FOUR YEAR UNDERGRADUATE PROGRAM (NEP–2020)

Program: Bachelor in Computer Application (2024 -28)

DISCIPLINE – COMPUTER APPLICATION

SESSION – 2024 -25

DSC -01 to 20		DSE -01 to 12	
Code	**Title**	**Code**	**Title**
CASC -01	Discrete Mathematics	CASE -01	Cyber Security and Cyber Law
CASC -02T	Computer Fundamental and MS-Office	CASE -02	Artificial Intelligence and Expert System
CASC -02P	**Lab 1:** MS-Office	CASE -03	Numerical Analysis
CASC -03T	Operating System	CASE -04	Computer System Architecture
CASC -03P	**Lab 2:** Operating System	CASE -05	Computer Graphics
CASC -04	Digital Electronics	CASE -06T	Cloud Computing
CASC -05T	Programming in C++	CASE -06P	**Lab 13:** Cloud Computing
CASC -05P	**Lab 3:** Programming in C++	CASE -07	Cryptography and Network Security
CASC -06T	Data Structure	CASE -08	Advanced Operating systems
CASC -06P	**Lab 4:** Data Structure Using C++	CASE -09	Soft Computing
CASC -07	Software Engineering	CASE -10	Digital Image Processing
CASC -08T	Relational Database Management System	CASE -11	Big Data Analytics
CASC -08P	**Lab 5:** Relational Database Management System (Oracle/MySQL)	CASE -12	Major Project-2
CASC -09T	Programming in Java		
CASC -09P	**Lab 6:** Programming in Java	**DGE -01 & 02**	
CASC -10	Theory of Computation	CAGE -01T	Computer Fundamental and MS-Office
CASC -11T	Web Technology	CAGE -01P	**Lab 1:** MS-Office
CASC -11P	**Lab 7:** Web Technology	CAGE -02T	Operating System
CASC -12T	Python Programming	CAGE -02P	**Lab 2:** Operating System
CASC -12P	**Lab 8:** Python Programming	**VAC**	
CASC -13	Data Mining and Data Warehousing	CAVAC-01	Artificial Intelligence
CASC -14T	Programming in .Net	**SEC**	
CASC -14P	**Lab 9:** Programming in .Net	CASEC-01	ICT Based Learning
CASC -15T	Machine Learning		
CASC -15P	**Lab 10:** Machine Learning		
CASC -16	Data Communication and Computer Networking		
CASC -17T	Advanced Java		
CASC -17P	**Lab 11:** Advanced Java		
CASC -18	Major Project-1		
CASC -19T	Mobile Application Development		

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CASC -19P	**Lab 12:** Mobile Application Development		
CASC -20T	Fundamentals of IoT and Applications		
CASC -20P	**Lab 14:** Fundamentals of IoT and Applications		

Program Outcomes (PO):

- Gain a complete exposure to the theories and practices of Computer Application.
- Get transformed into a skilled learner and active programmer, enabling the students to focus on their higher studies.
- Value computer professionals and programmers.
- Explore how the concepts and applications of Computer lead to innovative thinking with a problem-solving attitude.

Program Specific Outcomes (PSO):

- Understand the basic computer knowledge and concept of operating systems.
- Understanding the concept of programming and develop program in C++.
- Understanding the concept of data structure and implementation with C/C++.
- Understanding the concept of DBMS and implementation in MySQL /Oracle.
- Understanding the concept of OOPs and Java programming and develop program in Java.
- Understanding the concept of web technology and its implementation with HTML/CSS/DHTML/PHP.
- Understand the basic concept of data and computer networks.
- Understanding the basic concept of digital electronics.
- Understanding the basic concept of cyber security and cyber law.
- Understanding the basic concept of Artificial Intelligence.

CURRICULUM STRUCTURE

Scheme

Program: BCA

Discipline: Computer Application

Semester	Course Type	Course Code	Course Title	Total Credit	Total Marks	
					Max	Min
1st Semester	DSC (Major/Core)	CASC-01	Discrete Mathematics	4	100	40
		CASC-02T	Computer Fundamental and MS-Office	3	100	40
		CASC-02P	**Lab 1**: MS-Office	1	50	20
		CASC-03T	Operating System	3	100	40
		CASC-03P	**Lab 2:** Operating System	1	50	20
2nd Semester	DSC (Major/Core)	CASC-04	Digital Electronics	4	100	40
		CASC-05T	Programming in C++	3	100	40
		CASC-05P	**Lab 3:** Programming in C++	1	50	20
		CASC-06T	Data Structure	3	100	40
		CASC-06P	**Lab 4:** Data Structure Using C++	1	50	20
3rd Semester	DSC (Major/Core)	CASC-07	Software Engineering	4	100	40
		CASC-08T	Relational Database Management System	3	100	40
		CASC-08P	**Lab 5:** Relational Database Management System (Oracle/MySQL)	1	50	20
		CASC-09T	Programming in Java	3	100	40
		CASC-09P	**Lab 6**: Programming in Java	1	50	20
	DSE	CASE-01	Cyber Security and Cyber Law	4	100	40
4th Semester	DSC (Major/Core)	CASC-10	Theory of Computation	4	100	40
		CASC-11T	Web Technology	3	100	40
		CASC-11P	**Lab 7**: Web Technology	1	50	20
		CASC-12T	Python Programming	3	100	40
		CASC-12P	**Lab 8:** Python Programming	1	50	20

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	DSE	CASE-02	Artificial Intelligence and Expert System	4	100	40
5th Semester	DSC (Major/Core)	CASC-13	Data Mining and Data Warehousing	4	100	40
		CASC-14T	Programming in .Net	3	100	40
		CASC-14P	**Lab 9**: Programming in .Net	1	50	20
		CASC-15T	Machine Learning	3	100	40
		CASC-15P	**Lab 10:** Machine Learning	1	50	20
	DSE	CASE-03	Numerical Analysis	4	100	40
6th Semester	DSC (Major/Core)	CASC-16	Data Communication and Computer Networking	4	100	40
		CASC-17T	Advanced Java	3	50	20
		CASC-17P	**Lab 11:** Advanced Java	1	100	40
		CASC-18	Major Project-1	4	50	20
	DSE	CASE-04	Computer System Architecture	4	100	40
7th Semester	DSC (Major/Core)	CASC-19T	Mobile Application Development	3	100	40
		CASC-19P	**Lab 12:** Mobile Application Development	1	50	20
	DSE	CASE-05	Computer Graphics	4	100	40
		CASE-06T	Cloud Computing	3	100	40
		CASE-06P	**Lab 13:** Cloud Computing	1	50	20
		CASE-07	Cryptography and Network Security	4	100	40
		CASE-08	Advanced Operating systems	4	100	40
8th Semester	DSC (Major/Core)	CASC-20T	Fundamentals of IoT and Applications	3	100	40
		CASC-20P	**Lab 14:** Fundamentals of IoT and Applications	1	50	20
	DSE	CASE-09	Soft Computing	4	100	40
		CASE-10	Digital Image Processing	4	100	40
		CASE-11	Big Data Analytics	4	100	40
		CASE-12	Major Project - 2	4	100	40

(Chairman) (Dr. K.B. Dubey) Dr SK Sahu (Dr. Anil Sharma) (Dr. S Dahiya) (H.S.P. Tondi)

(Sushil Kumar Sahu) (Suresh Thakur) (Dr. Asmita Shukla)

(Shailendra Arya) ANJEETA KUJUR

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction			
Program: Bachelor in Computer Application *(Certificate / Diploma / Degree/Honors)*		Semester -II	Session: 2024-2025
1	Course Code	**CASC-04**	
2	Course Title	**Digital Electronics**	
3	Course Type	**DSC (Discipline Specific Course)**	
4	Prerequisite	***As per program***	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able: • To understand the fundamental concepts and techniques used in digital electronics. • Understand how the computer system identifies the data inside. • To understand and examine the structure of various number systems and its application in digital design. • To Perform basic arithmetic calculations in binary, decimal and hexadecimal; • The ability to understand, analyze and design various combinational and sequential circuits. • To identify the basic requirements according to the specification for a newly customized digital circuit and design it in a cost effective manner.	
6	Credit Value	**4 Credits**	***Credit = 15 Hours - Learning & Observation***
7	Total Marks	**Max. Marks: 100**	**Min Passing Marks: 40**

PART -B: Content of the Course

Total No. of Teaching–learning Periods (01 Hr. per period) – 60 Periods (60 Hours)

