 8h	2
5	6h - less than 7h	1

**Note:**

In exception, the utilization of e-resources of library will be considered.

**\*Components for "Skill Enhancement" may include the following:**

Class Participation, Case Studies Presentation/term paper, Field Study, Field Survey, Group Discussion, Term Paper, Presentation of Papers in Conferences, Industry Visit, Book Review, Journal Review, e-content Creation, Model Preparation, Seminar and assignment.

**Components for Skill Enhancement**

Any one of the following should be selected by the course coordinator

S.No.	Skill Enhancement	Description
1	Class Participation	<ul style="list-style-type: none"> <li>Engagement in class</li> <li>Listening Skills</li> <li>Behaviour</li> </ul>
2	Case Study Presentation/ Term Paper	<ul style="list-style-type: none"> <li>Identification of the problem</li> <li>Case Analysis</li> <li>Effective Solution using creativity/imagination</li> </ul>
3	Field Study	<ul style="list-style-type: none"> <li>Selection of Topic</li> <li>Demonstration of Topic</li> <li>Analysis &amp; Conclusion</li> </ul>
4	Field Survey	<ul style="list-style-type: none"> <li>Chosen Problem</li> <li>Design and quality of survey</li> <li>Analysis of survey</li> </ul>
5	Group Discussion	<ul style="list-style-type: none"> <li>Communication skills</li> <li>Subject knowledge</li> <li>Attitude and way of presentation</li> <li>Confidence</li> <li>Listening Skill</li> </ul>
6	Presentation of Papers in Conferences	<ul style="list-style-type: none"> <li>Sponsored</li> <li>International/National</li> <li>Presentation</li> <li>Report Submission</li> </ul>
7	Industry Visit	<ul style="list-style-type: none"> <li>Chosen Domain</li> <li>Quality of the work</li> </ul>





		<ul style="list-style-type: none"> <li>• Analysis of the Report</li> <li>• Presentation</li> </ul>
8	Book Review	<ul style="list-style-type: none"> <li>• Content</li> <li>• Interpretation and Inferences of the text</li> <li>• Supporting Details</li> <li>• Presentation</li> </ul>
9	Journal Review	<ul style="list-style-type: none"> <li>• Analytical Thinking</li> <li>• Interpretation and Inferences</li> <li>• Exploring the perception if chosen genre</li> <li>• Presentation</li> </ul>
10	e-content Creation	<ul style="list-style-type: none"> <li>• Logo/ Tagline</li> <li>• Purpose</li> <li>• Content (Writing, designing and posting in Social Media)</li> <li>• Presentation</li> </ul>
11	Model Preparation	<ul style="list-style-type: none"> <li>• Theme/ Topic</li> <li>• Depth of background Knowledge</li> <li>• Creativity</li> <li>• Presentation</li> </ul>
12	Seminar	<ul style="list-style-type: none"> <li>• Knowledge and Content</li> <li>• Organization</li> <li>• Understanding</li> <li>• Presentation</li> </ul>
13	Assignment	<ul style="list-style-type: none"> <li>• Content and Style</li> <li>• Spelling and Grammar</li> <li>• References</li> </ul>

ii) Distribution of External Marks (ESE)

Total	:	75
Written Exam	:	75

Marks Distribution for Practical course

Total	:	100
Internal	:	40
External	:	60





## 7. Credit Transfer

a. Upon successful completion of **1 NPTEL Course (4 Credit Course)** recommended by the department, during Semester I to IV, a student shall be eligible to get exemption of **one 4 credit course** during the V or VI semester. The proposed NPTEL course should cover content/syllabus of exempted core paper in V or VI semester.

S. No.	Course Code	Course Name	Proposed NPTEL Course	Credit
1			Option - 1 Paper title	4
			Option - 2 Paper title	
			Option - 3 Paper title	

b. Upon successful completion of **2 NPTEL Courses (2 Credit each)** recommended by the department, during Semester I to IV, a student shall be eligible to get exemption of **one 4 credit course** during the V or VI semester. Out of 2 NPTEL proposed courses, **atleast 1 course** should cover content/syllabus of exempted core paper in V or VI semester.

### Mandatory

The exempted core paper in the V or VI semester should be submitted by the students for approval before the end of 4<sup>th</sup> semester

Credit transfer will be decided by equivalence committee

S. No.	Course Code	Course Name	Proposed NPTEL Course	Credit
1			Option - 1 Paper title	2
			Option - 2 Paper title	
			Option - 3 Paper title	
2			Option - 1 Paper title	2
			Option - 2 Paper title	
			Option - 3 Paper title	



NPTEL Courses to be carried out during semester I – IV.					
S.No.	Student Name	Class	Proposed NPTEL Course		Proposed Course for Exemption
			Course I	Option 1- Paper Title Option 2- Paper Title Option 3- Paper Title	Any one Core Paper in V or VI semester
			Course II	Option 1- Paper Title Option 2- Paper Title Option 3- Paper Title	
Class Advisor		HoD		Dean	

### 8. Innovations

Upon Successful outcome of Design Thinking / Copy right/Product/ Patent by the end of the V Semester, student shall be eligible to get exemption in AECC: Innovation, IPR & Entrepreneurship / Innovation & IPR offered during VI Semester.

### 9. Internship/Industrial Training

Students must undertake industrial / institutional training for a minimum of 15 days during the IV semester summer vacation. The students shall submit the report for evaluation during V semester.

### 10. Extra Credits: 10

Earning extra credit is not essential for programme completion. Student is entitled to earn extra credit for achievement in Curricular /Co-Curricular/ Extracurricular activities carried out other than the regular class hours.

A student is permitted to earn a maximum of Ten extra Credits during the programme period.



A maximum of 1 credit under each category is permissible.

Category	Credit
Proficiency in foreign language	1
Proficiency in Hindi	1
Self study Course	1
Typewriting/Short hand	1
CA/ICSI/CMA (Foundations)	1
CA/ICSI/CMA(Inter)	1
Sports and Games	1
Publications / Conference Presentations (Oral/Poster)	1
Lab on Project	1
Innovation / Incubation / Patent / Sponsored Projects / Consultancy	1
Representation in State / National level celebrations	1
Awards/Recognitions/Fellowships	1

Credit shall be awarded for achievements of the student during **the period of study only**.

## GUIDELINES

### Proficiency in foreign language

A pass in any foreign language in the examination conducted by an authorized agency.

