



BRAINWARE UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE
Bachelor of Technology in Computer Science & Engineering 2017

SEMESTER – I

Paper Code	Paper Name	L - T - P	Credits	Total Marks
MB101	Management -I	3 - 1 - 0	4	100
PH101	Engineering Physics I	3 - 1 - 0	4	100
M101	Numerical Analysis and Operation Research	3 - 1 - 0	4	100
BCSE101	Basic Computation and Principles of Programming	3 - 1 - 0	4	100
HU192	Communicative English I Lab	0 - 0 - 4	2	100
PH191	Engineering Physics I Lab	0 - 0 - 4	3	100
M191	Numerical Analysis and Operation Research Lab	0 - 0 - 4	3	100
BCSE191	C Programming Lab	0 - 0 - 4	3	100
ME191	Engineering Drawing	0 - 0 - 4	3	100
	NSS			
	Total		30	900

SEMESTER – II

Paper Code	Paper Name	L - T - P	Credits	Total Marks
ENV201	Environmental Studies	4 - 0 - 0	4	100
MB201	Management- II	3 - 1 - 0	4	100
PH201	Engineering Physics II	3 - 1 - 0	4	100
M201	Discrete Mathematics	3 - 1 - 0	4	100
BCSE201	Data Structure and Algorithm	3 - 1 - 0	4	100
HU292	Communicative English II Lab	0 - 0 - 4	2	100
PH291	Engineering Physics II Lab	0 - 0 - 4	3	100
BCSE291	Data Structure and Algorithm Lab	0 - 0 - 4	3	100
ME291	Workshop	0 - 0 - 4	3	100
	Total		31	900



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SEMESTER – III

Paper Code	Paper Name	L - T - P	Credits	Total Marks
EC301	Electronic Communication Concepts	3 - 1 - 0	4	100
M301	Statistics and Probability	3 - 1 - 0	4	100
BCSE301	Digital Electronics	3 - 1 - 0	4	100
BCSE302	Operating Systems	3 - 1 - 0	4	100
BCSE303	Computer Organization and Architecture	3 - 1 - 0	4	100
HU392	Communicative English III Lab	0 - 0 - 4	2	100
BCSE391	Digital Electronics Lab	0 - 0 - 4	3	100
BCSE392	Operating System Lab	0 - 0 - 4	3	100
BCSE393	Computer Organization and Architecture Lab	0 - 0 - 4	3	100
	Total		31	900

SEMESTER – IV

Paper Code	Paper Name	L - T - P	Credits	Total Marks
BCSE401	Design and Analysis of Algorithm	3 - 1 - 0	4	100
BCSE402	Object Oriented System	3 - 1 - 0	4	100
BCSE403	Computer Graphics	3 - 1 - 0	4	100
BCSE404	Formal Language and Automata	3 - 1 - 0	4	100
HU492	Communicative English IV Lab	0 - 0 - 4	2	100
BCSE491	Algorithms with Python Lab	0 - 0 - 4	3	100
BCSE492	Object Oriented System with Java Lab	0 - 0 - 4	3	100
BCSE493	Computer Graphics Lab	0 - 0 - 4	3	100
BCSE494	Modern Application Development Lab-I	0 - 0 - 4	3	100
	Total		30	900

SEMESTER – V

Paper Code	Paper Name	L - T - P	Credits	Total Marks
BCSE501	Database Management System	3 - 1 - 0	4	100



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BCSE502	Computer Networks and Internet	3 - 1 - 0	4	100
BCSE503	Multimedia	3 - 1 - 0	4	100
BCSE504	A. Image Processing B. Artificial Intelligence	3 - 1 - 0	4	100
BCSE505	Compiler Design	3 - 1 - 0	4	100
BCSE591	Database Management System Lab	0 - 0 - 4	3	100
BCSE592	Computer Networks and Internet Lab	0 - 0 - 4	3	100
BCSE593	Multimedia Lab	0 - 0 - 4	3	100
BCSE594	A. Image Processing Lab B. Artificial Intelligence Lab	0 - 0 - 4	3	100
	Total		32	900

SEMESTER – VI

Paper Code	Paper Name	L - T - P	Credits	Total Marks
BCSE601	Software Engineering	3 - 1 - 0	4	100
BCSE602	Linux Administration	3 - 1 - 0	4	100
BCSE603	Cloud Computing	3 - 1 - 0	4	100
BCSE604	A. Cryptography and Cyber Security B. Soft Computing	3 - 1 - 0	4	100
BCSE605	A. Distributed Database B. Data Mining C. Machine Learning	3 - 1 - 0	4	100
BCSE691	Software Engineering Lab	0 - 0 - 4	3	100
BCSE692	Linux Administration Lab	0 - 0 - 4	3	100
BCSE693	Modern Application Development Lab II	0 - 0 - 4	3	100
BCSE681	Seminar	0 - 0 - 4	3	100
	Total		32	900



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SEMESTER – VII

Paper Code	Paper Name	L - T - P	Credits	Total Marks
BCSE701	Data Analytics	3 - 1- 0	4	100
BCSE702	Research Methodology	3 - 1- 0	4	100
BCSE791	System Design Lab	0 – 0 - 4	3	100
BCSE781	Industrial Training I	4 weeks during semester break	3	100
BCSE782	Minor Project	0 – 0 – 4	8	100
	Total		22	500

SEMESTER – VIII

Paper Code	Paper Name	L - T - P	Credits	Total Marks
BCSE881	Industrial Training II	8 weeks during first two months of semester	3	100
BCSE882	Major Project	0 – 0 – 4	16	100
BCSE883	Grand Viva		3	100
	Total		22	

Total Credit: 230