Unit	Topics (Course contents)	No. of Period
I	**NUMBER SYSTEM AND DATA REPRESENTATION :** Introduction of number system (binary, decimal, octal, hexadecimal etc.), inter-conversion between the number systems, arithmetic operations, complements in the number system, representation of numeric data(binary representation of integers, fixed point and floating point data representation),codes and its classification(weighted code and its types like NBCD etc. , non-weighted code like (Excess-3 code Gray code etc.) , alphanumeric code like (ASCII, UNICODE, EBCDIC etc.), Error detecting code like (parity bit coding technique, etc.),Error correcting codes like (hamming code etc.))	15
II	**BOOLEAN ALGEBRA:** Boolean algebra and basic operations, sum of product, product of sum, simplification of Boolean expression using simplification techniques: Boolean laws and K-Map. **FUNDAMENTALS OF DIGITAL CIRCUIT DESIGN:** Digital logic families and its properties, Logic gate and its types, Construction of basic digital circuits using fundamental gates as well as Universal gates, simplification of digital circuit. Types of digital circuits (combinational circuit, sequential circuits).	15
III	**COMBINATIONAL CIRCUIT:** Adder (half adder, full adder, N bit adder), Subtractor (half subtractor, full subtractor, N bit subtractor), Decoder, Encoder, Multiplexer, De-multiplexer, Comparator, Code Convertor **SEQUENTIAL CIRCUIT:** Multivibrators/Latch, Flip- flop and its types (S R flip flop, D Flip Flop, J K Flip Flop, T Flip Flop, Master Slave Flip Flop), Register and its types, Counters and its types.	15
IV	**MICROPROCESSORS:** Introduction of microprocessor, evolution of microprocessor, basic components in microprocessor, basic microprocessor instruction, addressing modes, designing of eight-bit microprocessor (8085 microprocessor), designing of 16-bit microprocessor (8086 microprocessor).	15

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Keywords	*Number System, Logic gates, Combinational circuits, Sequential circuits, flip-flop, Registers, Counters, Microprocessor.*

Name and Signature of Convener & Members of CBoS:

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PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- D. Nasib, S. Gill, J.B. Dixit, Digital Design and Computer Organization, Laxmi Publications Pvt Limited.
- K.K Neniwal, Digital Electronics (Hindi), Paperback Publication.

Reference Books ***Recommended:***

- M. Morris Mano, Digital logic and Computer Design, Prentice-hall of India private ltd.
- A. K. Maini, Digital Electronics Principles, Devices and Applications, John Wiley & Sons, Ltd.

Online Resources:

- Digital Circuits by Prof. Santanu Chattopadhyay (NPTEL) https://youtube.com/playlist?list=PLbRMhDVUMngePP5JcezxImF-FzOC9wstz&si=6YjQgG1tFGtYmEZv
- Digital Electronics by Prof Gautam Saha (NPTEL) https://youtube.com/playlist?list=PLbRMhDVUMnge4gDT0vBWjCb3Lz0HnYKkX&si=L6PMoGGOGl3MM5jv
- Switching Circuits and Logic Design by Prof. Indranil Sengupta, IIT Kharagpur https://youtube.com/playlist?list=PLbRMhDVUMngfV8C6ElNAUaQQz06wEhFM5&si=e8golfyf_VYBAzp0
- Online Simulator's for Digital Electronics Practices: CircuitVerse - Digital Circuit Simulator online
- Digital Electronics reference: Digital Electronics Tutorial - Javatpoint

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): **20 & 20** Assignment / Seminar - 10 Total Marks - 30	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against **30** Marks
End Semester Exam (ESE):	**Two section – A & B** Section A: **Q1.** Objective – 10 x1= **10** Mark; **Q2.** Short answer type- 5x4 =20 Marks Section B: Descriptive answer type qts.,**1out of 2** from each unit-4x10=40 Marks	

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FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction

Program: Bachelor in Computer Application (Certificate / Diploma / Degree/Honors)		Semester - II	Session: 2024-2025
1	Course Code	CASC-05T	
2	Course Title	**Programming in C++**	
3	Course Type	**DSC (Discipline Specific Course)**	
4	Prerequisite	*As per program*	
5	Course Learning. Outcomes (CLO)	At the end of this course, the students will be able to: • Understand the fundamentals of object oriented programming. • Write programs related to concept of object oriented program • Define functions, class and to create own Libraries. • Write programs for file handling. • Develop small programs to solve real world problems.	
6	Credit Value	**3 Credits**	***Credit = 15 Hours - Learning & Observation***
7	Total Marks	**Max. Marks: 100**	**Min Passing Marks: 40**

PART -B: Content of the Course

Total No. of Teaching–Learning Periods (01 Hr. per period) - 45 Periods (45 Hours)

Unit	Topics (Course contents)	No. of Period
I	**Introduction and Programming Concepts :** Definition of Program, Source file, Object file, Executable file, Header file, Language Translator- Assembler, Interpreter, Compiler, Testing, Debugging, Linker and Loader, Algorithms, Flow Charts, History of C language, Structure of C program , C Tokens : Identifiers, Keywords, Constants, Variables, Operators, Data Types, Control structure: Conditional and looping statements, Operator Precedence and Associativity, Array and its types, Pointer, Functions : Standard Library and User defined functions, function prototype, Call by value and Call by reference, recursive functions, String functions.	12
II	**Introduction to Object Oriented Programming:** Concept of object oriented programming, Features of C++, Structure of C++ program, Data types, structure, class and objects, Access Specifiers: Private, Public, Protected, inline functions, static data and static functions. **Constructor:** Default constructor, Copy constructor, Parameterized constructor, Destructor.	11
III	**Inheritance and Polymorphism**: Definition, Concept of base and derived class, Types of Inheritance: Single, Multilevel, Multiple, Hierarchical and Hybrid Inheritance. Polymorphism: Definition, Compile time polymorphism: Function overloading, Operator overloading, constructor overloading, Runtime polymorphism: Virtual Function, pure virtual function. Inline function, friend function, friend class.	11
IV	**Input-Output and File Handling :** I/O classes, File and Stream classes, Char I/O, String I/O, Object I/O, File Pointer, Opening and Closing file. **Exception Handling and Standard Template Library:** Definition, Exception basics, try, catch and throws keywords, Template.	11
Keywords	*Token, Identifier, Keyword, Array, Function, Class, Object, Polymorphism, Inheritance, Constructor, Template.*	

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PART-C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- Peter Juliff, Program Design, PHI Publications.
- Yashwant Kanetkar, Let us C: BPB Publications.
- E. Balaguruswamy, Programming in ANSI C, Tata McGraw Hill

Reference Books Recommended:

- Y. Kanetkar, Let us C++, B.P.B Publication .
- E. Balaguruswamy, Programming in C++, Tata McGraw Hill.
- R. Kumar, Object Oriented Programming with C++, Prakhar Publication(Hindi)
- Dhupiya, Lakhyani , C++ Programming Alka Publications, Ajmer (Paperback, Dhupiya, Lakhyani)(Hindi)

Online Resources:

- Introduction to C and C++ from SWAYAM/NPTEL
  https://onlinecourses.nptel.ac.in/noc22_cs103/preview
  https://www.youtube.com/watch?v=KG4hjVDw-p8&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=2
- Constant and Inline Function through NPTEL:
  https://www.youtube.com/watch?v=pX6LufLso2M&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=10
- Pointer and Reference NPTEL
  https://www.youtube.com/watch?v=GtsBZ5e1-cE&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=12
- Function Overloading NPTEL
  https://www.youtube.com/watch?v=uJGmGAShHeU&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=13
- Operator Overloading NPTEL
  https://www.youtube.com/watch?v=0jpOwe4d-FE&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=17
- Dynamic Memory Management NPTEL
  https://www.youtube.com/watch?v=lkFK2X6qIc0&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=18
- Class and Object NPTEL
  https://www.youtube.com/watch?v=wtuks_f3vP4&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=24
- Access Specifiers NPTEL
  https://www.youtube.com/watch?v=6ki_W7cXdM0&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=22
- Constructor and Destructor NPTEL
  https://www.youtube.com/watch?v=wtuks_f3vP4&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=24
- C++ different topics from W3School
  https://www.w3schools.com/CPP/default.asp
- C++ different topics from Javatpoint
  https://www.javatpoint.com/cpp-tutorial

PART -D: Assessment and Evaluation		
Suggested Continuous Evaluation Methods: Maximum Marks: 100 Marks Continuous Internal Assessment (CIA): 30 Marks End Semester Exam (ESE): 70 Marks		
Continuous Internal Assessment (CIA): **(By Course Teacher)**	Internal Test / Quiz-(2): **20 +20** Assignment / Seminar - **10** Total Marks - **30**	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against **30** Marks
End Semester Exam (ESE):	**Two section – A & B** Section A: **Q1**. Objective – **10 x1= 10** Mark; **Q2**. Short answer type- **5x4 =20 Marks** Section B: Descriptive answer type qts.,**1 out of 2** from each unit-**4x10=40 Marks**	

Name and Signature of Convener & Members of CBoS:

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(Dr. R.B. Dubey)

(Dr S.K. Sahu)

(Dr. Anil Sharma)

(Sushil Kumar Sahu)

(Suman Thakur)

ANJEETA KUJUR

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction

Program: Bachelor in Computer Application *(Certificate / Diploma / Degree)*	Semester - II	Session: 2024-2025

1	Course Code	**CASC-05P**
2	Course Title	**Lab 3: Programming in C++**
3	Course Type	**Practical**
4	Prerequisite	*As per program*
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: • Understand the fundamental programming concepts and methodologies which are essential to create good C++ programs. • Code, test, and implement a well-structured, robust computer program using the C++ programming language. • Write reusable modules (collections of functions). • Understand design/implementation issues involved with variable allocation and binding, control flow, types, subroutines, parameter passing. • Develop an in-depth understanding of functional, logic, and object-oriented programming paradigms.
6	Credit Value	**1 Credits** *Credit =30 Hours Laboratory or Field Learning/Training*
7	Total Marks	**Max. Marks: 50** **Min Passing Marks: 20**

