

**2.6.2**

**ATTAINMENT OF  
PROGRAM OUTCOMES  
AND COURSE OUTCOMES**

### **2.6.2. Attainment of programme outcomes and course outcomes are evaluated by the institution**

The evaluation criteria differ according to prescribed Course Outcomes (CO). The Course Outcomes (CO) are mapped on to the Programme Outcomes (PO) in accordance to the university guidelines. By evaluating the student performance in internal examinations and university examinations an approximate measurement of the extent of successful implementation of programme outcome is computed.

CO Assessment methods include direct and indirect methods. Direct method includes the two internal examinations conducted by the college and the end semester examination. The questions in these exams are linked to the expected Course Outcome and overall attainment of that CO is based on an average mark.

1. **Internal Examinations** are conducted twice within a semester and they cover the evaluation of all the relevant COs attainment.
2. **End Semester Examination** conducted by Bengaluru North University is descriptive, and a metric for assessing whether all the COs are attained.

Post the examination results announcement by the university, the results are analysed by departments and later submitted to higher authority with suggestions for further improvement.

Indirect Methods include keeping a tab on: -

- Students' participation in extra-curricular and co-curricular activities
- The number of students enrolling for higher education
- The placement percentage of students

## COURSE OUTCOMES

### B.COM. SEMESTER I

#### KANNADA



Exam	Target Set		Number of students scored set target	Attainment %	Attainment level
Internal	>= 15	90%	108/108	100%	3
External	>= 25	65%	96/103	93.20%	3

#### GENERAL ENGLISH

Course Code	1.2
Core/Elective	Core
Course Outcomes (CO)	
On successful completion of this course, the learner will be able to	
CO1	Better literary and linguistic skills.
CO2	Enhance creativity and communicative skills.
CO3	The ability to understand different cultural contexts through literature.
CO4	Comprehend pieces of literature related to war, peace, sports, travel adventure, art and culture.
CO5	Improvise the language skills and practice in the areas of remedial grammar, reading comprehension, summarizing and paragraph writing.

  
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### CO-PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	-	3	2	3	3	2
CO2	-	-	3	2	3	3	2
CO3	-	-	2	2	3	3	2
CO4	-	-	2	2	3	3	2
CO5	-	-	3	2	3	3	2
Average	-	-	2.6	2	3	3	2

### Calculation of CO Attainment

Exam	Target Set		Number of students scored set target	Attainment %	Attainment level
Internal	>= 15	90%	202/202	100%	3
External	>= 25	65%	196/196	100%	3

### Course Attainment

20% of Internal Attainment level + 80% of External Attainment Level

$$0.2 \times 3 = 0.6 \quad + \quad 0.8 \times 3 = 2.40 = 3$$

### ADDITIONAL ENGLISH

At the end of the course the student will be able to

CO1	Better literary and linguistic skills
CO2	Enhance creativity and communicative skills
CO3	The ability to understand different cultural contexts through literature
CO4	Comprehend pieces of literature related to war, peace, sports, travel adventure, art and culture.
CO5	Improve the language skills and practice in the areas of remedial grammar, reading comprehension, summarizing and paragraph writing

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	-	-	1	3	3	3
CO2	-	-	-	1	3	3	3
CO3	-	-	-	1	3	3	3
CO4	-	-	-	1	3	3	3
CO5	-	-	-	1	3	3	3
Average	-	-	-	1	3	3	3

#### Calculation of CO Attainment

Exam	Target Set		No. of students scored set target	Attainment %	Attainment level
	>=15	90%			
Internal	>=15	90%	26/26	100%	3
External	>=25	65%	25/25	100%	3

#### Course Attainment

20% of Internal Attainment Level + 80% External Attainment level

$$0.2 \times 3 = 0.6 + 0.8 \times 3 = 2.4 = 3$$

#### CO – PSO MAPPING

	PSO1	PSO2
CO1	2	2
CO2	2	2
CO3	2	2
CO4	2	2
CO5	2	2

**COURSE OUTCOME**

**I BBA**

**KANNADA**

**COURSE CODE: 1.1**

CO1	Understand their social and personal responsibility from a novel by eminent writer
CO2	Communicate effectively in oral and written Kannada communication and develop better comprehension skills.
CO3	Students will be able to create awareness of societal issues by doing skits, beedi nataka role play etc. among other citizens
CO4	Inculcate moral values and ethics as a member and leader in the team.
CO5	Can be a creative writer, innovative thinker, good narrator, critic etc according to their choice.

Exam	Target Set		Number of students scored set target	Attainment %	Attainment level
Internal	>= 15	90%	82/82	100%	3
External	>= 25	65%	75/80	94%	3

**ENGLISH**

**COURSE CODE: 1.2**

CO1	Ability to analyze and develop solutions to various business problems by applying managerial knowledge for effective decision making.
CO2	Attainment calculation for General English
CO3	Develop strong competency to sustain in competitive environment.

