AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE, BELA, ROPAR, PUNJAB.

DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA 1st (1st SEM)

NAME OF THE COURSE : GENERAL ENGLISH I (BCA-111)

NAME OF FACULTY : MANDEEP KAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Apply fundamentals of critical thinking to reading writing and communicating.	MST, Class tests, Class Assignment.
CO 2	Explain new words (vocabulary) that will make students enable to use them while speaking and writing.	MST, Seminar, Class Assignment, Class tests, Rapid fire questions.
CO 3	Practice English grammar to aware the students about the correct usage of it.	MST, Quiz, Seminar, Class assignments, class tests,
CO 4	Designing letters for informal communication.	MST, Seminar, GD, Role play examples.
CO 5	Develop critical creative thinking skills that will make students enable to write essays and differentiate between objective and subjective writing.	MST, Participation in class, Class assignments, Class tests.
CO 6	Demonstrate knowledge of language skills while attempting translation	MST, Participation in class, Class assignments, Class tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA 1st (1st SEM)

NAME OF THE COURSE : PUNJABI (C) (BCA-112)

NAME OF FACULTY : JASPREET RAI (ASST. PROF.)

C.O. No.	Description Of Course Outcomes	Method/s Of Assessments
CO-1	ਨਾਵਲ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਨਾਲ ਜ਼ਿੰਦਗੀ ਦੀਆਂਲੋੜਾਂ ਤੇ ਮਜਬੂਰੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ,ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-2	ਲੇਖ ਲਿਖਣ ਕਾਰਨ ਆਪਣੇ ਵਿਚਾਰ ਰੱਖਣ ਕਾਰਨ ਆਪਣਾ ਪੱਖ ਸਪਸ਼ਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ
CO-3	ਭਾਸ਼ਾ ਦੀ ਧੁਨੀ ਵਿਉਂਤ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ,ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-4	ਭਾਸ਼ਾ ਦੇ ਸ਼ਬਦ ਦੀ ਵਿਉਂਤਬੰਦੀ ਸਿੱਖਣ ਕਾਰਨ ਭਾਸ਼ਾ ਮਾਹਿਰ ਬਣਦਾ ਹੈ।	ਤਖਤਾ ਟੈਸਟ
CO-5	ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨਾਂ ਨਾਲ ਵੱਡੀ ਗੱਲ ਨੂੰ ਥੋੜ੍ਹੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਕਹਿਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-6	ਸਹਿਜ ਰੂਪ ਵਿੱਚ ਭਵਿੱਖ ਲਈ ਤਿਆਰ ਹੁੰਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA-I (1st SEM)

NAME OF THE COURSE : FIT (BCA-113)

NAME OF FACULTY : MANDEEP SINGH (ASST. PROF.)

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Draw computer block diagram, Describe characteristics, generations and types of computer and computer components	Quizzes/Objective Test/Assignments/Exams
CO-2	Demonstrate Input and Outputs devices	Assignments/Rapid Fire Questions
CO-3	Defining Memory Hierarchy and various types of software's.	Class Tests/Exams/Home Assignments
CO-4	Illustrate the basics of computer languages.	Class Tests/Exams/Home Assignments
CO-5	Identify various types of number system in computer system and practices converting from one number system to another.	Group Discussing/ Problem solving/Quizzes
CO-6	demonstrate the definition and characteristics of data communication and computer networks	Viva/Oral Exam/Class Tests

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA-I (1st SEM)

NAME OF THE COURSE : PROGRAMMING USING C (BCA-114)

NAME OF FACULTY : MAMTA RAJPUT (ASST. PROF.)

C.O. No.	Description of Course Outcomes	Methods of Assessment
CO-1	Recognize the flowchart and design an algorithm for a given problem and to develop IC programs using operators.	Discussion Method
CO-2	Describe conditional and iterative statements to write C programs	Class Test, PPT, Lab
CO-3	Demonstrate user defined functions to solve real time problems	Assignment, Lab, MST
CO-4	Differentiate programs involving decision control statements, loop control statements and case control structures	Assignment, Discussion Method,
CO-5	Write program to enter data to the file, declaring and usage of pointer operations are being covered.	Lab Work, Class test
CO-6	Compare the difference between the Designing, Writing, Compilation and Debugging programs in C Language.	MST, Lab Work

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA 1ST (2nd SEM)

NAME OF THE COURSE : GENERAL ENGLISH II (BCA-121)

NAME OF FACULTY : GAGANDEEP KAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Apply fundamentals of critical thinking to reading writing and communicating.	MST, Class tests, Class Assignment.
CO 2	Explain new words (vocabulary) that will make students enable to use them while speaking and writing.	MST, Class Assignment, Class tests.
CO 3	Practise English grammar to aware the students about the correct usage of it.	MST, Class assignments, class tests,
CO 4	Designing letters for formal communication.	MST, Class test.
CO 5	Develop critical creative thinking skills that will make students enable to write essays and differentiate between objective and subjective writing.	MST, Participation in class, Class assignments, Class tests.
CO 6	Demonstrate knowledge of language skills while attempting translation	MST, Participation in class, Class assignments, Class tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA-I (2nd SEM)

NAME OF THE COURSE : PUNJABI - C (BCA-122)

NAME OF FACULTY : JASPREET RAI (ASST. PROF.)