PART -B: Content of the Course

Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)

Module	Topics (Course contents)	No. of Period
List of Practical Experiments.	1. Write a program in C++ for addition of two numbers using float data type. 2. Write a program in C++ to find the biggest number between two numbers. 3. Write a program in C++ to find the factorial value of any entered number using do – while loop. 4. Write a program in C++ for various arithmetic operations using switch case statements. 5. Write a program in C++ for Multiplication of two 3X3 matrices. 6. Write a program in C++ to store five books of information using structure. 7. Write a program in C++ to store six employee information using union. 8. Write a program in C++ to calculate simple interest using call by value and call by reference method. 9. Write a program in C++ to find the sum and average of five numbers using class and objects. 10. Write a program in C++ to multiply two numbers using private and public member functions. 11. Write a program in C++ to print structure like this using scope resolution operator 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 12. Write a program in C++ for constructor and Destructor.	**30**

13. Write a program in C++ for multiple inheritance.
14. Write a program in C++ for operator overloading.
15. Write a program in C++ for friend class and friend function.
16. Write a program in C++ for virtual function and virtual class.
17. Write a program in C++ for Exception Handling.
18. Write a program in C++ to open and close a file using file Handling.
19. Given two ordered arrays of integers, write a program to merge the two-arrays to get an ordered array.
20. WAP to display Fibonacci series (i) using recursion, (ii) using iteration
21. WAP to calculate Factorial of a number (i) using recursion, (ii) using iteration
22. WAP to calculate GCD of two numbers (i) with recursion (ii) without recursion.
23. Create a Matrix class using templates. Write a menu-driven program to perform following Matrix Operations (2-D array implementation): a) Sum b) Difference c) Product d) Transpose 22. Create the Person class. Create some objects of this class (by taking information from the user). Inherit the class Person to create two classes Teacher and Student class. Maintain the respective information in the classes and create, display and delete objects of these two classes (Use Runtime Polymorphism).
24. Create a class Triangle. Include overloaded functions for calculating area. Overload assignment operator and equality operator.
25. Create a class Box containing length, breadth and height. Include following methods in it: a) Calculate surface Area b) Calculate Volume c) Increment, Overload ++ operator (both prefix & postfix) d) Decrement, Overload -- operator (both prefix & postfix) e) Overload operator == (to check equality of two boxes), as a friend function f) Overload Assignment operator g) Check if it is a Cube or cuboid
26. Create a structure Student containing fields for Roll No., Name, Class, Year and Total Marks. Create 10 students and store them in a file.
27. Write a program to retrieve the student information from the file created in the previous question and print it in the following format: Roll No. Name Marks
28. Copy the contents of one text file to another file, after removing all whitespaces.
29. Write a program for exception handling.
30. Write a program to insert data into file and to display it.

Note: Concerned teacher can add additional experiment as per requirement.

Keywords	*Array, Function, Structure, union, matrix, constructor, destructor, inheritance.*

Name and Signature of Convener & Members of CBoS:

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- Peter Juliff, Program Design, PHI Publications.
- Yashwant Kanetkar, Let us C: BPB Publications.
- E. Balaguruswamy, Programming in ANSI C, Tata McGraw Hill

Reference Books Recommended:

- Y. Kanetkar, Let us C++, B.P.B Publication .
- E. Balaguruswamy, Programming in C++, Tata McGraw Hill.

- R. Kumar, Object Oriented Programming with C++, Prakhar Publication(Hindi)
- Dhupiya, Lakhyani , C++ Programming Alka Publications, Ajmer (Paperback, Dhupiya, Lakhyani)(Hindi)

Online Resources:

- Introduction to C and C++ from SWAYAM/NPTEL
  https://onlinecourses.nptel.ac.in/noc22_cs103/preview
  https://www.youtube.com/watch?v=KG4hjVDw-p8&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=2
- Constant and Inline Function through NPTEL:
  https://www.youtube.com/watch?v=pX6LufLso2M&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=10
- Pointer and Reference NPTEL
  https://www.youtube.com/watch?v=GtsBZ5e1-cE&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=12
- Function Overloading NPTEL
  https://www.youtube.com/watch?v=uJGmGAShHeU&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=13
- Operator Overloading NPTEL
  https://www.youtube.com/watch?v=0jpOwe4d-FE&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=17
- Dynamic Memory Management NPTEL
  https://www.youtube.com/watch?v=lkFK2X6qIc0&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=18
- Class and Object NPTEL
  https://www.youtube.com/watch?v=wtuks_f3vP4&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=24
- Access Specifiers NPTEL
  https://www.youtube.com/watch?v=6ki_W7cXdM0&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=22
- Constructor and Destructor NPTEL
  https://www.youtube.com/watch?v=wtuks_f3vP4&list=PLmp4ylk-B4KrM9uOEdvPIVFUkU3jNc6D2&index=24
- C++ different topics from W3School
  https://www.w3schools.com/CPP/default.asp
- C++ different topics from Javatpoint
  https://www.javatpoint.com/cpp-tutorial

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks:	**50 Marks**
Continuous Internal Assessment (CIA):	**15 Marks**
End Semester Exam (ESE):	**35 Marks**

Continuous Internal Assessment (CIA): **(By Course Teacher)**	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar +Attendance - 05 Total Marks - 15	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam (ESE):	**Laboratory / Field Skill Performance: On spot Assessment** A. Performed the Task based on lab. work - 20 Marks B. Spotting based on tools & technology (written) – 10 Marks C. Viva-voce (based on principle/technology) - 05 Marks	Managed by Course teacher as per lab. status

Name and Signature of Convener & Members of CBoS:

Dr. H. S. Hota Chairman (Dr. K. B. Dubey) (Dr. S. Jain) (Dr. Anil Sharma) K. Khunteta (Sushil Kumar Sahu) ANJEETA KUJUR

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction		
Program: Bachelor in Computer Application *(Certificate / Diploma / Degree/Honors)*	Semester – II	Session: 2024-2025

1	Course Code	**CASC -06T**	
2	Course Title	**Data Structure**	
3	Course Type	**DSC (Discipline Specific Course)**	
4	Prerequisite (if, any)	***As per program***	
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: • Understand the fundamentals and applications of data structure. • Utilize various algorithms for real world problem solving. • Understanding about data management in computer memory. • Apply stack, Queue, Lists, Trees and Graphs for real world application. • Understand how various data structures can be used to implement through any programming language.	
6	Credit Value	**3 Credits**	***Credit = 15 Hours - Learning & Observation***
7	Total Marks	**Max. Marks: 100**	**Min Passing Marks: 40**

PART -B: Content of the Course

Total No. of Teaching–Learning Periods (01 Hr. per period) - 45 Periods (45 Hours)

Unit	Topics (Course contents)	No. of Period
I	**Introduction and Basic Concepts:** Introduction, Fundamentals of Algorithms, Data types: Primitive, Non-Primitive Absent Data Type (ADT), Classification of Data Structure: Linear and Nonlinear Data Structure. **Array:** Arrays and its types, Memory allocation and address calculations of Array, Sparse Array. **Linked List:** Types of Linked List and various Operations Like INSERT, DELETE, TRAVERSE. Introduction and Application of Stack and Queue.	**12**
II	**Stack:** Definition, Operations PUSH, POP, Implementations using Array and Linked list, Applications of Stack: Infix, Prefix, Postfix representation and conversion using Stack, Postfix expression evaluation using Stack, Recursion using Stack. **Queue:** Definition, Types of Queues: Priority Queue, Circular queue, Double Ended Queue, operations of Queue INSERT, DELETE, TRAVERSE, Implementation Queue using Array and Linked list, Applications of Queue.	**11**
III	**Tree:** Definition of Trees and their types, Binary trees, Properties of Binary trees and operations Insertion, deletion, searching and traversal algorithm: preorder, post order, in-order traversal, Binary Search Trees, Implementations, AVL Trees. **Graph:** Definition of Graph and their types, Adjacency and Incident (matrix & linked list) Representation of graphs, Graph Traversal – Breadth first Traversal, Depth first Traversal, Connectivity of Graphs; Weighted Graphs, Shortest Path Algorithm, Spanning Tree, Minimum Spanning Tree, Kruskal's and Prim's Algorithms.	**11**
IV	**Sorting Methods:** Types of Sorting Selection Sort, Insertion Sort, Bubble Sort, Quick Sort, Merge Sort, Radix Sort. **Searching**: Linear search, Binary search.	**11**
Keywords	*Data, ADT, Array, Linked List, Stack, Queue, Tree, Graph, Searching, Sorting.*	

Name and Signature of Convener & Members of CBoS:

Dr. H.S. Hota Chairman; (Dr. K.B. Dubey); (Dr. S.K. Sahu); (Dr. S. Jain); R. Khuntey; (Dr. Amit Sharma); (Dr. A.S. Sharma); (Sushil Kumar Sahu); (Suresh Thakur); Shailendra Arya; ANJEETA KUJUR