Exam	Target Set		Number of students scored set target	Attainment %	Attainment level
Internal	>= 15	90%	200/200	100%	3
External	>= 25	65%	194/194	100%	3

  
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## ADDITIONAL ENGLISH

### COURSE CODE: 1.1

At the end of the course the student will be able to

CO1	Better literary and linguistic skills
CO2	Enhance creativity and communicative skills
CO3	The ability to understand different cultural contexts through literature
CO4	Comprehend pieces of literature related to war, peace, sports, travel adventure, art and culture.
CO5	Improve the language skills and practice in the areas of remedial grammar, reading comprehension, summarizing and paragraph writing

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	-	-	1	3	3	3
CO2	-	-	-	1	3	3	3
CO3	-	-	-	1	3	3	3
CO4	-	-	-	1	3	3	3
CO5	-	-	-	1	3	3	3
Average	-	-	-	1	3	3	3

### Calculation of CO Attainment

Exam	Target Set		No. of students scored set target	Attainment %	Attainment level
	>=15	90%			
Internal	>=15	90%	38/38	100%	3
External	>=25	65%	34/35	99%	3

### Course Attainment

20% of Internal Attainment Level + 80% External Attainment level

$$0.2 \times 3 = 0.6 + 0.8 \times 3 = 2.4 = 3$$

### CO – PSO MAPPING

	PSO1	PSO2
CO1	2	2
CO2	2	2
CO3	2	2
CO4	2	2
CO5	2	2

## ADDITIONAL ENGLISH

### COURSE CODE: 1.1

At the end of the course the student will be able to

CO1	Better literary and linguistic skills
CO2	Enhance creativity and communicative skills
CO3	The ability to understand different cultural contexts through literature
CO4	Comprehend pieces of literature related to war, peace, sports, travel adventure, art and culture.
CO5	Improve the language skills and practice in the areas of remedial grammar, reading comprehension, summarizing and paragraph writing

	PO1	PO2	PO3	PO4	PO5	PO6	PO7
CO1	-	-	-	1	3	3	3
CO2	-	-	-	1	3	3	3
CO3	-	-	-	1	3	3	3
CO4	-	-	-	1	3	3	3
CO5	-	-	-	1	3	3	3
Average	-	-	-	1	3	3	3

### Calculation of CO Attainment

Exam	Target Set		No. of students scored set target	Attainment %	Attainment level
	>=15	90%			
Internal	>=15	90%	38/38	100%	3
External	>=25	65%	34/35	99%	3

### Course Attainment

20% of Internal Attainment Level + 80% External Attainment level

$$0.2 \times 3 = 0.6 + 0.8 \times 3 = 2.4 = 3$$

### CO – PSO MAPPING

	PSO1	PSO2
CO1	2	2
CO2	2	2
CO3	2	2
CO4	2	2
CO5	2	2



## MANAGEMENT PRINCIPLES AND PRACTICES

### COURSE CODE: 1.1

At the end of the course the student will be able to

CO1	The ability to understand concepts of business management, principles and functions of management
CO2	The ability to explain the process of planning and decision making
CO3	The ability to create organization structures based on authority, task and responsibilities and understand organizational behavior, avoid conflicts, accept change and work in groups
CO4	The ability to explain the principles of direction, importance of communication, barrier of communication, motivation theories and leadership styles
CO5	The ability to understand the requirement of good control system and control techniques

Exam	Target Set		Number of students scored set target	Attainment %	Attainment level
Internal	>= 15	90%	200/200	100%	3
External	>= 25	65%	170/188	90%	3

## FUNDAMENTALS OF BUSINESS ACCOUNTING

### COURSE CODE: 1.2

At the end of the course the student will be able to

CO1	Understand the framework of accounting as well accounting standards
CO2	The Ability to pass journal entries and prepare ledger accounts
CO3	The Ability to prepare subsidiaries books
CO4	The Ability to prepare trial balance and final accounts of proprietary concern
CO5	Construct final accounts through application of tall

Exam	Target Set		Number of students scored set target	Attainment %	Attainment level
Internal	>= 15	90%	200/200	100%	3
External	>= 25	65%	189/194	97%	3

**COURSE OUTCOME**

**MCOM**

**SEMESTER I**

**MONETARY SYSTEM**

<b>Course Code</b>	1.1
<b>Core/Elective</b>	Core
<b>Course Outcomes (CO)</b>	
On successful completion of this course, the learner will be able to	
<b>CO1</b>	Various financial institutions- financial and capital markets
<b>CO2</b>	Money- volume of supply-significance
<b>CO3</b>	Methods of note issue
<b>CO4</b>	Theories of money
<b>CO5</b>	The learner obtains knowledge on how money supply cause inflation or impact of money supply on price level and acquires knowledge on factor pricing, control on volume of money supply, understanding role of financial institutions in business credit