C.O. No.	Description Of Course Outcomes	Method/s Of Assessments
CO-1	ਲੇਖਾਂ ਦਾ ਅਧਿਐਨ ਕਰਨ ਦੇ ਨਾਲ ਜ਼ਿੰਦਗੀ ਦੀਆਂ ਲੋੜਾਂ ਤੇ ਮਜਬੂਰੀਆਂ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ,ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-2	ਚਿੱਠੀ ਪੱਤਰ ਰਾਹੀਂ ਆਪਣੇ ਵਿਚਾਰ ਰੱਖਣ ਕਾਰਨ ਆਪਣਾ ਪੱਖ ਸਪਸ਼ਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ
CO-3	ਭਾਸ਼ਾ ਦੀ ਸ਼ਾਬਦਿਕ ਵਿਉਂਤ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ,ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-4	ਭਾਸ਼ਾ ਦੇ ਉੱਪ ਭਾਸ਼ਾ ਦੀ ਵਿਉਂਤਬੰਦੀ ਸਿੱਖਣ ਕਾਰਨ ਭਾਸ਼ਾ ਮਾਹਿਰ ਬਣਦਾ ਹੈ।	ਤਖਤਾ ਟੈਸਟ
CO-5	ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨਾਂ ਨਾਲ ਵੱਡੀ ਗੱਲ ਨੂੰ ਥੋੜੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਕਹਿਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-6	ਸਹਿਜ ਰੂਪ ਵਿੱਚ ਭਵਿੱਖ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ ਲਈ ਤਿਆਰ ਹੁੰਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ

AMAR SHAHEED BABA AJIT SINGH JUJHAR SINGH MEMORIAL COLLEGE BELA ROPAR PUNAJB

DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA-1 (2nd SEM)

NAME OF COURSE : DIGITAL ELECTRONICS (BCA-123)

NAME OF FACULTY : TARANJEET KAUR

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Define the fundamental concepts and techniques used in digital electronics	MST, CLASS TEST, VIVA
CO-2	Identify and demonstrate the function of logic gates.	MST, ASSIGNMENT, CLASS TEST
CO-3	Discuss the Boolean algebra laws and theorems	MST, VIVA, CLASS TEST
CO-4	Examine the structure of various number systems and its application in digital design.	MST, PPT CLASS TEST
CO-5	Demonstrate and examine the structure of combinational and sequential circuits.	MST, QUIZ, PPT, VIVA
CO-6	Demonstrate the working of flip flops, and convertors	MST, ASSIGNMENT, CLASS TEST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA-I (2nd SEM)

NAME OF THE COURSE : DATA STRUCTURE (BCA-124)

NAME OF FACULTY : RAKESH JOSHI (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Describe data structure, its types and operations.	Univ. Exam, MST, Test , Assignment
CO 2	Illustrate different data structures i.e.. arrays, stack, queue, link list.	Exam MST, MCQs, Practical
CO 3	Write algorithms for performing different operations on data structure.	Exam MST, Assignment, Test
CO 4	Design programs for different operations on data structure.	Exam MST, Practical, Test
CO 5	Identify different sorting and searching techniques.	Exam MST, Practical, Test
CO6	Develop program for sorting and searching.	Exam MST, Practical, Test

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA-I (2nd SEM)

NAME OF THE COURSE : BASIC MATHS (BCA-125)

NAME OF FACULTY : KIRANDEEP KAUR (ASST. PROF.)

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Reason mathematically about basic discrete structures such as numbers, sets, used in computer science.	Group discussion, board class assignments.
CO-2	Evaluate Group, Ring and Fields and 2D Geometry.	Authentic problem solving, assignments, class tests.
CO-3	Familiarity with Determinant and Matrices.	Authentic problem solving, black board test, assignments.
CO-4	Formulate Limit, Continuity and Differentiability	Authentic problem solving, assignments, class tests.
CO-5	Demonstrate a working knowledge Definite and Indefinite Integrals.	Authentic problem solving, black board test, assignments, group discussion.
CO-6	Explore the properties of complex numbers.	Authentic problem solving, black board test, assignments, class tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAM : **BCA-I (2nd SEM)**