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

- Michael T. Goodrich, Data Structures and Algorithms in C++, Wiley
- Horowitz and Sahani, Fundamentals of Data Structures, Computer Science Press

Reference Books ***Recommended:***

- Alfred V. Aho, Data structures and Algorithms, Jhon E. Hopcroft and J.E. Ullman.
- Jean Paul Trembley and Paul Sorenson, An Introduction to Data Structures with Applications, TMH, International Student Edition
- R. Kruse, Leung &Tondo, Data Structures and Program Design in C, PHI publication, 2nd Edition

Online Resources:

- NPTEL YouTube Channel: Data Structure Complete course
- https://youtube.com/playlist?list=PLc2MoXNv7E4mtsPlnn9BnTOENXsGyoDgR&si=aAYaVZ-vWfeuhFEO
- NPTEL YouTube Channel: Introduction to Data Structure
- https://www.youtube.com/watch?v=zWg7U0OEAoE&list=PLBF3763AF2E1C572F&index=1
- NPTEL YouTube Channel: Stacks
- https://www.youtube.com/watch?v=g1USSZVWDsY&list=PLBF3763AF2E1C572F&index=2
- NPTEL YouTube Channel: Queues and linked list
- https://www.youtube.com/watch?v=PGWZUgzDMYI&list=PLBF3763AF2E1C572F&index=3
- NPTEL YouTube Channel: Trees
- https://www.youtube.com/watch?v=tORLeHHtazM&list=PLBF3763AF2E1C572F&index=6
- NPTEL YouTube Channel: Graphs
- https://www.youtube.com/watch?v=9zpSs845wf8&list=PLBF3763AF2E1C572F&index=24
- W3schools Data Structure Reference: DSA Tutorial (w3schools.com)

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 100 Marks

Continuous Internal Assessment (CIA): 30 Marks

End Semester Exam (ESE): 70 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 20 & 20 Assignment / Seminar - 10 Total Marks - 30	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 30 Marks
End Semester Exam (ESE):	**Two section – A & B** Section A: Q1. Objective – 10 x1= 10 Mark; Q2. Short answer type- 5x4 =20 Marks Section B: Descriptive answer type qts.,1out of 2 from each unit-4x10=40 Marks	

Name and Signature of Convener & Members of CBoS:

~~Dr H.S. Hota~~ Chairman

(Dr K.B. Dubey)

(Dr SK Sahu)

(Dr. S. Jain)

(Dr. Anil Sharma)

R. Khunte

(Suresh Thakur)

(Sushil Kumar Sahu)

ANJEETA KUJUR

FOUR YEAR UNDERGRADUATE PROGRAM (2024 – 28)
DEPARTMENT OF COMPUTER APPLICATION
COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in Computer Application *(Certificate / Diploma / Degree)*			**Semester – II**	Session: 2024-2025
1	Course Code	**CASC-06P**		
2	Course Title	**Lab 4: Data Structure Using C++**		
3	Course Type	**Practical**		
4	Prerequisite (if, any)	*As per program*		
5	Course Learning Outcomes (CLO)	At the end of this course, the students will be able to: • Understand how the concept of data structure can be implemented programmatically. • Implement the fundamentals data structure through C and C++ • Understand the functioning of Array and linked list programmatically. • Understand the applications of array, linked list stack, queue, tree and graph programmatic. • Write programs for various data structures for real world application.		
6	Credit Value	**1 Credits**	*Credit =30 Hours Laboratory or Field Learning/Training*	
7	Total Marks	**Max. Marks: 50**	**Min Passing Marks: 20**	

PART -B: Content of the Course

Total No. of learning-Training/performance Periods: 30 Periods (30 Hours)

Module	Topics (Course contents)	No. of Period
Lab./Field Training/ Experiment	1. Write a program to create a square matrix, fill the data inside and print the diagonal elements. 2. Write a program to perform addition and subtraction on two matrices. 3. Write a program to perform multiplication on two matrices. 4. Write a program to perform insertion, deletion of nodes from the end in singly linked list. 5. Write a program to perform insertion and deletion of nodes from the end in singly linked list. 6. Write a program to perform insertion and deletion of nodes from the end in circular doubly linked list. 7. Write a program to perform push and pop operations in stack, where stack should be created using array. 8. Write a program to perform push and pop operation in stack, where stack should be created linked list. 9. Write a program to calculate factorial of given number using stack. 10. Write a program to perform insertion and deletion of data items in queue, queue should be implemented by using a linked list. 11. Write a program to perform insertion and deletion of data items in queue, queue should be implemented by using arrays. 12. Write a program to demonstrate functioning of a double ended queue. 13. Write a program to read the postfix arithmetic expression and evaluate its value using the stack. 14. Write a program to show how to handle the overflow and underflow situation in stack. 15. Write a program to convert infix notation-based expression into the postfix notation-based expression using the stack. 16. Write a program to implement the concept of priority-based element	**30**

traversing using priority queue.

17. Write a program to implement the concept of priority-based element traversing using priority queue.
18. Write a program to create binary search tree using the concept of linked list and array, suppose data set will be given at the run time.
19. Write a program to create a binary tree with any data set and traverse the data items in pre-order, in-order and post-order manner using recursion.
20. Write a program to perform deletion of any data item from the binary search tree.
21. Write a program to find the height of any tree.
22. Write a program to create any given undirected graph using the adjacency matrix, and print each node/element with list of its adjacent elements.
23. Write a program to find the height of any given tree.
24. Write a program to traverse the element of given graph according BFS and DFS.
25. Write a program to find the minimum spanning tree of any given graph.
26. Write a program to search any run time given element from the array of 10 elements in the array are unsorted.
27. Write a program to demonstrate the binary search.
28. Write a program to find the smallest and largest element in any array.
29. Write a program to arrange the data items of any array in ascending order.
30. Write a program to arrange the data items of any array in descending order using quick sort.

Note: Concerned teacher can add additional practical exercises as per requirement.

Keywords	*Array, Linked List, Stack, Queue, traversing, Tree, Graph, Searching, Sorting, Hashing.*

Name and Signature of Convener & Members of CBoS:

Dr H.S. Hota Chairman; (Dr. K.B. Dubey); (Dr SK Sahu); (Dr. S. Jain); (Dr. Anil Sharma); R. Khuntey; (Sushil kumar Sahu); (Suresh Thakur); Shailendra; ANJEETA KURU

PART–C: Learning Resources

Text Books, Reference Books and Others

Text Books Recommended:

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Reference Books Recommended:

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- Jean Paul Trembley and Paul Sorenson, An Introduction to Data Structures with Applications, TMH, International Student Edition
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Online Resources:

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- NPTEL YouTube Channel: Introduction to Data Structure https://www.youtube.com/watch?v=zWg7U0OEAoE&list=PLBF3763AF2E1C572F&index=1
- NPTEL YouTube Channel: Stacks https://www.youtube.com/watch?v=g1USSZVWDsY&list=PLBF3763AF2E1C572F&index=2

- NPTEL YouTube Channel: Queues and linked list
  https://www.youtube.com/watch?v=PGWZUgzDMYI&list=PLBF3763AF2E1C572F&index=3
- NPTEL YouTube Channel: Trees
  https://www.youtube.com/watch?v=tORLeHHtazM&list=PLBF3763AF2E1C572F&index=6
- NPTEL YouTube Channel: Graphs
  https://www.youtube.com/watch?v=9zpSs845wf8&list=PLBF3763AF2E1C572F&index=24
- W3schools Data Structure Reference: DSA Tutorial (w3schools.com)

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods:

Maximum Marks: 50 Marks

Continuous Internal Assessment (CIA): 15 Marks

End Semester Exam (ESE): 35 Marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Test / Quiz-(2): 10 & 10 Assignment/Seminar +Attendance - 05 Total Marks - 15	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against 15 Marks
End Semester Exam (ESE):	**Laboratory / Field Skill Performance:** On spot Assessment A. Performed the Task based on lab. work - 20 Marks B. Spotting based on tools & technology (written) – 10 Marks C. Viva-voce (based on principle/technology) - 05 Marks	Managed by Course teacher as per lab. status

Name and Signature of Convener & Members of CBoS:

Dr. H.S. Hota Chairman (Dr. K.B. Dubey) (P.S.K. Sahu) (Dr. S. Jain) (Dr. Anil Sharma) R. Khuntey (Sushil kumar Sahu) (Suresh Thakur) ANJEETA KUJUR

