

Class: B. Sc. Physical Science (Computer Science) Semester - I

Paper Code: Core Paper 1

Paper Title: Problem Solving Using Computer

Internal Assessment Schedule

Date	Component	Objectives	Marks	Scope	Evaluation Policy
19-9-2016	Assignment-1	Evaluating the understanding of students about concepts covered till date as this assignment covers major features of syllabus done so far.	10	Introduction to Computers, Characteristics of Computers, Uses of computers, Types and generations of Computers. Basic Computer Organization, Units of a computer, CPU, ALU, memory hierarchy, registers, I/O devices.	Extent of completeness – 6 points out of ten, remaining 4 points will be provided on the basis of correctness of solutions.
09-2016 During theory class at 8:30	Test-1	Checking the progress in formulating best possible method of problem solving using python programming.	20	Programming with Python, Program design, Debugging, Types of errors in programming, Documentation	Marks awarded for complete and precise solutions to the problems given in the test. No negative marking for incorrect solutions.
7-10-2016	Assignment -2	Verification of students understanding of programming skills.	10	Programs and questions based on iterations and recursion, object-oriented programming and data structures.	Iterations and recursion -25%, Object-oriented programming- 25%, Data structures - 50%.

Important:

1. Please note that for assignments submitted after last date of submission will have negative marking of 2 marks.
2. In order to compute final score of internal assessment:
Attendance: 5 marks
Test: 10 marks (20/2 =10)
Assignment: 10 marks ((assignment1+assignment2)/2)
Total: 25 marks

Class: B. Sc. Physical Science (Computer Science) Semester - III

Paper Code: Core Paper 3

Paper Title: Operating Systems

Internal Assessment Schedule

Date	Component	Objectives	Marks	Scope	Evaluation Policy
24-08-2016 during practical class at 9.30am	Test-1	Check the progress	10	Part -1 Overview of operating system and its structure	Marks awarded for well written solutions
19-08-2016 and 26-08- 2016 during class at 10.30 am	Assignment -1 (Power Point Presentations)	To understand common features of an operating system and how they are structured	5	Comparison of various types of Operating Systems	Content of the ppt – 3 Marks Proper Presentation – 2 Marks
28-09-2016 10.30 am	Test -2	Check the progress	5	Part – 2 Process Management	Marks awarded for well written solutions
2,3 & 4 Nov- 2016	Assignment -2 (Power Point Presentations)	Demonstrate the understanding of the topic + Revision of the syllabus	5	Part -2 and 4	Content of the ppt – 3 Marks Proper Presentation – 2 Marks
26-10-2016	Test-3	Revision of the syllabus	10	Part -2 and 4	Marks awarded for well written solutions

Class: B. Sc. Physical Science (Computer Science) Semester - V

Paper Code: CSPT 505

Unique Paper Code: 234561

Paper Title: Computer Networks

Internal Assessment Schedule

Date	Component	Objectives	Marks	Scope	Evaluation Policy
23-09-2016	Assignment-1	Evaluating the understanding of students about concepts covered till date as this assignment covers major features of syllabus done so far.	10	Components of data communication, OSI model and TCP/IP model overview, Data Link layer (error control and flow control)	Extent of completeness – 6 points out of ten, remaining 4 points will be provided on the basis of correctness of solutions.
28-09-2016 During theory class at 8:30	Test-1	Checking the progress in formulating best possible method of error and flow control and understanding of simple concepts of data communication at data link layer.	20	Network classification, network topologies, network protocol, layered network architecture, framing techniques, CSMA/CD and CSMA/CA	Marks awarded for complete and precise solutions to the problems given in the test. No negative marking for incorrect solutions.
During theory as well as practical classes in last week of October and first week of November	Assignment -2 As series of presentations, presented by students individually	Enhancing and enriching the learning process with the help of audio visual method, having active participation from students.	10	Basic data communication concepts, Network Categories, Network Relationships, Network Topologies, Network Layer, Virtual Circuits and Datagram approach, IP addressing, Sub-netting, Routing algorithms, application layer protocols and services.	Students are judged on the basis of the content of their presentations and their presentation skills.

Important:

1. Please note that for assignments submitted after last date of submission will have negative marking of 2 marks.
2. In order to compute final score of internal assessment:
 - Attendance: 5 marks
 - Test: 10 marks ($20/2 = 10$)
 - Assignment: 10 marks $((\text{assignment1} + \text{assignment2})/2)$
 - Total: 25 marks