

The University of Burdwan



Syllabus of BCA (w.e.f 2018-2019)

Semester 1

Sl No	Course Code	Topic		
			University Exam	Sessional
1	BCA101	Computer fundamental and PC Software	80	20
2	BCA102	Introduction to C Programming	80	20
3	BCA103	Mathematics-I	80	20
4	BCA104	Principals of Accounting	80	20
5	BCA105	English Language and Communication	80	20
6	BCA106	Software Lab –I (PC Software)	80	20
7	BCA107	Software Lab –II (Programming in C)	80	20

Semester 2

Sl No	Course Code	Topic		
			University Exam	Sessional
1	BCA201	Digital Logic	80	20
2	BCA202	Data Structure with C Language	80	20
3	BCA203	Mathematics-II	80	20
4	BCA204	Computer Network	80	20
5	BCA205	Database Management System	80	20
6	BCA206	Digital Electronics Lab	80	20
7	BCA207	Software Lab-III (DBMS and Data Structure Lab)	80	20

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Semester 3

Sl No	Course Code	Topic		
			University Exam	Sessional
1	BCA 301	Operating System	80	20
2	BCA 302	Computer Organization and Architecture	80	20
3	BCA 303	Object Oriented Programming using C++	80	20
4	BCA 304	Mathematics-III	80	20
5	BCA 305	Unix and Shell Programming	80	20
6	BCA 306	Software Lab-IV(Programming in C++)	80	20
7	BCA 307	Software Lab – V (Unix and Shell Program)	80	20

Semester 4

Sl No	Course Code	Topic		
			University Exam	Sessional
1	BCA 401	Software Engineering	80	20
2	BCA 402	Introduction to microprocessor	80	20
3	BCA 403	Internet and E- commerce	80	20
4	BCA 404	Java programming	80	20
5	BCA 405	Computer Graphics	80	20
6	BCA 406	Software Lab- VI(Java Programming)	80	20
7	BCA 407	Software Lab- VII(Assembly Language Programming (8085), Graphics Programming using C).	80	20

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Semester 5

Sl No	Course Code	Topic		
			University Exam	Sessional
1	BCA501	System Software	80	20
2	BCA502	Web Programming and .NET Technology	80	20
3	BCA503	Python Programming	80	20
4	BCA 504	Principles of Management	80	20
5	BCA 505	Intelligent Systems	80	20
6	BCA506	Software Lab- VIII(Web Programming Lab)	80	20
7	BCA507	Software Lab- IX(Programming in VB)	80	20

Semester 6

Sl No	Course Code	Topic		
			University Exam	Sessional
1	BCA 601	Elective I	80	20
2	BCA 602	Elective II	80	20
3	BCA 603	Major Project & Viva	80	20

Elective I:

- Theory of Computation
- Image Processing

Elective II:

- PHP Programming
- Advance Networking & Communication

Note: From 2020-2021 Session marks distribution for practical and project papers are 80 : 20