FOUR YEAR UNDERGRADUATE PROGRAM (2024 - 28)
DEPARTMENT OF ENGLISH
COURSE CURRICULUM

PART- A: Introduction				
Program: Bachelor in Arts *(Certificate/Diploma/Degree/Honors)*			**Semester - II**	Session: **2024-2025**
1	**Course Code**	**ENGE-02**		
2	**Course Title**	**History of English Literature**		
3	**Course Type**	**DSC (Discipline Specific Course)**		
4	**Pre-requisite**	***As per Program***		
5	**Course Learning. Outcomes (CLO)**	After completion of this course, the students will be able to: ➢ Be aware of the characteristics of the various ages of English Literature. ➢ Understand different factors responsible for the literary developments that have taken place over the centuries in English Literature. ➢ Understand the development of English literature through historical Timeline. ➢ Comprehend the defining ethos and characteristics of different periods in English Literature. ➢ Develop a comprehensive understanding of the history of English Literature. ➢ Take cognizance of the historical, social and cultural context of each literary age and thereby make connections between literature and society & appreciate literature's ability to stimulate feeling.		
6	**Credit Value**	**4 Credits**	***Credit = 15 Hours - learning & Observation***	
7	**Total Marks**	**Max. Marks: 100**	**Min Passing Marks: 40**	

PART -B: Content of the Course

Total No. of Teaching–learning Periods (01 Hr. per period) – 60 Periods (60 Hours)

Unit	Topics (Course contents)	No. of Periods
I	**Age of Chaucer: (1350-1400):** **Section A:** ***a) Salient Features:*** Hundred Years War, The Black Death, Religious Writings, Ballad Writing ***Prominent Author:*** Geoffery Chaucer **Section B: (any one)** ***a) Geoffrey Chaucer:*** *The Knight,* *The Pardoner (from The Prologue to The Canterbury Tales)* **Renaissance: (1516-1625):** **Section A:** ***a) Salient Features:*** *Intellectual Rebirth, Freedom of thought & action, Thirst for knowledge, Love for Adventure and unlimited power, University wits, Elizabethan Lyric and Sonnets,* ***b) Prominent Authors:*** *Francis Bacon, Christopher Marlowe, Edmund Spenser, William Shakespeare*	**15**

	Section B: (any one) ***a) Francis Bacon (Prose):*** *Of Revenge* ***b) William Shakespeare (Sonnet):*** *From Fairest Creatures We Desire Increase*	
II	**Puritan Age (1625-1660)** **Section A:** ***a) Salient Features:*** *Purification of Church, Religious Fervour, Supremacy of Bible, Political Supremacy, Rise of Religious Verses. Metaphysical Poetry* ***b) Prominent Authors:** John Milton, John Donne, George Herbert, Thomas Browne, Henry Vaughan* **Section B: (any one)** ***a) John Milton:*** *i. On His Blindness* *ii. How Soon Hath Time* ***b) John Donne:*** *i. The Sun Rising* *ii. Death Be Not Proud* **Restoration (1660-1700)** **Section A:** ***a) Salient Features:*** *Social & Political Conflict, Imitation of the ancients, Opening of Theaters, Rise of Neo-Classicism, Heroic Drama, Comedy of Manners, Cavalier Poetry* ***b) Prominent Authors:** John Dryden, John Bunyan, Samuel Butler, William Congreve.* ***Section B: (any one)*** ***a) John Dryden:*** *Happy The Man* ***b) John Bunyan:*** *Of The Boy and Butterfly*	**15**
III	**Neo-Classical Age:(1700-1798)** **Section A:** ***a) Salient Features:*** *Emphasis on order, accuracy and structure, Periodical Essay, Literature of Sensibility, Graveyard Poetry* ***b) Prominent Authors:** Alexander Pope, Dr. Samuel Johnson, Thomas Gray, Joseph Addison, Oliver Goldsmith* **Section B: (Any one author)** ***Alexander Pope:*** *Ode on Solitude* ***Joseph Addison:*** *Sir Roger at Home* **The Romantic Age (1798-1850)** **Section A:** ***Salient features:*** *Nature Poetry, Gothic Novel, Jacobean Novel Celebration of Nature, Focus on the Individual, Idealization of Common man and woman* ***Prominent Authors:** William Wordsworth, P.B. Shelley, John Keats, Jane Austen, Charles Lamb, William Hazlitt* **Section B:(Any one author)** ***William Wordworth:*** *Daffodils* ***Charles lamb:*** *A Bachelor's Complaint of the Behaviour of Married People*	**15**
IV	**The Victorian Age:** **Section A:** ***Salient Features:***	

	Conflict between Science and Religion, Prominence of Novels, Dramatic Monologues, Periodicals, Children Literature, Oxford Movement, Pre-Raphaelite Movement. ***Prominent Authors:*** *Robert Browning, Matthew Arnold, Charles Dickens, George Eliot, Emily Bronte, Thomas Carlyle, Thomas Macaulay.* **Section B:** ***Robert Browning:*** *My Last Duchess/* ***Alfred Tennyson**: Lotus Eater/* ***Mathhew Arnold:** Dover Beech/* ***Thomas Carlyle:*** *Hero as Poet* **Modern Age** **Section A:** ***Salient Features:*** *Shift from external to inner reality of human mind, psychological detailing of mind, stream of consciousness and interior monologue, Imagism, Dadaism, Surrealism, Georgian Poetry.* ***Prominent Authors:*** *W.B. Yeats, Siegfried Sassoon, T.S. Eliot, W.H. Auden, Dylan Thomas, G.B. Shaw, Samuel Becket, Thomas Hardy, Rudyard Kipling, Virginia Woolf, George Orwell* **Section B: (any one)** ***W.B. Yeats:*** *A Prayer for my Daughter* ***T.S. Eliot:** Portrait of a Lady* ***George Orwell:*** *Animal Farm*	
Key-words	*Hundred Years war, Black Death, Intellectual Rebirth, Supremacy of Bible, Metaphysical Poetry, Neo-Classicism, Comedy of Manners, Periodic Essay, Gothic Novel.*	

Signature of Convener & Members (CBoS) :

PART–C: Learning Resources

Text Books, Reference Books and Others

Reference Books:

Albert, E., "History of English Literature", Oxford University Press, London, 2015.

- Homer: The Iliad, (Book I) tr. E.V. Rieu Harmondsworth: Penguin, 1985.
- Sophocles: Oedipus, the King, tr. Robert Fagles in Sophocles: The Three Theban Plays Harmondsworth: Penguin, 1984.
- Gilbert Murray, A History of Ancient Greek Literature, Andesite Press, 2017.
- Plato, The Republic, Book X, tr. Desmond Lee London: Penguin, 2007.
- Gregory, J. (ed.) The Blackwell Companion to Greek Tragedy. Oxford, 2005.
- Cuddon, J.A., "Dictionary of Literary Terms and Literary Theory", Penguin Books, London, 1999.
- Drabble, M., (ed.), "The Oxford Companion to English Literature", Oxford University Press, Oxford, 1996.
- Prasad, B., "A Background to the Study of English Literature", Trinity Press, New Delhi, 2014
- Harmon & Holman., (ed.), "A Handbook to English Literature", Prentice Hall, New York, 1996.
- Wynne-Davies, M., "The Bloomsbury Guide to English Literature", Prentice Hall, New York,1990.

Online Resources

- *https://www.britannica.com/art/English-literature*
- *https://leverageedu.com/blog/history-of-english-literature/*
- *https://www.edvisehub.com/history-of-english-literature/*
- *https://www.worldwidejournals.com/paripex/recent_issues_pdf/2015/April/April_2015_1429622759_169.pdf*

PART -D: Assessment and Evaluation

Suggested Continuous Evaluation Methods: **Maximum Marks:** **100 Marks** **Continuous Internal Assessment (CIA):** **30 Marks** **End Semester Exam (ESE):** **70 Marks**		
Continuous Internal Assessment (CIA): **(By Course Teacher)**	Internal Test / Quiz-(2): **20** & **20** Assignment / Seminar - **10** Total Marks - **30**	Better marks out of the two Test / Quiz + obtained marks in Assignment shall be considered against **30** Marks
End Semester Exam (ESE):	**Two section – A & B** Section A: **Q1**. Objective – 10 x1= **10** Mark; **Q2**. Short answer type- **5x4 =20 Marks** Section B: Descriptive answer type qts.,**1out of 2** from each unit-**4x10=40 Marks**	

Name and Signature of Convener & Members of CBoS:

FOUR YEAR UNDERGRADUATE PROGRAM - (2024-28)
DEPARTMENT OF **HINDI**
COURSE CURRICULUM

PART -A : Introduction				
Program: Bachelor in Arts Certificate/Diploma/Degree/Honors		Semester - **II**		Session: 2024-25
1	Course Code	HNGE-02		
2	Course Title	**हिन्दी साहित्य का इतिहास – आधुनिक काल**		
3	Course Type	GE		
4	Pre-requisite (if any)	As per requirement		
5	Course Learning Outcome (CLO)	1. युगीन परिस्थितियों और साहित्यिक प्रवृत्तियों के आधार पर विद्यार्थी पुनर्जागरण काल एवं जागरण सुधार काल के प्रमुख रचानाकारों की उपादेयता को गहनता से समझ सकेंगे। 2. हिन्दी पद्य के साथ गद्य के क्रमबद्ध विकास को समझ सकेंगे। 3. छायावाद एवं छायावादोत्तर काव्य के माध्यम से तात्कालीन स्वतंत्रता आंदोलन की पृष्ठ भूमि से विद्यार्थी अवगत होगे। 4. स्वातंत्र्योत्तर पद्य और गद्य की विभिन्न विधाओं के माध्यम से विद्यार्थी बदलते हुए सामाजिक–सांस्कृतिक मूल्यों को समझने में सक्षम हो सकेंगे। 5. भूमण्डलीकरण के दौर में युगीन हिन्दी साहित्य को विश्व साहित्य के सामानान्तर रख कर मूल्यांकनपरक दृष्टि एवं समझ का विकास हो सकेगा।		
6	Credit Value	4 Credits	(01 Credit = 15 Hours - learning & Observation)	
7	Total Marks	Maximum Marks : 100		Minimum Passing Marks : 40

