

2018-19

Title	Modules of Syllabus, Classes and Examinations
Session	2018-19 (Odd Semester)
Department	B.Sc General in Computer Science
Institution Name	Hiralal Bhakat College, Nalhati, Birbhum, W.B.
Coordinator	Sk Abdul Hanif, SACT in Computer Science

Details of Courses of B.Sc. General under CBCS

Sl.	Course	Credit		Marks
1.	Core Course (12 Papers) 4 core papers each in 3 disciplines of choice	Theory+Practical $12 \times (4+2) = 72$	Theory+Tutorial $12 \times (5+1) = 72$	$12 \times 75 = 900$
2.	Elective Course DSE (6 Papers)	$6 \times (4+2) = 36$	$6 \times (5+1) = 36$	$6 \times 75 = 450$
3	Ability Enhancement Core Course (AECC) AECC-1 (ENVS) AECC-2 (English/MIL)	$4 \times 1 = 4$ $2 \times 1 = 2$	$4 \times 1 = 4$ $2 \times 1 = 2$	100 50
4.	SEC (4 Papers)	$4 \times 2 = 8$	$4 \times 2 = 8$	$4 \times 50 = 200$
Total Credit:		122	122	1700

B.Sc. Computer Science General Course Structure

Semester	Course Course (CC)	Discipline Specific Elective (DSE)	Ability Enhancement Course	
			AECC (2)	SEC (4)
I	CC1A (Mathematics) CC2A (Physics) CC3A (Computer Sc.)		AECC-1	
II	CC1B (Mathematics) CC2B (Physics) CC3B (Computer Sc.)		AECC-2	
III	CC1C (Mathematics) CC2C (Physics) CC3C (Computer Sc.)			SEC-1 (Mathematics) or SEC-1 (Computer Sc.)
IV	CC1D (Mathematics) CC2D (Physics) CC3D (Computer Sc.)			SEC-2 (Mathematics) or SEC-2 (Computer Sc.)
V		DSE1A (Mathematics) DSE2A (Physics) DSE3A (Computer Sc.)		SEC-3 (Computer Science) or SEC-3 (Physics)
VI		DSE1B (Mathematics) DSE2B (Physics) DSE3B (Computer Sc.)		SEC-4 (Computer Science) or SEC-4 (Physics)

Semester-I

Core Course (CC 3A): Problem Solving using Computer

- Total 75 Marks
- 60 Marks for Semester-end-Examination[#] (will be organized by University)
- 10+5=15 Marks for Internal Assessment (will be organized by College in general and Department in Particular)
- 10 Marks for Class Test/ Assignment/ Seminar
- 5 Marks for Attendance
 - Attendance: 50% & above but below 60% - 2 Marks
 - Attendance: 60% & above but below 75% - 3 Marks
 - Attendance: 75% & above but below 90% - 4 Marks
 - Attendance: 90% & Above - 5 Marks

Internal Assessment	Component 1 (C ₁)	Component 2 (C ₂)
Weightage	5 Marks	5 Marks
Number of Questions	5	5
Date	14-09-2018	26-11-2018
Time	1.30 pm	1.30 pm
Syllabus	Introduction to Computers, Basic Computer Organization, Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation. Flowcharting, decision table, algorithms, Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming.	Introduction to Computers, Basic Computer Organization, Concept of problem solving, Problem definition, Program design, Debugging, Types of errors in programming, Documentation. Flowcharting, decision table, algorithms, Structured programming concepts, Programming methodologies viz. top-down and bottom-up programming. Input and Output Statements, Control statements (Looping- while loop, for loop , loop Control, Conditional Statement, if...else , Difference between break, continue and pass).
Name Of the Teachers	Sk Abdul Hanif	Sk Abdul Hanif
Number Of Classes	40 (Tentative)	72 (Tentative)

#Component 3 (C₃)

- Whole Syllabus of CC 1A
- Theory (**Problem Solving using Computer**) = 40 Marks

Answer 05 questions out of 08 carrying 02 marks each = $05 \times 02 = 10$ marks

Answer 02 questions out of 04 carrying 05 marks each = $02 \times 05 = 10$ marks

Answer 02 questions out of 04 carrying 10 marks each = $02 \times 10 = 20$ marks

- Practical (Software Lab using Python) = 20 Marks

Laboratory Note Book: 05 Marks

Viva- voce: 05 Marks

Experiment: 10 Marks

- A project File (Minimum 10 Programs) is to be submitted.

**Coordinator
Science Wing
Hiralal Bhakat College**

**Head
Department of *Comp. Science*
Hiralal Bhakat College
Nalhati, Birbhum**



Signature,
Teacher-in-Charge
Hiralal Bhakat College
Nalhati, Birbhum.

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