### Proficiency in Hindi

A pass in the Hindi examination conducted by Dakshin Bharat Hindi Prachar Sabha. Examination passed during the programme period only will be considered for extra credit.

### Self study Course

A pass in the self study courses offered by the department.

The candidate should register the self study course offered by the department only in the III semester.

### Typewriting/Short hand

A Pass in short hand / typewriting examination conducted by Tamil Nadu Department of Technical Education (TNDTE) and the credit will be awarded.



**CA/ICSI/CMA(Foundations)**

Qualifying foundation in CA/ICSI/CMA / etc.

**CA/ICSI/CMA(Inter)**

Qualifying Inter in CA/ICSI/CMA / etc.

**Sports and Games**

Students can earn extra credit based on their achievements in sports in University/ State / National/ International levels.

**Publications / Conference Presentations (Oral/Poster)**

Research Publications in Journals  
oral/poster presentation in Conference

**Lab on Project (LoP)**

To promote the undergraduate research among all the students, the LoP is introduced beyond their regular class hours. LoP is introduced as group project consisting of not more than five members. It consist of four stages namely Literature collection, Identification of Research area, Execution of research and Reporting / Publication of research reports/ product developments. These four stages spread over from III to IV semester.

(Evaluation will be done internally)

**Innovation/ Incubation/ Patent/ Sponsored Projects/ Consultancy**

Development of model/ Products /Prototype /Process/App/Registration of Patents/ Copyrights/Trademarks/Sponsored Projects /Consultancy

**Representation in State/ National level celebrations**

State / National level celebrations such as Independence day, Republic day Parade, National Integration camp.

**Awards/Recognitions/Fellowships**

Regional/ State / National level awards/ Recognitions/Fellowships



## GUIDELINES

### 100 % CIA Courses:

- AECC
- AEEC

S.No	Type of Course
1	Environmental Studies (AECC)
2	Human Rights and Women's Rights, Basic Tamil / Advanced Tamil (AECC)
3	Innovation & IPR/ Innovation, IPR and Entrepreneurship (AECC)
4	Generic Elective (AEEC)

### Modalities for Implementing Internal Assessment Marks:

- Student pertaining to 2023 Batch (2023-26) UG programme for the above mentioned courses shall secure a minimum of 40% out of the maximum marks in the continuous internal assessment (CIA) i.e., 20 marks out of 50 marks.
- Students who have not acquired the minimum marks shall be allowed to reappear to improve their marks in the exam components only within the time duration of the programme, in the forthcoming semesters.

### Distribution of Internal Marks for AECC & AEEC

S.No.	Particulars	Distribution of Marks
1	CIA I (2.5 Units) (On completion of 45th working day)	15
2	Model ( All 5 Units) (On completion of 85th working day)	15
3	Assignment	05
4	Attendance	05
5	Library Usage	05
6	Skill Enhancement *	05
<b>Total</b>		<b>50</b>



**Distribution of Internal Marks for Generic Elective (AEEC) (Practical)**

S.No.	Particulars	Distribution of Marks
1	CIA -I (1-5 Exercise)	5
2	CIA-II (6-10 Exercise)	5
3	Class Participation	10
4	Practical Record	10
5	Test-III & Viva -Voce(10+10)	20
<b>Total</b>		<b>50</b>

**Question paper pattern AECC & AEEC**

Test	MARKS	DESCRIPTION	TOTAL	Remarks
CIA Test I 1 Hour First 2.5 Units	50 x 1 = 50 Marks	MCQ	50 Marks	Marks secured will be Converted to 15 marks
CIA test II/ Model test 1 Hour All five Units	50 x 1 = 50 Marks	MCQ	50 Marks	Marks secured will be Converted to 15 marks

Question paper pattern		Total Marks - 50	
<u>Basic Tamil</u>		<u>Advanced Tamil</u>	
Section -A		Section -A	
Choose the correct answer	10x2=20	Choose the correct answer	10x1=10
Section -B		Section -B	
True or false	10x2=20	Fill in the blanks	10x2=20
Section -C		Section -C	
Answer in one page	1x10=10	Write an essay in two pages	2x10=20





**Question paper pattern for all other courses falling under Part I to Part III**

**CIA I : [1 1/2 Hours-2.5 Units] - 25 Marks**

SECTION	MARKS	DESCRIPTION	TOTAL	Remarks
Section - A	8 x 0.5 = 04 Mark	MCQ	25 Mark	Marks secured will be converted To 5 mark
Section - B	3 x 3 = 09 Mark	Answer ALL Questions Either or Type ALL Questions Carry Equal Marks		
Section - C	2 x 6 = 12 Mark			

**CIA II /Model: [3 Hours-5 Units] - 75 Mark**

SECTION	MARKS	DESCRIPTION	TOTAL	Remarks
Section - A	10 x 1 = 10 Mark	MCQ	75 Mark	Marks secured will be converted To 5 mark
Section - B	5 x 5 = 25 Mark	Answer ALL Questions (Either or Type Questions) Each Questions Carry Equal Mark		
Section - C	5 x 8 = 40 Mark			

**End Semester Examination: [3 Hours-5 Units] - 75 Mark**

SECTION	MARKS	DESCRIPTION	TOTAL
Section - A	10 x 1 = 10 Mark	MCQ	75 Mark
Section - B	5 x 5 = 25 Mark	Answer ALL Questions (Either or Type Questions) Each Questions Carry Equal Mark	
Section - C	5 x 8 = 40 Mark		



Course Code	Course Name	Category	L	T	P	Credit
231TL1A1TA	TAMIL - I	LANGUAGE- I	4	1	-	03

### PREAMBLE

This course has been designed for students to learn and understand

- மொழிப்பாடங்களின் வாயிலாக தமிழரின் பண்பாடு நாகரீகம், பகுத்தறிவு ஆகியவற்றை அறியச் செய்தல்
- கலை மற்றும் மரபுகளை அறியச் செய்தல்
- மாணவர்களின் படைப்பாக்கத்திறன்களை ஊக்குவித்தல்

### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	வாழ்க்கைத் திறன்கள் (Life Skills)- மாணவர்களின் செயலாக்கத் திறனை ஊக்குவித்தல்	K3
CO2	மதிப்புக்கல்வி (Attitude and Value education)	K4
CO3	பாட இணைச்செயல்பாடுகள் (Co-curricular activities)	K4
CO4	சூழலியல் ஆக்கம் (Ecology)	K4
CO5	மொழி அறிவு (Tamil knowledge)	K5

### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1		✓	✓		✓
CO2	✓			✓	
CO3		✓			✓
CO4			✓		
CO5	✓			✓	✓

### COURSE FOCUSES ON

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input checked="" type="checkbox"/>	Intellectual Property Rights	<input checked="" type="checkbox"/>	Gender Sensitization
<input checked="" type="checkbox"/>	Social Awareness/ Environment	<input checked="" type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



231TL1A1TA	TAMIL - I	SEMESTER I
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Total Credits: 3

Total Instruction Hours: 60 h

### Syllabus

#### Unit I மறுமலர்ச்சிக் கவிதைகள் 13 h

1. இலக்கிய வரலாறு - மறுமலர்ச்சிக் கவிஞர்களின் தமிழ்ப்பணிகள்
2. பாரததேசம் - பாரதியார்
3. படி - பாரதிதாசன்
4. தமிழரின் பெருமை - நாமக்கல் கவிஞர்
5. தமிழ்க் கொலை புரியாதீர் - புலவர் குழந்தை
6. திரைத்தமிழ்
  - அ) 'விஞ்ஞானத்த வளர்க்கப் போறண்டி' எனத் தொடங்கும் பாடல் - உடுமலை நாராயண கவி
  - ஆ) 'சும்மா கிடந்த நிலத்தை' எனத் தொடங்கும் பாடல் - பட்டுக்கோட்டை கல்யாண சுந்தரனார்
  - இ) 'சமரசம் உலாவும் இடமே' எனத் தொடங்கும் பாடல் - மருதகாசி
  - ஈ) 'உன்னை அறிந்தால்' எனத் தொடங்கும் பாடல் - கண்ணதாசன்

#### Unit II புதுக்கவிதைகள் 13 h

1. இலக்கிய வரலாறு - புதுக்கவிதையின் தோற்றமும் வளர்ச்சியும்
2. கடமையைச் செய் - மீரா
3. மலையாளக் காற்று - சிற்பி
4. ஒப்பிலாத சமுதாயம் - அப்துல் ரகுமான்
5. கன்னிமாடம் - மு.மேத்தா
6. கரிக்கிறது தாய்ப்பால் - ஆரூர் தமிழ்நாடன்
7. ஐந்தாம் வகுப்பு 'அ' பிரிவு - நா. முத்துக்குமார்
8. ஹைகூ கவிதைகள் - 10 கவிதைகள்

#### Unit III பெண்ணியம் 09 h

1. தொலைந்து போனேன் - தாமரை
2. நீரில் அலையும் முகம் - அ. வெண்ணிலா
3. தற்காத்தல் - பொன்மணி வைரமுத்து
4. ஏனிந்த வித்தியாசங்கள்? - மல்லிகா
5. புதையுண்ட வாழ்க்கை - சுகந்தி சுப்ரமணியன்



**Unit IV சிறுகதைகள்**

15 h

1. இலக்கிய வரலாறு - சிறுகதையின் தோற்றமும் வளர்ச்சியும்
2. கனகாம்பரம் - கு.ப.ராஜகோபாலன்
3. ஆற்றங்கரைப் பிள்ளையார் - புதுமைப்பித்தன்
4. பொம்மை - ஜெயகாந்தன்
5. காய்ச்சமரம் - கி. ராஜநாராயணன்
6. காட்டில் ஒருமான் - அம்பை
7. வேட்கை - சூர்யகாந்தன்

**Unit V பயிற்சிப் பகுதி**

10 h

**அ. இலக்கணம்**

1. வல்லின ஒற்று மிகும், மிகா இடங்கள் - ஒற்றுப்பிழை நீக்கி எழுதுதல்
2. ர,ற-ல,ழ,ள - ண,ந,ன வேறுபாடு - ஒலிப்பு நெறி, சொற்பொருள் வேறுபாடு அறிதல்)

**ஆ. படைப்பாக்கம்**

1. கவிதை - எழுதுதல் (15 வரிகள் முதல் 30 வரிகள் வரை)
2. சிறுகதை - எழுதுதல் (குறைந்தது 3 பக்கங்கள்)

**Text Book**

தமிழ் மொழிப்பாடம் - 2022-2023, தொகுப்பு: தமிழ்த்துறை, டாக்டர் என்.ஜி.பி.

- 1 கலை அறிவியல் கல்லூரி, கோயம்புத்தூர் - 641048, வெளியீடு: நியூ செஞ்சுரி புக் ஹவுஸ், சென்னை - 600 098.

**References**

- 1 பேராசிரியர் புலவர் சோம. இளவரசு , எட்டாம் பதிப்பு - 2014, தமிழ் இலக்கிய வரலாறு - மணிவாசகர் பதிப்பகம், சென்னை - 600 108.
- 2 பேராசிரியர் முனைவர் பாக்கியமேரி , முதற் பதிப்பு - 2013 , இலக்கணம் - இலக்கிய வரலாறு - மொழித்திறன் - பூவேந்தன் பதிப்பகம், சென்னை-600 004.
- 3 இணையதள முகவரி: <https://www.tamilvu.org>



Course Code	Course Name	Category	L	T	P	Credit
231TTL1A1HA	HINDI-I	LANGUAGE-1	4	1	-	3

### PREAMBLE

This course has been designed for students to learn and understand

- The writing ability and develop reading skill
- The various concepts and techniques for criticizing literature
- The techniques for expansion of ideas and translation process

### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Learn the fundamentals of novels and stories	K1
CO2	Understand the principles of translation work	K2
CO3	Expose the knowledge writing critical views on fiction	K2
CO4	Build creative ability	K3
CO5	Apply the power of creative reading	K3

### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	✓			✓	✓
CO2		✓			✓
CO3				✓	
CO4	✓		✓		
CO5		✓	✓		✓

### COURSE FOCUSES ON

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input checked="" type="checkbox"/>	Intellectual Property Rights	<input checked="" type="checkbox"/>	Gender Sensitization
<input checked="" type="checkbox"/>	Social Awareness/ Environment	<input checked="" type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



231TL1A1HA	HINDI-I	SEMESTER I
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Total Credits: 3

Total Instruction Hours: 60 h

### Syllabus

Unit I 13 h

गद्य – नूतनगद्यसंग्रह(जयप्रकाश)पाठ 1- रजियापाठ 2- मक्रीलपाठ 3- बहतापानीनिर्मला  
पाठ 4- राष्ट्रपितामहात्मागाँधी