11-06-24

11/6/2024

11/6/24

PART -B : Content of the Course		
Total No. of Teaching-Learning Periods (01 Hr. Per Period) - 60 Periods (60 Hours)		
Unit	Topics (Course Contents)	No. of Period
I	**आधुनिक काल व हिन्दी नवजागरण – भातेन्दु युग** अ. आधुनिक काल की राजनैतिक, सामाजिक, आर्थिक एवं सांस्कृतिक पृष्ठभूमि, हिन्दी नवजागरण ब. भारतेन्दु युग – प्रमुख साहित्यकार, साहित्य एवं साहित्यिक विशेषताएं	15
II	**द्विवेदी युग व छायावाद** अ. द्विवेदी युग के प्रमुख साहित्यकार, साहित्य एवं विशेषताएं ब. छायावाद के प्रमुख साहित्यकार, साहित्य एवं विशेषताएं	15
III	**छायावादोत्तर काल (विभिन्न प्रवृत्तियॉं)** अ. प्रगतिवाद व प्रयोगवाद के प्रमुख साहित्यकार, साहित्य एवं विशेषताएं ब. नई कविता व समकालीन कविता के प्रमुख साहित्यकार, साहित्य एवं विशेषताएं	15
IV	**हिन्दी गद्य का विकास** अ. कहानी एवं उपन्यास का उद्‌भव एवं विकास, सामान्य प्रवृत्तियां व प्रमुख कथाकार, उपन्यासकार ब. निबंध एवं नाटक का उद्‌भव एवं विकास, सामान्य प्रवृत्तियां व प्रमुख निबंधकार तथा नाटककार	15
Keywords		

Signature of Convener & members (CBos) :

PART -C : Learning Resource
Text Books, Reference Books and Others
1. महावीर प्रसाद द्विवेदी और हिन्दी नवजागरण – डॉ. रामविलास शर्मा, राजकमल प्रकाशन, नई दिल्ली 2. भारतेन्दु हरिशचंद्र और हिन्दी नवजागरण – डॉ. रामविलास शर्मा, राजकमल प्रकाशन, नई दिल्ली 3. छायावाद की प्रासंगिकता – रमेशचन्द्र शाह, वाग्देवी प्रकाशन बिकानेर 4. नवजागरण की समस्याएं – डॉ. रामविलास शर्मा, राजकमल प्रकाशन, नई दिल्ली 5. भारतेन्दु की रंग परिकल्पना – सत्येन्द्र तनेजा 6. छायावादोत्तर प्रतिनिधि कवि और उनकी कविताएं – विश्वविद्यालय प्रकाशन वाराणसी 7. हिन्दी गद्य का विकास – भारतेन्दु हरिशचंद्र 8. आधुनिक हिन्दी गद्य का इतिहास – आचार्य रामचन्द्र शुक्ल, राजकमल प्रकाशन, नई दिल्ली 9. भारतेन्दु युग – डॉ.सत्यपाल शर्मा 10. हिन्दी नाटक उदभव और विकास – दशरथ ओझा, राजपाल प्रकाशन 11. आधुनिक साहित्य की प्रवित्तियां – नामवर सिंह, राजकमल प्रकाशन, दिल्ली
Online Resources -
1. E-Adhyayan 2. https://epustakalay.com.book 3. info@hindibook.com
PART -D : Assessment And Evaluation

11-06-24

11/6/2024

11/6/24

Suggested Continuous Evaluation Methods : Maximum Marks : 100 Marks Continuous Internal Assessment (CIA) : 30 Marks End Semester Exam (ESE) : 70 Marks		
Coninuous Internal Assessment : (CIA) : (By Course Teacher)	Internal Test/Quiz-(2) : 20 & 20 Marks Assignment/Seminar - 10 Total Marks 30	Better marks out of the two Text/Quiz obtained marks in assignment shall be considered against 30 Marks
End Semester Exam (ESE) :	Two Section - A&B Section A : Q1 Objective - 10X1=10 Marks Section A : Q2 Short Answer Type - 5X4=20 Marks Section B : Descriptive Answer Type Qts. 1 out of 2 From Each Unit - 4X10=40 Marks Total =70 Marks	

Name and Signature of Convener & Members of CBoS:

11-06-24

11/6/2024

(Dr. Rajeet Kaur)
11/11/2024.

11/6/24

FOUR YEAR UNDERGRADUATE PROGRAM(2024-28)
DEPARTMENT OF SOCIOLOGYCOURSE CURRICULUM

PART-A : INTRODUCTION

PROGRAM: Bachelor in Arts (Certificate/ Diploma/Degree/Honors)	SEMESTER–II	SESSION:2024-25

SUBJECT: **SOCIOLOGY**

1	COURSE CODE:	SOGE-02	
2	COURSE TITLE:	**CHANGING SOCIAL INSTITUTIONS IN INDIA**	
3	COURSE TYPE:	DGE 02	
4	Pre-requisite	As per Government norms	
5	COURSE LEARNING OUTCOME (CLO):	**After completion of the course, the student will be able to achieve the following objectives-** • The students will learn and understand the classical background ofIndian society. • Students will learn about the Indian social structure. • The course will enhance understanding about pre dominant issues of Indian society. • This course will enhance the understanding about rural structure, development and issues. • The students will learn about social problems of India.	
6	CREDIT VALUE:	04(Credit= 15 Hour- Learning and observation)	
7	TOTAL MARKS:	MAX MARKS:100	MIN PASS MARKS:40

PART-B : CONTENT OF THE COURSE

Total Number of Teaching-Learning Periods(01 hr. Per Period)- 60 Period (60 Hours)

UNIT	TOPICS	No. of Periods
UNIT-I Classical Indian: Society and Changes	1. Classical Indian Society and Changes 2. Ashram, Purusharth 3. Karma: Views on Past and Present 4. Caste Roles and Varna Formulations	15
UNIT-II Indian Social Structure	1. Family Roles and its Changing Nature 2. Marriage and its Challenges 3. Kinship: Principle and Pattern 4. Jajmani and Agrarian Relationship	15
UNIT-III Rural Social System	1. Rural Development and Change 2. Rural Migration and Urbanisation 3. Religiosity and superstition in rural society 4. Problem of Peasants	15
UNIT-IV Social Issues in India	1. Poverty and Unemployment : Causes and Remedies 2. Problem of Corruption: Causes and Remedies 3. Drugs Abuse: Types, Causes and Remedies 4. Cyber Crime: Types, Causes and Remedies	15

Signature of Convener & Members :

1. 2. 10-6-24 3. 4. 5. 6. 7. 10-6-24

PART-C : LEARNING RESOURCES, REFERENCE BOOKS& OTHERS		
AUTHOR	**TITLE**	**PUBLISHER**
TEXTBOOK		
C.N.Shankar Rao	Indian Social Problems	S Chand
Ram Ahuja	Social Problems in India	Rawat Publication
C.N.Shankar Rao	Sociology of Indian Society	S Chand Publication
REFERENCE		
Rajendra Kumar Sharma	Indian Society: Institutions and Change	Atlantic Publication
B.R.Chauhan	Indian Villages	Rawat Publication
Indra Dewa	Society and Culture in India	Rawat Publucation

Online Resources	
1	https://epgp.inflibnet.ac.in
2	https;//vidyamitra.inflibnet.ac.in
3	https://vidyamitra.inflibnet.ac.in/index.php/search
4	https://www.swayamprabha.gov.in

PART-D :ASSESSMENTANDEVALUATION		
SuggestedContinuousEvaluationMethods: **MaximumMarks:** **100MarksContinuousInternalAssessment(CIA):** **30Marks** **EndSemesterExam(ESE):** **70Marks**		
ContinuousInternal Assessment(CIA): (ByCourseTeacher)	InternalTest/Quiz-(2):**20&20** Assignment/Seminar- **10** TotalMarks- **30**	BettermarksoutofthetwoTest/Quiz +obtainedmarksinAssignmentshallbeconsidered against**30**Marks
EndSemesterExam(ESE):	**Twosection–A&B** SectionA:**Q1**.Objective–10x1=**10**Mark;**Q2**.Shortanswertype-**5x4=20Marks** SectionB:Descriptiveanswertypeqts.,**1outof2**fromeachunit-**4x10=40Marks**	