NAME OF THE COURSE : **DRUG ABUSE: PROBLEM, MANAGEMENT AND PREVENTION**

NAME OF FACULTY : **RAKESH JOSHI (ASST. PROF.)**

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Identify the biological, environmental, behavioral, and social causes and consequences of drug use and addiction across the lifespan	Exam, MST, Test , Assignment
CO 2	Classify strategies to prevent drug use and its consequences	Exam MST, MCQs, Practical
CO 3	Identify the symptoms of drug addiction.	Exam MST, Assignment, Test
CO 4	Demonstrate impact of drug use across the lifespan.	Exam MST, Quiz, Test
CO 5	Describe methods of prevention and controls	Exam MST, Essay writing, Test
CO6	Identify the nature if problems using drugs	Exam MST, Presentation, Test

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA – 2 (3rd SEM)

NAME OF THE COURSE : ENGLISH COMMUNICATION SKILLS I (BCA-211)

NAME OF FACULTY : GAGANDEEP KAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Compare and contrast different genres of essays.	MST, Class tests, Class Assignment.
CO 2	Explain major themes of essays that will make students capable to raise significant question, to enhance their creative expressions and reach well reasoned conclusion.	MST, Class Assignment, Class tests, .
CO 3	Develop critical creative thinking skills that will make students enable to write essays and differentiate between objective and subjective writing.	MST, Class assignments, Class tests,
CO 4	Apply the LSRW skills.	MST, PPTs..
CO 5	Practice English grammar to aware the students about the correct usage of it.	MST, Participation in class, Class assignments, Class tests.
CO 6	Develop the fluency of language, and presentation skills.	MST, Participation in class, Class assignments, Class tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA – 2 (3rd SEM)

NAME OF THE COURSE : DISCREATE MATHAMATICS-I (BCA-212)

NAME OF FACULTY : SANJEEVANI (ASST. PROF.)

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Determine when a function is one-one and onto.	Group Discussion
CO-2	Demonstrate different traversal methods for trees.	Class Assignment/Authentic problem solving
CO-3	Model Problems in Computer Science using graphs.	Group Discussion/ Class Assignment
CO-4	Apply Counting Principle to determine Probability.	Authentic Problem Solving/ Seminar
CO-5	Work in a group to understand finite state machine language.	Class Assignment/Group Discussion
CO-6	Discriminate between an Eulerian Graph from a Hamiltonian graph for use in solving mathematical problems.	Class Assignment/ Group Discussion/ Authentic Problem Solving

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA – 2 (3rd SEM)

NAME OF THE COURSE : COMP. SYS. ORG & ARCH... (BCA-213)

NAME OF FACULTY : NEETU SHARMA (ASST. PROF.)

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Recognize the organization of computer, its design.	Class Test
CO-2	Explain the working of CPU, ALU and Register transfer Language.	Discussion Method, Viva
CO-3	Demonstrate the Memory organization, Virtual memory and DMA .	Class Test, MST
CO-4	Calculate Number System, binary codes, Boolean laws to minimize the Boolean expression and also design K-Maps for expressions.	Class Assignment, Home Assignment
CO-5	Design various combinational and sequential circuits	Assignment, MST
CO-6	Compare the working of different types of registers.	MST

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BELA ROPAR PUNAJB

DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA -2 (3rd SEM)

NAME OF COURSE : OOPs USING C++ (BCA-214)

NAME OF FACULTY : MAMTA DEVI

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Define the procedural and object-oriented paradigm with concepts of streams, classes, functions, data and objects.	Discussion Method ,Class Test, Lab
CO-2	Recognize dynamic memory management techniques using pointers, constructors, destructors, etc.	Discussion Method, Class Test
CO-3	Demonstrate the use of various OOPs concepts with the help of programs.	Class Test, MST
CO-4	Categorize inheritance with the understanding of early and late binding, usage of exception handling, generic programming..	Class Assignment, Home Assignment
CO-5	Develop the programs to apply concept of function overloading, operator overloading, virtual functions and polymorphism.	Assignment, MST
CO-6	Compare the concepts of C and C++.	MST, Lab Work , MST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA -2 (3rd SEM)

NAME OF COURSE : DATABASE MANAGEMENT SYSTEM (BCA-215)

NAME OF FACULTY : TARANJEET KAUR

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Define the basic concepts and appreciate the applications of database systems	MST, CLASS TEST, VIVA
CO-2	Discuss the advantages of DBMS applications over traditional file systems.	MST, ASSIGNMENT, GD
CO-3	Describe the various components of DBMS environment and their functions.	MST, PPT, CLASS TEST
CO-4	Generate solutions to model the data requirement for an application using ER model and normalization approach.	MST, ASSIGNMENT, CLASS TEST
CO-5	Formulate the queries to select, design, modify and other operation on database using MS ACCESS.	MST, LAB WORK, PPT, VIVA
CO-6	Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database.	MST, ASSIGNMENT, CLASS TEST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA -2 (3rd SEM)

