



**BRAINWARE UNIVERSITY**  
**DEPARTMENT OF COMPUTER SCIENCE**  
**Bachelor of Computer Applications 2017**

**SEMESTER – I**

<b>Paper Code</b>	<b>Paper Name</b>	<b>L - T - P</b>	<b>Credits</b>	<b>Total Marks</b>
HU101	Communicative English	4 - 0 - 0	4	100
BCA101	Computer Fundamentals and PCS	3 - 1 - 0	4	100
BCA102	Digital Electronics	3 - 1 - 0	4	100
BCA103	Mathematics – I	3 - 1 - 0	4	100
BCA104	Business System Administration	3 - 1 - 0	4	100
HU191	English Communication Lab	0 - 0 - 4	2	100
BCA191	Computer Fundamentals and PCS Lab	0 - 0 - 4	3	100
BCA192	Digital Electronics Lab	0 - 0 - 4	3	100
	Total		28	800

**SEMESTER – II**

<b>Paper Code</b>	<b>Paper Name</b>	<b>L - T - P</b>	<b>Credits</b>	<b>Total Marks</b>
ENV201	Environmental Studies	3 - 1 - 0	4	100
HU201	Business Communication-I	4 - 0 - 0	4	100
BCA201	Principle of Programming Language	3 - 1 - 0	4	100
BCA202	Data Structure and Algorithm	3 - 1 - 0	4	100
BCA203	Computer Architecture and Organization	3 - 1 - 0	4	100
BCA204	Mathematics - II	3 - 1 - 0	4	100
BCA291	C Programming Lab	0 - 0 - 4	3	100
BCA292	Data Structure and Algorithm Lab	0 - 0 - 4	3	100
BCA293	Computer Architecture and Organization Lab	0 - 0 - 4	3	100
	Total		33	900

**SEMESTER – III**

<b>Paper Code</b>	<b>Paper Name</b>	<b>L - T - P</b>	<b>Credits</b>	<b>Total Marks</b>
HU301	Business Communication-II	2 - 0 - 0	2	100
BCA301	Computer Networks	3 - 1 - 0	4	100



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BCA302	Operating System	3-1-0	4	100
BCA303	Introduction to E-Commerce	3-1-0	4	100
BCA391	Computer Networks Lab	0-0-4	3	100
BCA392	Operating System Lab	0-0-4	3	100
BCA393	HTML and Scripting Language Lab	0-0-4	3	100
	Total		23	700

**SEMESTER – IV**

Paper Code	Paper Name	L - T - P	Credits	Total Marks
HU401	Business Communication-III	2-0-0	2	100
BCA401	Database Management Systems	3-1-0	4	100
BCA402	Object Oriented Technologies	3-1-0	4	100
BCA403	Microprocessor and Microcontroller	3-1-0	4	100
BCA491	DBMS Lab	0-0-4	3	100
BCA492	Java Lab	0-0-4	3	100
BCA493	Microprocessor and Microcontroller Lab	0-0-4	3	100
BCA481	Minor Project I	0-0-4	2	100
	Total		25	800

**SEMESTER – V**

Paper Code	Paper Name	L - T - P	Credits	Total Marks
ENV501	Disaster Management	2-0-0	2	100
BCA501	Software Engineering	3-1-0	4	100
BCA502	A. Internet Technology B. Image Processing	3-1-0	4	100
BCA503	A. Advanced Java B. Computer Graphics	3-1-0	4	100



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BCA591	Software Engineering Lab	0 – 0 – 4	3	100
BCA592	A. Internet Technology Lab B. Image Processing Lab	0 – 0 – 4	3	100
BCA593	A. J2EE Lab B. Computer Graphics Lab	0 – 0 – 4	3	100
BCA581	Minor Project II	0 – 0 – 4	2	100
BCA582	Industrial Training	4 weeks during semester break	2	100
	Total		27	900

**SEMESTER – VI**

Paper Code	Paper Name	L - T - P	Credits	Total Marks
HU601	Values and Ethics	2- 0 – 0	2	100
BCA691	Mobile Application Development Lab	0 – 0 – 4	3	100
BCA692	Web Development Lab	0 – 0 – 4	3	100
BCA681	Major Project	0 – 0 – 4	12	100
BCA682	Grand Viva		4	100
	Total		24	500

**Total Credit: 160**