NameandSignatureofConvener&MembersofCBoS

(1)
(2) 10.6.24
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(7) 10.6.24

FOUR YEAR UNDERGRADUATE PROGRAM
DEPARTMENT OF ECONOMICS
COURSE CURRICULUM – 2024-28

PART-A, INTRODUCTION			
PROGRAM: Bachelor in Art (Certificate/Diploma/Degree/Honors)		**Sem -II**	**SESSION:2024-2025**
SUBJECT: **ECONOMICS**			
1	COURSE CODE:	ECSC-02	
2	COURSE TITLE:	**BASICS OF INDIAN ECONOMY**	
3	COURSE TYPE:	DSC	
4	Pre-requisite	As per program	
5	COURSE LEARNING OUTCOME (CLO):	• The students learn about the state of Indian economy pre and post-independence. • The students learn about the planning process and its achievements in Indian economy. • The students come across with the new economic reforms introduced in Indian economy in the year 1991 and its role in India's development. • The students will come to know about some social problems like overpopulation, education, health & malnutrition, poverty, unemployment etc. • The students learn the problems and prospects of agriculture sector in India. • The students learn various aspects of industrial development and reforms process in the industrial economy. • The students learn the role of foreign trade on Indian economy. They will also learn various aspects of foreign trade in India. • The students learn the state income of Chhattisgarh in the form of GSDP, Per capita income, sectorial contribution etc. • The students also learn about the importance of agriculture in Chhattisgarh's economy. • The students learn about various crops their production and productivity. • The students learn about various industries and infrastructure facilities in Chhattisgarh.	
6	CREDIT VALUE:	4 Credits	Credit= 15 Hours-Learning and observation
7	TOTAL MARKS:	Max Marks:100	Min Passing Marks:40

PART-B, CONTENT OF THE COURSE		
Total No. of Teaching-Learning Periods (01Hr per period) -60 Periods (60 Hours)		
UNIT	**TOPICS (Course Contents)**	**No of Periods**
UNIT I- AN INTRODUCTION TO INDIAN ECONOMY	1. INDIAN ECONOMY AT THE TIME OF INDEPENDENCE 2. POST INDEPENDENCE INDIAN ECONOMY	15

	3. DEVELOPMENT THROUGH FIVE YEAR PLANS 4. NITI AAYOG 5. NEW ECONOMIC REFORMS	
UNIT II- DEMOGRAPHY	1. DEMOGRAPHIC TRENDS OF INDIA 2. ISSUES OF EDUCATION, HEALTH, MALNUTRITION AND MIGRATION. 3. POVERTY AND INEQUALITY 4. UNEMPLOYMENT & OCCUPATIONAL DISTRIBUTION	15
UNIT III- AGRICULTURE	1. NATURE & IMPORTANCE OF AGRICULTURE 2. AGRICULTURE PRODUCTION & PRODUCTIVITY 3. MAJOR PROBLEMS IN INDIAN AGRICULTURE 4. LAND USE PATTERN & LAND REFORMS 5. NEW AGRICULTURE STRATIGIES & GREEN REVOLUTION	15
UNIT IV- INDUSTRY & FOREIGN TRADE	1. INDUSTRIAL GROWTH & PRODUCTIVITY 2. INDUSTRIAL POLICY & ECONOMIC REFORMS 3. MICRO, SMALL & MEDIUM INDUSTRIES (MSME) 4. PROBLEMS OF SMALL SCALE INDUSTRIES 5. PUBLIC ENTERPRIZES IN INDIA 6. ROLE OF FOREIGN TRADE IN INDIA'S DEVELOPMENT	15

Signature of Convener & Members CBoS:-

PART-C, LEARNING RESOURCES ,Reference Books& others

AUTHOR	TITLE	PUBLISHER
Uma Kapila	India Economy: Performance & Policies	Academic Foundation
Datt, Ruddar & K.P.M. Sundharam	Indian Economy	S. Chand & Co. new Delhi
Mishra & Puri	Indian Economy	Himalaya Publishing House
Govt. of India	Economic Survey (Various Issues)	Govt. of India
Brahmanand, P.R. & V.R. Panchmukhi (Eds)	The development process of the Indian Economy	Himalaya Publishing, Mumbai

मिश्रा एवं पुरी	भारतीय अर्थव्यवस्था	हिमालया पब्लिशिंग हाउस
अग्रवाल, ए. एन.	भारतीय अर्थव्यवस्था	न्यू ऐज इंटरनेशनल पब्लिशर्स
मिश्र, जे. पी.	भारतीय अर्थव्यवस्था	साहित्य भवन पब्लिकेशन, आगरा
छत्तीसगढ़ सरकार	आर्थिक सर्वेक्षण	आर्थिक एवं सांख्यिकीय संचालनालय, रायपुर
Uma Kapila	India Economy: Performance & Policies	Academic Foundation

Online Resources

1	https://epgp.inflibnet.ac.in
2	https;//vidyamitra.inflibnet.ac.in
3	https://vidyamitra.inflibnet.ac.in/index.php/search
4	https://www.swayamprabha.gov.in
5	https://www.rbi.org.in/
6	http://descg.gov.in
7	https://www.indiabudget.gov.in/economicsurvey/
8	https://www.cso.ie/en/index.html

PART-D ASSESSMENT & EVALUATION

Suggested Continuous Evaluation Methods:

Maximum Marks :100 Marks
Continuous Internal Assessment (CIA) : 30 Marks,
End Semester Exams (ESE) :70 marks

Continuous Internal Assessment (CIA): (By Course Teacher)	Internal Tests/Quiz–(2) : 20 & 20 Assignment/Seminar/Attendance - 10 Total Marks - 30	Better marks out of the two Test /Quiz +Obtained marks in Assignment shall be considered against 30 Marks
End Semester Exams (ESE) :	**Two Section – A & B** **Section A:** Q 1- Objective- 10x1=10 Marks Q 2-Short answer type- 5x4=20 Marks **Section B:** Descriptive answer type questions, 1 out of 2 from each unit - 4x10=40 Marks	

Signature of Convener & Members CBoS:-

चार वर्षीय स्नातक पाठ्यक्रम (2024-28)

अर्थशास्त्र विभाग

कोर्स करिकुलम

खंड – अ : परिचय			
पाठ्यक्रम : बैचलर इन आर्ट्स (सर्टिफ़िकेट / डिप्लोमा / डिग्री / आनर्स / आनर्स सह रिसर्च		**सेमेस्टर – II**	**सत्र – 2024-2025**
1	**कोर्स कूट**	ECSC - 02	
2	**कोर्स शीर्षक**	**भारतीय अर्थव्यवस्था की सामान्य जानकारी**	
3	**कोर्स प्रकार**	DSC	
4	**पूर्व अपेक्षित (यदि हो)**	आवश्यकता अनुरूप	
5	**कोर्स लर्निंग आउटकम (CLO)**	• छात्र आजादी से पहले और आजादी के बाद भारतीय अर्थव्यवस्था की स्थिति के बारे में सीखते हैं। • छात्र भारतीय अर्थव्यवस्था में योजना प्रक्रिया और इसकी उपलब्धियों के बारे में सीखते हैं। • छात्र वर्ष 1991 में भारतीय अर्थव्यवस्था में शुरू किए गए नए आर्थिक सुधारों और भारत के विकास में इसकी भूमिका से परिचित हुए। • छात्रों को कुछ सामाजिक समस्याओं जैसे अधिक जनसंख्या, शिक्षा, स्वास्थ्य और कुपोषण, गरीबी, बेरोजगारी आदि के बारे में पता चलेगा। • छात्र भारत में कृषि क्षेत्र की समस्याओं और संभावनाओं को सीखते हैं। • छात्र औद्योगिक विकास और औद्योगिक अर्थव्यवस्था में सुधार प्रक्रिया के विभिन्न पहलुओं को सीखते हैं। • छात्र भारतीय अर्थव्यवस्था पर विदेशी व्यापार की भूमिका सीखते हैं। वे भारत में विदेशी व्यापार के विभिन्न पहलुओं को भी सीखेंगे। • छात्र जीएसडीपी, प्रति व्यक्ति आय, क्षेत्रीय योगदान आदि के रूप में छत्तीसगढ़ की राज्य आय सीखते हैं। • छात्र छत्तीसगढ़ की अर्थव्यवस्था में कृषि के महत्व के बारे में भी सीखते हैं। • छात्र विभिन्न फसलों, उनके उत्पादन और उत्पादकता के बारे में सीखते हैं। • छात्र छत्तीसगढ़ में विभिन्न उद्योगों और बुनियादी सुविधाओं के बारे में सीखते हैं।	
6	**क्रेडिट महत्व**	4 क्रेडिट	क्रेडिट = 15 घंटे का अध्ययन / प्रशिक्षण/ प्रवेक्षण
7	**कुल अंक**	पूर्णांक - 100	उत्तीर्णांक - 40

खंड – ब : कोर्स की विषयवस्तु

कुल अध्यापन कालखंड (01घंटा प्रति काल खंड) – 60 कालखंड (60 घंटे)

इकाई	**प्रसंग (विषय वस्तु)**	**कालखंड की संख्या**
I - भारतीय अर्थव्यवस्था का परिचय	1. स्वतंत्रता के समय भारतीय अर्थव्यवस्था 2. स्वतंत्रता के बाद की भारतीय अर्थव्यवस्था 3. पंचवर्षीय योजनाओं के माध्यम से विकास 4. नीति आयोग 5. नए आर्थिक सुधार	**15**
II- जनांकिकी	1. भारत की जनसांख्यिकीय प्रवृत्तियाँ 2. शिक्षा, स्वास्थ्य, कुपोषण और प्रवासन के मुद्दे	**15**