NAME OF COURSE : EVS (BCA-219) – QUALIFYING EXAM

NAME OF FACULTY : IQBAL SINGH

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Describe the scope and importance concept of Biosphere	Assignments/Exams/Class Tests
CO-2	Explain ecosystem and its components, Biodiversity	Class Test/Group Discussion
CO-3	Explain natural resources–renewable and non - renewable resources.	Class Test/Group Discussion
CO-4	Describe environmental Pollution, Types, Causes, Effects and Controls.	Assignments/Exams/Class Tests
CO-5	Discuss environmental protection laws in India.	Class Test/Group Discussion
CO-6	Describe Human Communities and the Environment	Assignments/Exams/Class Tests

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA -2 (3rd SEM)**

NAME OF COURSE : **PUNJABI (BCA-219)**

NAME OF FACULTY : **DR.HARPREET KAUR**

C.O. No.	Description Of Course Outcomes	Method/s Of Assessments
CO-1	ਆਪਣੇ ਵਿਚਾਰ ਰੱਖਣ ਕਾਰਨ ਆਪਣਾ ਪੱਖ ਸਪਸ਼ਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ,ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-2	ਕੋਈ ਵੀ ਚੀਜ਼ ਮੰਗਵਾਉਣ, ਭੇਜਣ ਜਾਂ ਸ਼ਿਕਾਇਤ ਸੁਣਨ,ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ
CO-3	ਕਿਸੇ ਵੀ ਭਾਸ਼ਾ ਦੀ ਵਾਕ ਬਣਤਰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ, ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-4	ਵਾਕ ਦੀ ਵਿਉਂਤਬੰਦੀ ਸਿੱਖਣ ਕਾਰਨ ਭਾਸ਼ਾ ਮਾਹਿਰ ਬਣਦਾ ਹੈ।	ਤਖਤਾ ਟੈਸਟ
CO-5	ਵੱਡੀ ਗੱਲ ਨੂੰ ਥੋੜੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਕਹਿਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-6	ਸਹਿਜ ਰੂਪ ਵਿੱਚ ਭਵਿੱਖ ਲਈ ਤਿਆਰ ਹੁੰਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA -2 (4th SEM)**

NAME OF COURSE : **ENGLISH COMMUNICATION SKILLS II (BCA-221)**

NAME OF FACULTY : **GAGANDEEP KAUR (ASST. PROF.)**

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Develop critical and creative thinking skills by examine novel.	MST, Class tests, Class Assignment.
CO 2	Compare and contrast of characters of the Novel.	MST, Class Assignment, Class tests.
CO 3	Demonstrate an appreciation of the literature through discussion and written analysis.	MST, Class assignments, class tests.
CO 4	Develop the fluency of language, presentation skills and creative thinking through dialogue writing.	MST, Class tests.
CO 5	Practice English grammar to aware the students about the correct usage of it.	MST, Participation in class, Class assignments, Class tests.
CO 6	Apply the LSRW skills.	MST, Participation in class, Class assignments, Class tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA -2 (4th SEM)**

NAME OF COURSE : **COMPUTER NETWORKS (BCA-222)**

NAME OF FACULTY : **MAMTA RAJPUT (ASST. PROF.)**

C.O.No.	Description of Course Outcomes	Methods of Assessment
CO-1	Define Computer Network, Network Hardware and software hierarchies.	Discussion Method, Assignment, Class Test
CO-2	Explain OSI Model and TCP/IP Model in detail	Class Test, PPT, Assignment
CO-3	Illustrate the services to the transport layer, routing Algorithms.	Assignment, Discussion, MST
CO-4	Differentiate LAN, MAN, WAN, network structure and Architecture.	Assignment, Discussion Method, Class Test, PPT
CO-5	Write the different network security methods, Algorithms etc.	Class Test, MST
CO-6	Compare the difference between the reference models like difference between the OSI model and TCP/IP model	MST, Assignment, PPT

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA -2 (4th SEM)

NAME OF COURSE : MANAGEMENT INFO. SYSTEM (BCA-223)

NAME OF FACULTY : IQBAL SINGH (ASST. PROF.)

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Analysis business information and systems to facilitate evolution of satrapies alternatives.	Assignments/ Exams/Class Tests
CO-2	Describe meaning, definition and role of information system.	Class Test/Group Discussion
CO-3	Discuss the role and importance of management system.	Class Test/Group Discussion
CO-4	Develop MIS with different models.	Assignments/Exams/Class Tests
CO-5	Show the applications of information systems in Functional areas.	Class Test/Group Discussion
CO-6	Explain Definition and characteristics of Decision Support Systems.	Assignments/Exams/Class Tests

