

Tilak Maharashtra Vidyapeeth
Department of Computer Science
BCA course structure 2022-23

Subject Code	Subject List	Category	Credits	Semester	INT Marks	EXT Marks	Tot. Marks
BCA-140-20	Computer Fundamentals Networking	Core	4	First	40	60	100
BCA-141-20	C Programming	Core	4		40	60	100
BCA-142-20	Mathematics	Core	4		40	60	100
BCA-143-20 OR BCA-144-20 OR BCA-145-20	English OR Japanese OR Sanskrit	Elective	2		20	30	50
BCA-146-20	Operating System	Core	4		40	60	100
BCA-147-20	Lab- C- Programming	Complementary	2		20	30	50
BCA-240-20	Statistics	Core	4	Second	40	60	100
BCA-241-20	Communication Skills	Complementary	2		20	30	50
BCA-242-20	Object Oriented Programming using C++	Core	4		40	60	100
BCA-243-20	Structured System Analysis and Design	Core	4		40	60	100
BCA-244-20	Principles and Practices of Management - I	Core	4		40	60	100
BCA-247-20	Lab - Object Oriented Programming using C++	Complementary	2		20	30	50
BCA-340-20	Advanced Web Designing	Core	4	Third	40	60	100
BCA-341-20	Database Management System (DBMS)	Core	4		40	60	100
BCA-342-20 OR BCA-343-20	E-Commerce OR Soft Skills	Elective	2		20	30	50
BCA-344-20	Enterprise Resource Planning	Core	4		40	60	100
BCA-345-20	Software Testing and Quality Assurance	Core	4		40	60	100
BCA-346-20	Lab-Advanced Web Designing	Complementary	2		20	30	50
BCA-440-20	Java Programming	Core	4	Fourth	40	60	100
BCA-441-20	Principles and Practices of Management - II	Core	4		40	60	100
BCA-444-20	Advanced Database Management System	Core	4		40	60	100
BCA-445-20	Environmental Studies	Core	4		40	60	100
BCA-446-20	Lab-Java Programming	Complementary	2		20	30	50
BCA-447-20	Lab- Advanced Database Management System	Complementary	2		20	30	50

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BCA-540-20 OR BCA-541-20	ASP.Net OR Python	Core	4		40	60	100
BCA-542-20	Linux	Core	4		40	60	100
BCA-543-20	Business Applications	Core	4		40	60	100
BCA-546-20	Unified Modeling Language(UML)	Core	4		40	60	100
BCA-547-20 OR BCA-548-20	Lab-Asp.Net OR Lab-Python	Complementary	2		20	30	50
BCA-549-20	Lab-Linux	Complementary	2	Fifth	20	30	50
BCA-640-20	Cloud Technology	Core	4		40	60	100
BCA-641-20 OR BCA-642-20	Advanced Java OR Current Trends in IT	Core	4		40	60	100
BCA-643-20 OR BCA-644-20	Organizational Behavior OR Digital Marketing	Elective	2		20	30	50
BCA-645-20 OR BCA-646-20	Lab- Advanced Java OR Lab- Current Trends in IT	Complementary	2		20	30	50
BCA-647-20	Lab-Cloud Technology	Complementary	2		20	30	50
BCA-648-20	Project	Core	6	Sixth	60	90	150