Unit II 13 h

कहानीकुंज- डॉ.वी.पी. 'अमिताभ'(पाठ 1-4)

Unit III 12 h

व्याकरण : शब्दविचार ( संज्ञा, सर्वनाम,विशेषण)

Unit IV 12 h

अनुच्छेद लेखन

Unit V 10 h

अनुवाद अभ्यास-III (केवल अंग्रेजी से हिन्दी में) (पाठ 1 to 10)

### Text Books

- 1 प्रकाशक: सुमित्रप्रकाशन 204 लीलाअपार्टमेंट्स, 15 हेस्टिंग्सरोड अशोकनगरइलाहाबाद-211001
- 2 प्रकाशक: गोविन्दप्रकाशनसदरबाजार, मथुराउत्तरप्रदेश-281001
- 3 पुस्तक: व्याकरण प्रदिप - रामदेवप्रकाशक: हिन्दी भवन 36 टेगोर नगर इलाहाबाद-211024
- 4 पुस्तक: व्याकरण प्रदिप - रामदेवप्रकाशक: हिन्दी भवन 36 इलाहाबाद-211024
- 5 प्रकाशक: दक्षिण भारत प्रचार सभा चेन्नई -17



Course Code	Course Name	Category	L	T	P	Credit
231TL1A1MA	MALAYALAM- I	LANGUAGE - I	4	1	-	3

#### PREAMBLE

This course has been designed for students to learn and understand

- The writing ability and develop reading skill
- The various concepts and techniques for criticizing literature, to learn the techniques for expansion of ideas and translation process
- The competency in translating simple Malayalam sentences into English and vice versa

#### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Learn the fundamentals of novels and stories	K1
CO2	Understand the principles of translation work	K2
CO3	Expose the knowledge writing critical views on fiction	K2
CO4	Apply creative ability	K3
CO5	Build the power of creative reading	K3

#### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	✓			✓	✓
CO2					✓
CO3		✓	✓		
CO4	✓			✓	
CO5		✓			✓

#### COURSE FOCUSES ON

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input checked="" type="checkbox"/>	Intellectual Property Rights	<input checked="" type="checkbox"/>	Gender Sensitization
<input checked="" type="checkbox"/>	Social Awareness/ Environment	<input checked="" type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



231TL1A1MA	MALAYALAM - I	SEMESTER I
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Total Credits: 3

Total Instruction Hours: 60 h

### Syllabus

<b>Unit I</b>	<b>Novel</b>	14 h
	Pathummayude Adu	
<b>Unit II</b>	<b>Novel</b>	10 h
	Pathummayude Adu	
<b>Unit III</b>	<b>Short Story</b>	14 h
	Nalinakanthi	
<b>Unit IV</b>	<b>Short Story</b>	10 h
	Nalinakanthi	
<b>Unit V</b>	<b>Practical Application</b>	12 h
	Expansion of ideas, General Essay and Translation	

### Text Books

- 1 Vaikkam Muhammed Basheer, "Pathummayude Adu" (NOVEL), DC Books & Kottayam
- 2 T.Padmanabhan, "Nalinakanthi" (Short Story), DC Books & Kottayam.

### References

- 1 Malayala Novel Sahithyam.
- 2 Malayala Cherukatha Innale Innu.





Course Code	Course Name	Category	L	T	P	Credit
231TL1A1FA	FRENCH - I	LANGUAGE - I	4	1	-	3

### PREAMBLE

This course has been designed for students to learn and understand

- The competence in general communication skills with oral, written and comprehension & expression
- The culture, life style and the civilization aspects of the French people as well as of France
- The students to acquire competency in translating simple French sentences into English and vice versa

### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Learn the Basic verbs, numbers and accents	K1
CO2	Apply the adjectives and the classroom environment in France	K2
CO3	Select the Plural, Articles and the Hobbies	K2
CO4	Measure the Cultural Activity in France	K3
CO5	Evaluate the sentiments, life style of the French people and the usage of the conditional tense	K3

### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	✓				✓
CO2					✓
CO3					
CO4	✓		✓		✓
CO5	✓		✓		

### COURSE FOCUSES ON

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input checked="" type="checkbox"/>	Intellectual Property Rights	<input checked="" type="checkbox"/>	Gender Sensitization
<input checked="" type="checkbox"/>	Social Awareness/ Environment	<input checked="" type="checkbox"/>	Constitutional Rights/Human Values/Ethics



231TL1A1FA	FRENCH - I	SEMESTER I
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Total Credits: 3

Total Instruction Hours: 60 h

## Syllabus

## Unit I Salut I Page 10

12 h

Objectifs de Communication	Tâche	Activités de réception et de production orale
<ul style="list-style-type: none"> <li>• Saluer</li> <li>• Enter en contact avec quelqu'un.</li> <li>• Se présenter.</li> <li>• S'excuser</li> </ul>	En cours de cuisine, premiers contacts avec les membres d'un groupe	<ul style="list-style-type: none"> <li>• Comprendre des personnes qui se saluent.</li> <li>• Échanger pour entrer en contact, se présenter, saluer, s'excuser.</li> <li>• Communiquer avec <i>tu</i> ou <i>vous</i>.</li> <li>• Comprendre les consignes de classe</li> <li>• Épeler son nom et son prénom.</li> </ul> Computer jusqu'à 10.

## Unit II Enchanté I Page 20

12 h

Objectifs de Communication	Tâche	Activités de réception et de production orale
<ul style="list-style-type: none"> <li>• Demander de se présenter.</li> <li>• Présenter quelqu'un.</li> </ul>	Dans la classe de français, se présenter et remplir une fiche pour le professeur.	<ul style="list-style-type: none"> <li>• Comprendre les informations essentielles dans un échange en milieu professionnel.</li> <li>• Échanger pour se présenter et présenter quelqu'un.</li> </ul>

## Unit III J'adore I Page 30

12 h

Objectifs de Communication	Tâche	Activités de réception et de production orale
<ul style="list-style-type: none"> <li>• Exprimer ses goûts.</li> </ul>	Dans un café, participer à une soirée de rencontres rapides et remplir de taches d'appréciation	<ul style="list-style-type: none"> <li>• Dans une soirée de rencontres rapid comprendre des personnes qui échangent sur elles et sur leurs goût</li> <li>• Comprendre une personne qui parler des goûts de quelqu'un d'autre</li> </ul>