FOUR YEAR UNDERGRADUATE PROGRAM(2024–28)
Department of Commerce and Management

COURSECURRICULUM

PART-A: Introduction				
Program:BachelorinBusiness Administration *(Certificate/ Diploma /Degree)*			**Semester- II**	Session:**2024-2026**
1	**CourseCode**	**BBSEC - 01**		
2	**CourseTitle**	**Soft Skill & Personality Development**		
3	**CourseType**	**Skill Enhancement Course (SEC)**		
4	**Pre-requisite(if, any)**	***Asperrequirement***		
5	**CourseLearning. Outcomes(CLO)**	➢ Determine Communication styles-types with examples, perception of each type of communication, quiz. ➢ Focus on various communication skills/listening/ stress management etc. ➢ Explain Etiquette-social and corporate-Types, Presentation skills, Interview techniques etc.		
6	**CreditValue**	**2 Credits (1C+1C)**	***Credit= 15Hours– Theoreticallearning and =30 Hours LaboratoryorField learning/Training***	
7	**TotalMarks**	**Max.Marks: 50**	**MinPassingMarks: 20**	

PART-B: Contentof theCourse

TotalNo.of Teaching–learningPeriods:
Theory – 15Periods(15Hrs) andLab.orFieldlearning/Training 30Periods(30Hours)

Module	Topics(Coursecontents)	No.of Period
Theory Contents	**What are soft skills:** The importance of soft skills in our lives - Types Of Soft Skills: Self-Management Skill - Aiming For Excellence: Developing Potential And Self-Actualisation **What is Personality:**Personality traits and tips to develop a good Personality; Self-analysis - Significance and methods of self-analysis; Self -presentation-What is Self-presentation, Strategies of self-presentation **Communication skills:**Process, elements, and importance - Ways to improve communication ;Nonverbal Communication: Issues And Types; Basics And Universals. **Body Language:** For Interviews; For Group Discussions; Gestures; Facial Expressions; Importance of Eye Contact, Body Movement, Role of Formal Attire. **Listening skills:** Importance and types; Ways to improve Active Barriers To Active Listening.	**15**
Lab./Field Training Contents	**Telephone Communication:** Basic Telephone Skills; Advanced Telephone Skills; Essential Telephone Skills; **Technology And Communication:** Technological Personality; Mobile - Personality? E-Mail Principles; How Not to Send E-Mails! E-Mail Etiquette; Netiquette. **Presentation skills:** Tips to make effective and engaging presentations; Overcoming Fear; **Group Discussions:**Tips for Success in GD's; How to Start, Lead and Conclude A GD; Types of GD; Do's & Don'ts and Mistakes to Avoid during a GD. **Interview skills:** Interview techniques; Mock Interviews-Dos and Don'ts, Tips on making a positive impression.	**30**
Keywords	***Soft Skills, Personality, Communication Skills, Listening Skills, Presentation Skills.***	

PART–C: LearningResources

TextBooks,ReferenceBooksandOthers

TextBooksRecommended–

1. Soft skills & Life skills: The dynamics of success-Nishitesh and Dr. Bhaskara Reddy Soft Skills-Dr. Alex.
2. Managing Soft skills-K. R Lakshminarayan and T. Murugavel
3. Soft skills and Professional Communication-Francis Peter S.J

4. The Ace of Soft skills-Gopalswamy Ramesh and Mahadevan Ramesh | Personality Development and Soft skills-Barun K. Mitra			
OnlineResources– **e - Book on Soft Skills and Personality Development; By Author – CA. M K Sridhar (The Institute of Chartered Accountants of India, Southern India Regional Council, Chennai.**			
OnlineResources– **https://www.amazon.in/Personality-Development-Handbook-D-Sabharwal/** **https://www.amazon.in/Personality-Development-Skills-Barun-Mitra/**			
PART-D:AssessmentandEvaluation			
Suggested Continuous Evaluation Methods: **Maximum Marks : 50Marks** **Continuous Internal Assessment(CIA): 15 Marks** **End SemesterExam(ESE) : 35Marks**			
Continuous InternalAssessment (CIA):(ByCourseCoordinator)	Internal Test / Quiz-(2):**10** & **10**Assignment/Seminar +Attendance - **05**Total Marks - **15**	Bettermarksout ofthe twoTest/ Quiz + obtained marks in Assignment shall beconsideredagainst **15** Marks	
End Semester Exam (ESE):	**Laboratory/FieldSkillPerformance:OnspotAssessment** **A. Performedthe Task basedonlearned skill- 20Marks** **B. Spottingbased ontools(written)– 10Marks** **C. Viva-voce(basedonprinciple/technology) -05Marks**		**Managed byCoordinator asperskilling**

NameandSignature ofConvener&Members of CBoS:

GOES TO 3RD SEMESTER

FOUR YEAR UNDERGRADUATE PROGRAM - (2024-28)

DEPARTMENT OF **HINDI**

COURSE CURRICULUM

PART -A : Introduction				
Program: Bachelor in Arts Certificate/Diploma/Degree/Honors		Semester - I		Session: 2024-25
1	Course Code	AEC-03		
2	Course Title	हिन्दी भाषा–1		
3	Course Type	Ability Enhancement Course		
4	Pre-requisite (if any)	As per requirement		
5	Course Learning Outcome (CLO)	1. विद्यार्थी हिन्दी भाषा एवं व्याकरण संबंधी ज्ञान से समृद्ध होंगे। 2. भाषा ज्ञान के माध्यम से भारतीय संस्कृति एवं भावनात्मक एकता के महत्व को समझने की क्षमता विकसित हो सकेगी। 3. मुहावरे एवं लोकोक्तियों का महत्व समझ सकेंगे। 4. व्यंग्य, निबंध एवं कविता विधा से परिचित होंगे। 5. निबंध लेखन एवं अपठित गंद्याश के माध्यम से विद्यार्थियो का बौद्धिक विकास हो सकेगा।		
6	Credit Value	2 Credits	(01 Credit = 15 Hours - learning & Observation)	
7	Total Marks	Maximum Marks : 50		Minimum Passing Marks : 20

PART -B : Content of the Course		
Total No. of Teaching-Learning Periods (01 Hr. Per Period) - 30 Periods (30 Hours)		
Unit	Topics (Course Contents)	No. of Period
I	**रचनाएं** भारत वंदना – सूर्यकांत त्रिपाठी 'निराला' (कविता) भोलाराम का जीव – हरिशंकर परसाई (व्यंग्य) चोरी और प्रायश्चित – महात्मा गांधी (निबंध)	8
II	**हिन्दी व्याकरण एवं शब्द रचना** उपसर्ग, प्रत्यय, संधि, समास पर्यायवाची शब्द, विलोम शब्द, अनेकार्थी शब्द, समश्रुत शब्द, अनेक शब्दों के लिए एक शब्द	7
III	**हिन्दी व्याकरण एवं रचना पक्ष** मुहावरे एवं लोकोक्तियां पारिभाषिक शब्दावली एवं हिन्दी में पदनाम, शब्द शुद्धि, वाक्य शुद्धि	8
IV	**रचनात्मक लेखन** निबंध लेखन अपठित गद्यांश (नोट विद्यार्थी को किसी एक विषय पर निबंध व प्रदत्त गद्यांश का शीर्षक तथा सारांश लिखना होगा।)	7
Keywords		

Signature of Convener & members (CBoS):

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PART -C : Learning Resource
Text Books, Reference Books and Others
1. भारतीयता के अमर स्वर – डॉ. धनंजय वर्मा, मध्यप्रदेश हिन्दी अकादमी 2. आधुनिक हिन्दी व्याकरण और रचना – डॉ. वासुदेव नंदन 3. हिन्दी भाषा और व्यवहार – डॉ. गंगा चरण त्रिपाठी 4. हिन्दी व्याकरण माला – डॉ. के.आर. गहिया, डॉ. विमलेश शर्मा 5. हिन्दी व्याकरण – कामता प्रसाद गुरू
Online Resources -
1 www.bookspace.in 2 https://libgmm.com 3 https://www.gkexams.com

PART -D : Assessment And Evaluation		
	Suggested Continuous Evaluation Methods : Maximum Marks : 50 Marks Continuous Internal Assessment (CIA) : 15 Marks End Semester Exam (ESE) : 35 Marks	
Coninuous Internal Assessment : (CIA) : (By Course Teacher)	Internal Test/Quiz-(2) : 10 & 10 Marks Assignment/Seminar+Attendance - 05 Total Marks 15	Better marks out of the two Text/Quiz obtained marks in assignment shall be considered against 15 Marks
End Semester Exam (ESE) :	Two Section - A&B Section A : Q1 Objective - 05X1=05 Marks Section A : Q2 Short Answer Type - 5X2=10 Marks Section B : Descriptive Answer Type Qts. 1 out of 2 From Each Unit - 4X5=20 Marks Total =35 Marks	

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