	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>
<b>CO1</b>	3	3	3	3	3	2	3
<b>CO2</b>	3	2	1	2	1	1	2
<b>CO3</b>	3	2	1	2	1	1	3
<b>CO4</b>	3	1	1	2	1	1	1
<b>CO5</b>	3	3	3	3	3	2	3
<b>Average</b>	3	2.2	1.8	2.4	1.8	1.4	2.4

### Calculation of CO Attainment

Exam	Target Set		Number of students scored target	Attainment %	Attainment level
Internal	>= 15	90%	18/18	100%	3
External	>= 25	65%	18/18	100%	3

### Course Attainment

20% of Internal Attainment level + 80% of External Attainment Level

$$0.2 \times 3 = 0.6 \quad + \quad 0.8 \times 3 = 2.40 = 3$$

### INTERNATIONAL BUSINESS

Course Code	1.2
Core/Elective	Core
Course Outcomes (CO)	
On successful completion of this course, the learner will be able to	
CO1	To inform evolution of international business
CO2	To understand causes of globalization
CO3	Provide impact of global business on Indian economy
CO4	It provides knowledge on theories of foreign trade
CO5	Understand theories of foreign trade, foreign capital flow and its trends



# NEW HORIZON COLLEGE

MARATHAHALLI

Permanently Affiliated to Bangalore North University  
Recognized by the Govt. of Karnataka Recognized under section 2 (F) of the UGC Act, 1956  
Accredited by NAAC with 'A' Grade

Semester: II

Kannada

- Understand their social and personal responsibility from a novel by eminent writer
- Communicate effectively in oral and written Kannada communication and develop better comprehension skills.
- Students will be able to create awareness of societal issues by doing skits.
- Inculcate moral values and ethics as a member and leader in the team.
- Can be a creative writer, innovative thinker, good narrator, critic etc according to their choice.

Mapping of C O and PO :

CO SL NO.	PO1	PO 2	PO3	PO4	PO5	PO6
CO1	1	-	-	2	3	3
CO2	-	-	-	-	3	3
CO3	-	-	-	2	3	3
CO4	-	-	-	2	3	3
CO5	-	-	-	2	3	3
Average	1	-	-	2	3	3

Calculation of CO Attainment

Exam	Target Set		Number of students scored target	Attainment %	Attainment level
Internal	$\geq 15$	90%	76/76	100%	3
External	$\geq 25$	65%	73/74	98.4%	3

  
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### Additional English

• Acquire LSRW (Listening, Writing, Reading, Speaking)
• Learn to appreciate literary art
• Skills of creativity to express one's experience
• Know how to use digital learning tools
• Be aware of their social responsibilities

### Calculation of CO Attainment

Exam	Target Set		Number of students scored target	Attainment %	Attainment level
Internal	>= 15	90%	178/178	100%	3
External	>= 25	65%	172/172	100%	3

### Course Attainment

20% of Internal Attainment level + 80% of External Attainment Level

$$0.2 \times 3 = 0.6 \quad + \quad 0.8 \times 3 = 2.40 = 3$$

### Data Structures using C.

#### Course Outcomes (COs)

After completing this course satisfactorily, a student will be able to

- Describe how arrays, records, linked structures, stacks, queues, trees, and graphs are represented in memory and used by algorithms
- Describe common applications for arrays, records, linked structures, stacks, queues, trees, and graphs
- Write programs that use arrays, records, linked structures, stacks, queues, trees, and graphs
- Demonstrate different methods for traversing trees
- Compare alternative implementations of data structures with respect to performance
- Describe the concept of recursion, give examples of its use
- Discuss the computational efficiency of the principal algorithms for sorting, searching, and hashing

Mapping of C O and PO :

CO SL NO.	PO1	PO 2	PO3	PO4	PO5	PO6
CO1	1	-	-	2	3	3
CO2	-	-	-	-	3	3
CO3	-	-	-	2	3	3
CO4	-	-	-	2	3	3
CO5	-	-	-	2	3	3
Average	1	-	-	2	3	3

Calculation of CO Attainment

Exam	Target Set		Number of students scored target	Attainment %	Attainment level
Internal	$\geq 15$	90%	178/178	100%	3
External	$\geq 25$	65%	169/169	100%	3

Course Attainment

20% of Internal Attainment level + 80% of External Attainment Level

$$0.2 \times 3 = 0.6 \quad + 0.8 \times 3 = 2.40 = 3$$

Data Structures Lab

- Program to find GCD using recursive function.
- Program to display Pascal Triangle using binomial function.
- Program to generate n Fibonacci numbers using recursive function.
- Program to implement Towers of Hanoi.
- Program to implement dynamic array, find smallest and largest element of the array.
- Calculation of CO Attainment