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## Unit IV J'adore I Page 30

14 h

Objectifs de Communication	Tâche	Activités de réception et de production orale
<ul style="list-style-type: none"> <li>Présenter quelqu'un</li> </ul>	Dans un café, participer à une soirée de rencontres rapides et remplir de taches d'appréciation	<ul style="list-style-type: none"> <li>Exprimer ses goûts</li> <li>Comprendre une demande laissée sur un répondeur téléphonique.</li> <li>Parler de ses projets de week-end</li> </ul>
Autoévaluation du module I Page 40 – Préparation au DELF A1 page 42		
Demander à quelqu'un de faire quelque chose. Demander poliment. Parler d'actions passées. Tu veux bien?	Organiser un programme d'activités pour accueillir une personne importante	Comprendre une personne demande un service à quelqu'un. Demander à quelqu'un de faire quelque chose. Imaginer et raconter au passé à partir de situations dessinées.

## Unit V Practical Application

10 h

Make in Own Sentences

## Text Book

- 1 Regine Merieux, Yves Loiseau. 2012. LATITUDES – 1: Méthode de français (Page No: 9-55) Les Editions Dider, Paris, Imprime en Roumanie par Canale en Janvier



Course Code	Course Name	Category	L	T	P	Credit
231EL1A1EA	ENGLISH - I	LANGUAGE- II	4	-	1	3

#### PREAMBLE

This course has been designed for students to learn and understand

- the effect of dialogue, imagery and varied genres
- any spontaneous spoken discourse and respond to them with proper sentence structure
- the transactional concept of English language

#### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Identify the various aspects in poetry	K2
CO2	Infer linguistic and non-linguistic features of the context for understanding and interpreting	K3
CO3	Construct sentences and convey messages effectively in real life situations	K3
CO4	Apply different reading strategies with varying speed	K3
CO5	Prepare modules with their own ideas and present them coherently in a grammatically correct form	K3

#### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	✓		✓	✓	✓
CO2		✓			✓
CO3	✓	✓		✓	
CO4			✓		
CO5	✓	✓			✓

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input checked="" type="checkbox"/>	Intellectual Property Rights	<input checked="" type="checkbox"/>	Gender Sensitization
<input checked="" type="checkbox"/>	Social Awareness/ Environment	<input checked="" type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



231EL1A1EA	ENGLISH- I	SEMESTER I
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Total Credits: 3

Total Instruction Hours: 60 h

### Syllabus

#### Unit I      Genre Studies 12 h

Nissim Ezekiel: The Worm- Author's Biography- title indications- outline- paraphrasing the poem- context of poem- form- poetic devices- enjambment- techniques- Annotations

Niyi Osundare: Our Earth Will Not Die- Author's Biography- title indications- outline- paraphrasing the poem- context of poem- form- poetic devices- enjambment- techniques- Annotations

A. G. Gardiner: On Superstitions- Author's biography- Narrative structure- Exploration of the text- passage analysis- insight of ideas- cohesion and context- style- language techniques- Annotation

Nancy Bella: Clever Thief- Author's Biography- Plot Summary- Detailed summary and Analysis- Themes- Important Quotations- Characters- Description - analysis- Terms- Symbols- Critical analysis

H. G. Wells: The Truth about Pyecraft- Author's Biography- narrative structure- passage analysis- insight of ideas- cohesion and context- style- language techniques

#### Unit II      Listening Skills 12 h

Listening vs. hearing- Types of listening, Tips to enhance Listening Skills, Non-verbal and Verbal signs of active listening - Comprehensive Listening - Listening to pre-recorded audios on speeches, interviews and conversations - Listening Activities- Listening and responding to complaints (formal situation), Listening to problems and offering solutions (informal)

#### Unit III      Speaking Skills 14 h

Formal occasions- Introducing oneself, Introducing others, Enquiries and Seeking permission, Making short presentations- Informal occasions- Requests, Offering help, Congratulating, Farewell party, graduation speech- Giving instructions to do a task and to use a device, Giving and asking directions

#### Unit IV      Reading Skills 10 h

Study Skills: Skimming and Scanning- Reading different kinds of texts- Types of reading- Developing a good reading speed, reading aloud, Referencing skill - Word



Power (Denotation and Connotation) - Reading comprehension, Data interpretation  
-Charts, Graphs, Advertisements

**Unit V** Writing Skills 12 h

Sentence patterns, Note- making and note taking-Strategies - Paragraph writing:  
Structure and Principles - Academic Writing - Formal and Informal Letters, Report,  
Book /Movie Review

### Text Books

- 1 Gardiner, A. G. 1926. Alpha of the Plough: Second series, J.M. Dent & Sons Ltd., London, United Kingdom. pg.no-151-156. (Unit I)
- 2 Ezekiel, Nissim. "The Worm," Crazy Romantic Love, [www.mianmawaisarain.live/2020/05/poem-worm-nissim-ezekiel.html](http://www.mianmawaisarain.live/2020/05/poem-worm-nissim-ezekiel.html). Accessed 3 Aug. 2022. (Unit I)
- 3 < <http://livros01.livrosgratis.com.br/ln000835.pdf> /> (Unit I)
- 4 Mithra, S. M. 1919. Hindu Tales from the Sanskrit, Macmillan & Co Ltd., London, United Kingdom. pg.no-127-142. (Unit I)
- 5 Nation, I. S. P and Jonathan Newton. 2009. Teaching ESL/EFL Listening and Speaking. Routledge, New York, United States. (Unit II)
- 6 Prabha, Dr. R. Vithya & S. Nithya Devi. 2019. Sparkle. (1st Edn.) McGraw - Hill Education, Chennai, India. (Unit III- V)

### References

- 1 Our Earth Will Not Die By Niyi Osundare." Studocu.Com, [studocu.com/in/document/bangalore-university/bachelor-of-computer-applications/1586771577-our-earth-will-not-die/27675462](https://studocu.com/in/document/bangalore-university/bachelor-of-computer-applications/1586771577-our-earth-will-not-die/27675462). Accessed 3 Aug. 2022.
- 2 OnSuperstitions."THEHISTORIAN,thehistorian1947.wordpress.com/2019/03/08/on-superstitions-by-a-g-gardiner. Accessed 3 Aug. 2022.
- 3 Swales, John M. & Feak, Christine B. 2012. Academic Writing for Graduate Students: Essential Tasks and Skills, University of Michigan Press, Michigan, United States.
- 4 Rudzka, Brygida -Ostyn, 2003. Word Power: Phrasal Verbs and Compounds: A Cognitive Approach, Mouton de Gruyter, New York, United States.