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA -2 (4th SEM)**

NAME OF COURSE : **COMPUTER ORIENTED NUMERICAL AND STATISTICAL METHODS (BCA-224)**

NAME OF FACULTY : **RUPINDER KAUR (ASST. PROF.)**

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Calculate the correlation coefficient for the given data.	Group discussion/ Authentic problem Solving.
CO-2	Find intermediate values by using Newton's forward and backward formula and Lagrange's formula.	Class Assignment/Authentic problem solving
CO-3	Explore the properties of differential equation by Euler, Taylor and Range Kutta method.	Group discussion/ Class Assignment
CO-4	Derive Simpson's 1/3, 3/8 rules using trapezoidal rule.	Authentic problem Solving/ Seminar
CO-5	Develop deeper and rigorous understanding of moment's newness and Kurtosis.	Class Assignment/Group Discussion
CO-6	Use Strategies introduced for determining the methods of mean, median and mode.	Class Assignment/ Group Discussion/ Authentic problem solving

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA -2 (4th SEM)

NAME OF COURSE : RELATIONAL DATABASE MANAGEMENT SYSTEM (BCA-225)

NAME OF FACULTY : TARANJEET KAUR (ASST. PROF.)

C.O. No.	Description of Course Outcome	Method/sof Assessment
CO-1	Identify the basic concepts and various data model used in database design ER modeling concepts and architecture use and design queries using SQL	MST, Class Test, Viva
CO-2	Apply relational database theory and be able to describe relational algebra expression, tuple and domain relation expression fro queries	MST, Assignment, Lab Work
CO-3	Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database	MST, Ppt, Class Test
CO-4	Recognize/ identify the purpose of query processing and optimization and also demonstrate the basic of query evaluation.	MST, Lab Work, Class Test
CO-5	Apply and relate the concept of transaction, concurrency control and recovery in database.	MST, Assignment, Ppt, Viva
CO-6	Discuss recovery system and be familiar with introduction to web database, distribute databases, data warehousing and mining.	MST, Assignment, Class Test

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAMME : BCA -2 (4th SEM)

NAME OF COURSE : PUNJABI (BCA-228)

NAME OF FACULTY : DR. HARPREET KAUR (ASST. PROF.)

C.O. No.	Description Of Course Outcomes	Method/s Of Assessments
CO-1	ਵਾਰਤਕ ਵਿਵੇਕ ਪੁਸਤਕ ਦੇ ਲੇਖ ਪੜਨ ਨਾਲ ਆਪਣੇ ਵਿਚਾਰ ਰੱਖਣ ਕਾਰਨ ਆਪਣਾ ਪੱਖ ਸਪਸ਼ਟ ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ,ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-2	ਚਿੱਠੀ ਪੱਤਰ ਸਿੱਖ ਕੇ ਕੋਈ ਵੀ ਚੀਜ਼ ਮੰਗਵਾਉਣ, ਭੇਜਣ ਜਾਂ ਸ਼ਿਕਾਇਤ ਸੁਣਨ, ਕਰਨ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ
CO-3	ਸ਼ਬਦ ਬਣਤਰ ਤੇ ਸ਼ਬਦ ਰਚਨਾ ਦੇ ਪੱਖ ਨੂੰ ਸਿੱਖ ਕੇ ਕਿਸੇ ਵੀ ਭਾਸ਼ਾ ਦੀ ਸ਼ਬਦ ਬਣਤਰ ਨੂੰ ਸਮਝਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਜਮਾਤੀ ਟੈਸਟ, ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-4	ਉੱਪ ਭਾਸ਼ਾਵਾਂ ਦੇ ਗਿਆਨ ਨਾਲ ਭਾਸ਼ਾ ਦੀ ਵਿਉਂਤਬੰਦੀ ਸਿੱਖਣ ਕਾਰਨ ਭਾਸ਼ਾ ਮਾਹਿਰ ਬਣਦਾ ਹੈ।	ਤਖਤਾ ਟੈਸਟ
CO-5	ਛੋਟੇ ਉੱਤਰਾਂ ਵਾਲੇ ਪ੍ਰਸ਼ਨਾਂ ਨਾਲ ਸਿਖਿਆਰਥੀ ਵੱਡੀ ਗੱਲ ਨੂੰ ਥੋੜੇ ਸ਼ਬਦਾਂ ਵਿੱਚ ਕਹਿਣ ਦੇ ਸਮਰੱਥ ਹੋ ਜਾਂਦਾ ਹੈ।	ਆਪਸੀ ਵਿਚਾਰ ਵਟਾਂਦਰਾ
CO-6	ਸਹਿਜ ਰੂਪ ਵਿੱਚ ਭਵਿੱਖ ਦੀਆਂ ਸੰਭਾਵਨਾਵਾਂ ਲਈ ਤਿਆਰ ਹੁੰਦਾ ਹੈ।	ਅਸਾਈਨਮੈਂਟ