Course Code	Course Name	Category	L	T	P	Credit
235PA1A1CA	FINANCIAL ACCOUNTING	CORE	5	1	-	4

**PREAMBLE**

This course has been designed for students to learn and understand

- the basic concepts of accounting, prepare the final accounts and methods of providing depreciation accounting.
- the recording transactions relating to bills, methods of preparation of account current and find out the average due date.
- the knowledge about accounting treatment in the books of the Consignor and Consignee and methods of recording sale or return transactions.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	understand the basic knowledge about Accounting and preparation of final accounts.	K2
CO2	know the methods of providing depreciation accounting.	K3
CO3	obtain the features of bill of exchange, promissory notes and recording transactions relating to bills.	K2
CO4	learn the knowledge about methods of preparation of account current and find out the average due date.	K3
CO5	acquire knowledge about accounting treatments in the books of the consignor and consignee and methods of recording sale or return transactions.	K3

**MAPPING WITH PROGRAMME OUTCOMES**

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	✓				✓
CO2	✓				✓
CO3	✓				✓
CO4	✓				✓
CO5	✓				✓

**COURSE FOCUS ON**

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input type="checkbox"/>	Intellectual Property Rights	<input type="checkbox"/>	Gender Sensitization
<input type="checkbox"/>	Social Awareness/ Environment	<input type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



235PA1A1CA	FINANCIAL ACCOUNTING	SEMESTER I
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Total Credits: 4

Total Instruction Hours: 72 h

### Syllabus

**Unit I** Introduction to Accounting and Final Accounts 14 h

Accounting Definition - Objectives - Functions - Advantages - Limitations - Types of Accounts - Basis of Accounting - Accounting Principles: Accounting Concepts and Conventions - Journal - Ledger - Subsidiary books - Trial balance. Final Accounts: Introduction - Trading Account, Profit and Loss Account, Balance sheet with adjustments.

Case Study on Accounting Concepts

**Unit II** Bank Reconciliation Statement and Depreciation 16 h

Bank Reconciliation Statement - Need - Preparation of Bank Reconciliation Statement. Meaning and Definition of Depreciation - Characteristics - Causes - Need - Methods (Straight Line, Written Down, Annuity, Sinking Fund, Insurance Policy and Machine Hour Rate methods).

Case Study on Bank Reconciliation Statement

**Unit III** Bills of Exchange 15 h

Bills of Exchange - Definition - Features - Advantages - Types - Promissory Notes - Definition - Features - Distinction between Bills of Exchange and Promissory Notes - Recording transactions relating to bills - Retiring of bill under rebate - Dishonour of a Bill - Renewal of bills.

Case Study on Bills of Exchange

**Unit IV** Account Current and Average Due Date 12 h

Meaning of Account current - Definition - Methods: Product, Red-ink Interest, Interest table, Periodical balance and Epoque method. Meaning of Average due date - Uses - Accounting treatment - Calculation of Interest.

**Unit V** Accounting for Consignments and Goods Sent on Sale or Return Basis 15 h

Meaning of Consignment - Distinction between consignment and sale - Accounting treatment in the books of the Consignor and Consignee - Goods sent on consignment at cost and at Invoice price. Meaning of Sale or Return - Purpose - Methods of Recording Sale or Return Transactions.





Note: Distribution of Marks: 80% problems and 20% theory.

Case studies related to the above topics to be discussed (Examined internal only)

### Text Books

- 1 Reddy,T.S. and Murthy,A. 2016. Advanced Accountancy [Second Revised Edition]. Margham Publications, Chennai.
- 2 Jain,S.P., and Narang,K.L 2019, Advanced Accountancy - Principles of Accounting Including GST Volume I [Twentieth Revised Edition]. Kalyani Publishers, New Delhi.

### References

- 1 Shukla M.C Grewal T.S Gupta S.C. 2016. Advanced Accounts Volume I [Nineteenth Edition]. S.Chand & Company Pvt Ltd, New Delhi.
- 2 Hanif., and Mukherjee, 2015. Modern Accountancy, (Volume I) [Second Edition]. Tata Mcgraw Hill Publishing Co.Ltd., Chennai.
- 3 Arulandam. M.A and Ramaan.K.S, 2014. Advanced Accountancy. [Revised Edition]. Himalaya Publishing House, Mumbai.
- 4 Pillai. R.S.N and Bagavathi, Uma.S. 2012. Fundamentals of Advanced Accounting (Volume I). [Third Revised Edition]. Sultan Chand & Company Ltd, New Delhi.



Course Code	Course Name	Category	L	T	P	Credit
235CI1A1CA	PRINCIPLES OF MANAGEMENT	CORE	4	-	-	4

### PREAMBLE

This course has been designed for students to learn and understand

- the basic principles and elements of effective management.
- the managerial actions of planning, organizing and motivation.
- the leadership qualities and effective controlling.

### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	integrate the management principles into management practices.	K2
CO2	understand the planning and decision-making process in the organization.	K2
CO3	assess the organisational practices through proper delegation of authority and responsibility	K2
CO4	describe the recruitment process, motivational theory and leadership styles in the practice of management.	K2
CO5	understand the techniques of direction and control to summarize the report.	K3

### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1		✓			✓
CO2		✓		✓	✓
CO3		✓			✓
CO4		✓	✓		✓
CO5		✓	✓	✓	✓

### COURSE FOCUSES ON

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability		Innovations
	Intellectual Property Rights		Gender Sensitization
✓	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics



235CI1A1CA	PRINCIPLES OF MANAGEMENT	SEMESTER I
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Total Credits: 4

Total Instruction Hours: 48 h

### Syllabus

**Unit I** Introduction to Management 10 h

Definition – Nature and Scope - Importance –Functions of Management – Management as an Art, Science and Profession – Scientific Management – Fayol’s Principles of Management – Management By Objectives (MBO) – Management By Exception (MBE)- Organization culture and Environment – Current trends and issues in Management.

Case Study on Management by Objectives

**Unit II** Planning 10 h

Definition – Nature – Objectives – Advantages and Disadvantages – Process – Types – Decision Making – Traditional and Modern Techniques – Steps involved in Decision Making- Rational Decision Making.