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA – 3 (5th SEM)**

NAME OF COURSE : **ENGLISH LITERARY SKILLS II (BCA- 311)**

NAME OF FACULTY : **GAGANDEEP KAUR (ASST. PROF.)**

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Defining characteristics of poetry so that students will be able to explore a variety of poetic genres.	MST, Class Tests, Class Assignment.
CO 2	Develop the ability to respond to a variety of situation and contexts by shifting voice, tone, level formality, design, medium and structure.	MST, Class Assignment, Class Tests.
CO 3	Designing job application for formal communication.	MST, Class Assignments, class Tests.
CO 4	Apply the LSRW skills.	MST, PPTs.
CO 5	Practice English grammar to aware the students about the correct usage of it.	MST, Participation in class, Class Assignments, Class Tests.
CO 6	Develop the fluency of language, presentation skills and creative writing.	MST, Participation in class, Class Assignments, Class Tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA – 3 (5th SEM)**

NAME OF COURSE : **SYSTEM ANALYSIS & DESIGN (BCA- 312)**

NAME OF FACULTY : **IQBAL SINGH (ASST. PROF.)**

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Describe the system, types of system, functions of system.	Quizzes/Objective Test/Assignments/Exams
CO-2	Explain various phases of System Development Life Cycle.	Quizzes/Objective Test/Assignments/Exams
CO-3	Create structured analysis tools and System Design.	Group Discussing/Reports
CO-4	Design feasibility Study.	Reports
CO-5	Demonstrate system implementation and perform maintenance.	Tests/Quizzes
CO-6	Select hardware and software for system implementation.	Class Test/Exams

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA – 3 (5th SEM)**

NAME OF COURSE : **SYSTEM SOFTWARE (BCA- 313)**

NAME OF FACULTY : **MAMTA DEVI (ASST. PROF.)**

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Recognize the system software and its types like editors, compiler, assembler, linker, loader, interpreter and debugger..	Class Test, Assignment, Discussion
CO-2	Describe the various concepts of assemblers and macro-processors.	MST, Class Test
CO-3	Demonstrate the various phases of compiler and compare its working with assembler	Assignment, Class Test, MST
CO-4	Analyze how linker and loader create an executable program from an object module created by assembler and compiler.	Class Test, PPT
CO-5	Write the various editors and debugging techniques	MST, Class Test
CO-6	Compare the different software tools for programming development.	Class Test, Assignment, MST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEAPRTMENT : **DEPARTMENT OF COMPUTER SCIENCE**

NAME OF THE PROGRAMME : **BCA – 3 (5th SEM)**

NAME OF COURSE : **JAVA PROGRAMMING (BCA- 314)**

NAME OF FACULTY : **NEETU SHARMA (ASST. PROF.)**

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Describe the procedural and object oriented paradigm and OOP's concepts.	Class Test, Assignment, Discussion
CO-2	Knowledge of the structure and model of the Java Programming	MST, Class Test
CO-3	To provide the knowledge about Java tokens, statements, constant , variables & data types.	Assignment, Class Test, MST
CO-4	Describe the concept of classes, objects, members of a class.	Class Test, PPT
CO-5	Classify inheritance with the understanding of early and late binding, implementing multiple inheritance by using interface usage of exception handling.	MST, Class Test
CO-6	Demonstrate the use of Multithreading with the help of programs.	Class Test, Assignment, MST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA – 3 (5th SEM)

NAME OF THE COURSE : WEB DESIGNING WITH HTML

NAME OF FACULTY : RAKESH JOSHI (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Describe markup languages and the concepts of HTML & DHTML.	Univ. Exam, MST, Test , Assignment
CO 2	Identify the terminology and concepts of the Internet and web designing.	Exam MST, Assignment, MCQs, Quiz
CO 3	Apply and Contrast markup languages and programming languages.	Exam MST, Assignment, Test
CO 4	Develop static web pages using html tags.	Exam MST, Practical, Project
CO 5	Create a forms and frames.	Exam MST, Practical, Project
CO6	Design frames and use CSS sheets.	Exam MST, Practical, Project

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA – 3 (5th SEM)

NAME OF THE COURSE : PUNJABI (G) (BCA-317)

NAME OF FACULTY : HARPREET SINGH (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	ਬੱਚਿਆਂ ਨੂੰ ਮਾਂ ਬੋਲੀ ਵਿੱਚ ਸਿੱਖਿਆ ਦੇ ਕੇ ਉਹਨਾਂ ਨੂੰ ਸਹਿਜ ਰੂਪ ਵਿੱਚ ਆਉਣ ਵਾਲੇ ਭਵਿੱਖ ਲਈ ਤਿਆਰ ਕਰਨਾ।	Class Behavior, GD
CO 2	ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਰਾਂਹੀ ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਲੋਕ-ਧਾਰਾ ਦੇ ਵਿਸ਼ੇ ਪੜ੍ਹਾ ਕਿ ਉਹਨਾਂ ਵਿੱਚ ਵੱਖ-ਵੱਖ ਹੁਨਰਾਂ ਦੀ ਹੁਨਰਮੰਦੀ ਕਰਨੀ।	MST, Seminar
CO 3	ਵਿਆਕਰਣ ਦੁਆਰਾ ਆਪਣੀ ਭਾਸ਼ਾ ਵਿੱਚ ਪਰਪੱਕ ਕਰਨ ਦੇ ਨਾਲ-ਨਾਲ ਹੋਰਨਾਂ ਭਸ਼ਾਵਾਂ ਨੂੰ ਸਿੱਖਣ ਵਿੱਚ ਨਿਪੁੰਨ ਬਣਾਉਣ ਦਾ ਮਨੋਰਥ।	MST, Quiz, Seminar
CO 4	ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿੱਚ ਲੱਗੇ ਪਾਠਕਰਮ ਦੁਆਰਾ ਸਮਾਜਿਕ,ਆਰਥਿਕ,ਰਾਜਨਿਤਿਕ ਅਤੇ ਵਾਤਾਵਰਣ ਆਦਿ ਖੇਤਰਾਂ ਵਿੱਚ ਸਮਾਯੋਜਨ ਕਰਨਾ ਸਿਖਾਉਣਾ।	MST, Seminar, GD
CO 5	ਆਪਣੇ ਗੌਰਵਮਈ ਵਿਰਸੇ ਨੂੰ ਅਗਲੀਆਂ ਪੀੜੀਆਂ ਨੂੰ ਹਸਤਾਂਤਰਿਤ ਕਰਨ ਲਈ ਸੇਧ ਦੇਣੀ।	MST, Seminar, GD, Role play examples
CO6	ਜਿੰਦਗੀ ਨੂੰ ਬੋਝ ਨਾ ਸਮਝਕੇ ਕਲਾਮਈ ਢੰਗ ਨਾਲ ਜੀਉਣਾ ਸਿਖਾਉਣਾ।	MST, Participation in class, Initiatives taken.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA – 3 (6th SEM)

NAME OF THE COURSE : ENGLISH LITERARY SKILLS II (BCA-321)

NAME OF FACULTY : GAGANDEEP KAUR (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	Defining characteristics of poetry so that students will be able to explore a variety of poetic genres.	MST, Class tests, Class Assignment.
CO 2	Develop the ability to respond to a variety of situation and contexts by shifting voice, tone, level formality, design, medium and structure.	MST, Class Assignment, Class tests.
CO 3	Designing job application for formal communication.	MST, Class assignments, class tests.
CO 4	Apply the LSRW skills.	MST, PPTs.
CO 5	Practice English grammar to aware the students about the correct usage of it.	MST, Participation in class, Class assignments, Class tests.
CO 6	Develop the fluency of language, presentation skills and creative writing.	MST, Participation in class, Class assignments, Class tests.

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA – 3 (6th SEM)

NAME OF THE COURSE : E-COMMERCE (BCA-322)

NAME OF FACULTY : MANDEEP SINGH (ASST. PROF.)

C.O. No.	Description of Course Outcome	Method/sof Assessment
CO-1	Define and differentiate various types of e-commerce.	Objective Test/Assignments/ Exams/Class Tests
CO-2	Explain payment System for e-commerce.	Class Test/Group Discussion
CO-3	Describe the process of selling and marketing on web..	Class Test/Group Discussion
CO-4	Classify internet, www, security and web.	Lab work/Home Assignments
CO-5	Describe Consumer-oriented applications.	MCQ Test/Home Assignments
CO-6	Explain Electronic Data Interchange and Legal, Ethical and other public policy issues related to e-commerce	Assignments/ Class Test

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA – 3 (6th SEM)

NAME OF THE COURSE : OPERATING SYSTEM (BCA-323)

NAME OF FACULTY : IQBAL SINGH (ASST. PROF.)

C.O. No.	Description of Course Outcome	Method/s of Assessment
CO-1	Discuss the operating system, types and functions of operating system.	Objective Test/Assignments/ Exams/Class Tests
CO-2	Practice various CPU scheduling algorithm.	Problem Solving/ Class Test/Group Discussion
CO-3	Identify Deadlock condition in operating system, Explain various deadlock preventions techniques.	Problem Solving/ Class Test/Group Discussion
CO-4	Explain memory hierarchy, methods of memory access and memory allocation techniques.	Assignments/Exams/Class Tests
CO-5	Practice various page replacement algorithm and disk allocation algorithm.	Problem Solving/ Class Test/Group Discussion
CO-6	Explain various security techniques. Threats, Cryptography.	Assignments/Exams/Class Tests

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA – 3 (6th SEM)

NAME OF THE COURSE : SOFTWARE ENGINEERING (BCA-324)

NAME OF FACULTY : MANPREET KAUR (ASST. PROF.)