Case Study on Decision Making

**Unit III** Organization 10 h

Definition – Principles – Types – Importance –Elements of Organisation Process – Line & Staff- Overcoming Line-staff conflict, Committees, Organization Structures, Types, Advantages & Disadvantages. Directing – meaning & Definition – Principles- Techniques – Importance -Delegation – Process of Delegations-Barriers to Delegation, Span of Control – Centralization & Decentralization – Departmentation.

**Unit IV** Staffing 9 h

Meaning and Definition – Functions – Recruitment – Sources of Recruitment – Training- Performance Appraisal – 360 Degree Appraisal Method – Assessment Center Method- Motivation – Importance of Motivation – Maslow’s Theory of Motivation – X, Y and Z Theories (McGregor Theory & William Ouchi Theory)- Goal Setting theory – Leadership – Types – Qualities of a Good Leader- Leadership styles- Group decision making.

Case Study on Leadership Style

**Unit V** Controlling and Reporting 9 h

Meaning and Definition – Need and Significance of control – Process of Controlling – Types of control –Managing Productivity – Cost Control – Purchase Control – Maintenance Control – Quality Control – Co-ordination – Need – Techniques – Reporting – meaning & Definition – Principles – Techniques – Importance.

Note: Case study Examined internal only



**Text Books**

- 1 DinkarPagare ,2018, "Principles of Management", Sixth Edition, Sultan Chand & Sons, New Delhi.
- 2 RamaswamyT, 2019, "Principles of Management", Eleventh Edition, Himalaya Publishing Home Pvt Ltd, Mumbai

**References**

- 1 Govindarajan. M., 2019. "Principles of Management", Ninth Edition, PHI Publications, New Delhi.
- 2 Prasad L.M., 2015, "Principles and Practice of Management", Eighth Edition, Sultan Chand & Sons, New Delhi
- 3 Tripathi P C&ReddyP N, 2017, "Principles of Management", Sixteenth Edition, McGraw Hill Education and New Delhi.
- 4 Mitra J.K, 2017, "Principles of Management", First Edition, Oxford University Press.



235IB1A1CP	SPREADSHEET MODELING FOR BUSINESS	SEMESTER I
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**Total Credits:** 2

**Total Instructions Hours:** 48 h

S.No	Contents
1	Enter the data and Perform the following functions : Change font as bold , Arrange the alignment, Rename the sheet ,Insert a new sheet, Move a sheet, Delete a sheet ,Hide/Unhide Column , Change Column Width
2	Understand how to protect the data, password for workbook, unblocking Cells and prepare Date and Time functions
3	Create a student database and Perform the following Functions: Use cut, copy, paste, use cell widening, use format painter, use font, colour, borders, use wrap text, Use merge cells, Use Numbers, date and currency as format
4	Use ranges and selecting ranges ,ranged data entry, naming ranges, moving to a named range, using named ranges in formulas
5	Create charts and apply chart layouts and styles, Move charts to a chart sheet
6	Apply Conditional formatting and finding cells with conditional formatting and clearing conditional formatting
7	Enter the semester marks and calculate total auto-sum and average, Perform calculations by using MIN and MAX and IF function and COUNTIF function
8	Filter: Number and Text Filters, Date Filters, Advanced Filter, Data Form, custom auto filter, Outlining Data
9	Use IF combined with AND / OR function for the given data
10	Use LEN and TRIM to organize and manipulate large amounts of data
11	Apply OFFSET combined with SUM or AVERAGE for the given data
12	Create 3D formulas ,3D formula syntax and creating 3D range references

**Note:** Out of 12 Programmes 10 is compulsory



Course Code	Course Name	Category	L	T	P	Credit
235CO1A1IA	BUSINESS ECONOMICS	IDC	4	-	-	4

**PREAMBLE**

This course has been designed for students to learn and understand

- the concept of demand and supply.
- cost and determine price.
- the integrate macroeconomic factors in business decision making.

**COURSE OUTCOMES**

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	identify the concept of demand and consider them in business decision making.	K2
CO2	associate cost and supply.	K2
CO3	respond to dynamic macroeconomic factors in business.	K3
CO4	infer the impact of monetary and fiscal policy on the firm.	K2
CO5	examine a firm's contribution to national income.	K3

**MAPPING WITH PROGRAMME OUTCOMES**

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1		✓			✓
CO2		✓			✓
CO3		✓			✓
CO4		✓			✓
CO5		✓			✓

**COURSE FOCUSES ON**

<input checked="" type="checkbox"/>	Skill Development	<input checked="" type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input checked="" type="checkbox"/>	Innovations
<input type="checkbox"/>	Intellectual Property Rights	<input type="checkbox"/>	Gender Sensitization
<input type="checkbox"/>	Social Awareness/ Environment	<input type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



235CO1A1IA	BUSINESS ECONOMICS	SEMESTER I
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**Total Credits: 4**

**Total Instruction Hours: 48 h**

### Syllabus

**Unit I Demand Analysis 8 h**

Business Economics: Meaning, Definition, Scope and Significance - Micro and Macroeconomics - Demand: Demand Determinants, Demand Schedules and Demand Curves - Law of Demand - Change in demand and Shift in demand - Types of Demand - Elasticity of Demand: Determinants, Types and Methods of Measuring Price Elasticity of Demand - Case study on Law of Demand and Supply.

**Unit II Cost, Supply and Business Cycle 9 h**

Cost of Production - Cost Concepts and its Types. Supply: Determinants of Supply and Law of Supply - Elasticity of Supply and Types of Elasticity of Supply - Business Cycle: Characteristics and Phases - Controlling Business Cycle.

**Unit III Price Analysis 10 h**

Price and Output Decisions in Perfect and Imperfect Market Competition - Legal Constraints in Pricing - Competition Act 2002 - History and Features - Producer Price Index (PPI). Inflation and Deflation: Meaning, Definition, Causes and Consequences - Consumer Price Index (CPI) - Inflation Rate.

**Unit IV Monetary and Fiscal Policy 9 h**

Monetary Policy: Meaning and Objectives - Limitations of Monetary Policy - Instruments of Monetary Policy - Monetary Policy Committee (MPC) - Demonetization: Merits and Demerits, History of Demonetization in India - Fiscal Policy: Meaning, Objectives, Instruments and Limitations - Case study analysis on Fiscal Policy.

**Unit V National Income 12 h**

National Income - Definition and Concepts: GDP, NDP, GNP, NNP, Personal Income (PI), Disposable Personal Income (DPI), Per Capita Income (PCI) and Transfer Payments. National Income Accounting - Methods of Computation - Difficulties in Computation of National Income - Case study on Gross Domestic Product (GDP).



Note: Case studies related to the above topics to be discussed (Examined internal only)

### Text Books

- 1 Sundharam .K.P.M. & Sundharan. E. N., 2020, "Business Economics", Sultan Chand and Sons, New Delhi.
- 2 Varshney. R. L and Maheswari. K .L, 2019, "Managerial Economics", Sultan Chand and Sons, New Delhi.

### References

- 1 Radha, 2021, "Business Economics", Prasanna Publishers and Distributers.
- 2 Sankaran. S., 2015, "Business Economics", Margham Publications, Chennai.
- 3 Ahuja. H. L., 2014, "Business Economics", S. Chand and Company Pvt. Ltd., New Delhi.
- 4 Manab Adhikary, 2010, "Business Economics", Excel Books, New Delhi.





Course Code	Course Name	Category	L	T	P	Credit
233MB1A1AA	ENVIRONMENTAL STUDIES	AECC	2	-	-	2

#### PREAMBLE

This course has been designed for students to learn and understand

- Multi disciplinary aspects of Environmental studies
- Importance to conserve the Biodiversity
- Causes of Pollution and its control

#### COURSE OUTCOMES

On the successful completion of the course, students will be able to

CO Number	CO Statement	Knowledge Level
CO1	Understand the importance of natural resources in order to conserve for the future.	K2
CO2	Infer on Natural resources and its conservation	K2
CO3	Apply the knowledge on Biodiversity and its conservation	K3
CO4	Relate effects, causes and control of air, water, soil and noise pollution etc.,	K2
CO5	Build awareness about sustainable development and Environmental protection	K2

#### MAPPING WITH PROGRAMME OUTCOMES

COs/POs	PO1	PO2	PO3	PO4	PO5
CO1	✓		✓		
CO2	✓		✓		
CO3	✓		✓		
CO4	✓		✓		
CO5	✓		✓		

#### COURSE FOCUSES ON

<input checked="" type="checkbox"/>	Skill Development	<input type="checkbox"/>	Entrepreneurial Development
<input checked="" type="checkbox"/>	Employability	<input type="checkbox"/>	Innovations
<input type="checkbox"/>	Intellectual Property Rights	<input type="checkbox"/>	Gender Sensitization
<input type="checkbox"/>	Social Awareness/ Environment	<input type="checkbox"/>	Constitutional Rights/ Human Values/ Ethics



233MB1A1AA	ENVIRONMENTAL STUDIES	SEMESTER I
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Total Credits: 2

Total Instruction Hours: 24 h

### Syllabus

**Unit I** Introduction to Environmental studies & Ecosystems 5 h

Introduction to Environmental studies & Ecosystems: Multidisciplinary nature of environmental studies; components of environment – atmosphere, hydrosphere, lithosphere and biosphere. Scope and importance; Concept of sustainability and sustainable development. Ecosystem- Structure and function of ecosystem; Energy flow in an ecosystem: food chain, food web and ecological succession.

**Unit II** Natural Resources: Renewable and Non-renewable Resources 5 h

Natural Resources: Renewable and Non-renewable Resources: Land Resources and land use change; Land degradation, soil erosion and desertification. Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations. Water: Use and overexploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state). Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs.

**Unit III** Biodiversity and Conservation 5 h

Biodiversity and Conservation: Levels of biological diversity: genetic, species and ecosystem diversity; Biogeography zones of India; Biodiversity patterns and global biodiversity hot spots. India as a mega-biodiversity nation; Endangered and endemic species of India. Threats to biodiversity: habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity: In-situ and Ex-situ conservation of biodiversity.

**Unit IV** Environmental Pollution, Environmental Policies & Practices 5 h

Environmental Pollution, Environmental Policies & Practices: Environmental pollution: types, causes, effects and controls; Air, water, soil, chemical and noise pollution. Nuclear hazards and human health risks. Solid waste management: Control measures of urban and industrial waste. Pollution case studies. Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture. Environment Laws: Environment Protection Act; Prevention & Control of Pollution Act – Air & Water. Wildlife Protection Act; Forest Conservation Act;



**Unit V** Human Communities and the Environment & Field Work 4 h

Human Communities and the Environment & Field Work: Human population and growth: Impacts on environment, human health and welfares. Environmental ethics: Role of Indian and other religions and cultures in environmental conservation. Environmental communication and public awareness. Visit to an area to document environmental assets; river/forest/flora/fauna, etc. Population explosion – Family Welfare Programmes. Role of Information Technology in Environment and human health. Role of the Colleges, Teachers and Students in village adoption towards clean, green and make in villages in various aspects.


**Text Books**

- 1 Carson, R. 2002. Silent Spring. Houghton Mifflin Harcourt.
- 2 Gadgil, M., & Guha, R. 1993. This Fissured Land: An Ecological History of India. Univ. of California Press.

**References**

- 1 Gleeson, B. and Low, N. (eds.) 1999. Global Ethics and Environment, London, Routledge
- 2 Gleick, P.H. 1993. Water in Crisis. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press
- 3 Groom, Martha J. Gary K. Meffe, and Carl Ronald carroll. Principles of Conservation Biology. Sunderland: Sinauer Associates, 2006
- 4 Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. Science, 339: 36-37.
- 5 McCully, P. 1996. Rivers no more: the environmental effects of dams (pp. 29-64). Zed Books
- 6 McNeil, John R. 2000. Something New Under the Sun: An Environmental History of the Twentieth Century
- 7 Odum, E.P., Odum, h.T. & Andrews, J. 1971. Fundamentals of Ecology. Philadelphia: Saunders.

  
SoS Chairman/HoD  
Department of Commerce (IB)  
Dr. N. G. P. Arts and Science College  
Coimbatore – 641 048

		
Dr. N.G.P. Arts and Science College		
<b>APPROVED</b>		
09/06/2023	AC - 14/07/2023	GB - 05/08/2023



Dr. NGPASC  
COIMBATORE | INDIA

*B.Com.IB (Students admitted during the AY 2023-24)*



Dr. / /	Dr. / /
Dr. / /	Dr. / /
Dr. / /	Dr. / /
Dr. / /	Dr. / /

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