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Define the procedural and object-oriented paradigm with concepts of streams, classes, functions, data and objects.	Discussion Method ,Class Test, Lab
CO-2	Recognize dynamic memory management techniques using pointers, constructors, destructors, etc.	Discussion Method, Class Test
CO-3	Demonstrate the use of various OOPs concepts with the help of programs.	Class Test, MST
CO-4	Categorize inheritance with the understanding of early and late binding, usage of exception handling, generic programming..	Class Assignment, Home Assignment
CO-5	Develop the programs to apply concept of function overloading, operator overloading, virtual functions and polymorphism.	Assignment, MST
CO-6	Compare the concepts of C and C++.	MST, Lab Work , MST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF HUMANITIES

NAME OF THE PROGRAM : BCA – 3 (6th SEM)

NAME OF THE COURSE : WEB DESIGN USING ASP.NET (BCA-325)

NAME OF FACULTY : MAMTA RAJPUT (ASST. PROF.)

C.O. No.	Description of Course Outcome	Methods of Assessment
CO-1	Define Genesis of .NET, advantages and disadvantages of .net framework.	Class Test, Discussion, Lab work
CO-2	Describe Common Language system, Microsoft intermediate languages, meta data, .Net types.	MST, Class Test, PPT
CO-3	Illustrate Variables, Constants, data types, Operators, Array events.	Assignment, Class Test, MST
CO-4	Analyze Validation control, Validation summary Control.	Class Test, PPT
CO-5	Design dropdown list control, Radio Button, list control, Grid view controls.	MST, Class Test, Lab work
CO-6	Attach the pages using Master Pages in ASP .NET.	Lab Work, MST

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DESCRIPTION OF COURSE OUTCOMES

NAME OF THE DEPARTMENT : DEPARTMENT OF COMPUTER SCIENCE

NAME OF THE PROGRAM : BCA – 3 (6th SEM)

NAME OF THE COURSE : PUNJABI (G)

NAME OF FACULTY : HARPREET SINGH (ASST. PROF.)

CO No.	Description of Course Outcomes	Method/s of Assessment
CO 1	ਬੱਚਿਆਂ ਨੂੰ ਮਾਂ ਬੋਲੀ ਵਿੱਚ ਸਿੱਖਿਆ ਦੇ ਕੇ ਉਹਨਾਂ ਨੂੰ ਸਹਿਜ ਰੂਪ ਵਿੱਚ ਆਉਣ ਵਾਲੇ ਭਵਿੱਖ ਲਈ ਤਿਆਰ ਕਰਨਾ।	Class Behavior, GD
CO 2	ਜਿੰਦਗੀ ਦੇ ਵੱਖ-ਵੱਖ ਪਾਤਰਾਂ ਦੀ ਪੇਸ਼ਕਾਰੀ ਰਾਹੀਂ ਸਮੱਸਿਆਵਾਂ ਨਾਲ ਸਿਲਝਣ ਦੀ ਕਲਾ ਦੇਣੀ।	MST, Seminar
CO 3	ਵਿਆਕਰਣ ਦੁਆਰਾ ਆਪਣੀ ਭਾਸ਼ਾ ਵਿੱਚ ਪਰਪੱਕ ਕਰਨ ਦੇ ਨਾਲ-ਨਾਲ ਹੋਰਨਾਂ ਭਸ਼ਾਵਾਂ ਨੂੰ ਸਿੱਖਣ ਵਿੱਚ ਨਿਪੁੰਨ ਬਣਾਉਣ ਦਾ ਮਨੋਰਥ।	MST, Quiz, Seminar
CO 4	ਵਿਦਿਆਰਥੀਆਂ ਨੂੰ ਪੰਜਾਬੀ ਭਾਸ਼ਾ ਵਿੱਚ ਲੱਗੇ ਪਾਠਕਰਮ ਦੁਆਰਾ ਸਮਾਜਿਕ,ਆਰਥਿਕ,ਰਾਜਨਿਤਿਕ ਅਤੇ ਵਾਤਾਵਰਣ ਆਦਿ ਖੇਤਰਾਂ ਵਿੱਚ ਸਮਾਯੋਜਨ ਕਰਨਾ ਸਿਖਾਉਣਾ।	MST, Seminar, GD
CO 5	ਆਪਣੇ ਗੌਰਵਮਈ ਵਿਰਸੇ ਨੂੰ ਅਗਲੀਆਂ ਪੀੜੀਆਂ ਨੂੰ ਹਸਤਾਂਤਰਿਤ ਕਰਨ ਲਈ ਸੇਧ ਦੇਣੀ।	MST, Seminar, GD, Role play examples
CO6	ਜਿੰਦਗੀ ਨੂੰ ਬੋਝ ਨਾ ਸਮਝਕੇ ਕਲਾਮਈ ਢੰਗ ਨਾਲ ਜੀਉਣਾ ਸਿਖਾਉਣਾ।	MST, Participation in class, Initiatives taken.