



Shri G.P.M. Degree College

Degree College : Affiliated to University of Mumbai.

Junior College : Recognized by Maharashtra State Board of Secondary & Higher Secondary Education Pune.

(Committed to Excellence in Education)

Course : BSc. (IT)

BOOKLIST : 2022-23

Semester : I				
Sr. No.	Subject Name/ Title of the Book	Publication	Notebook	Reference Book
1	Imperative Programming	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Pro McGraw-Hillith C, Byron Gottfried, Tata McGraw Hill 2. Programming Logic and Design, Joyce Farrell, Cengage Learning
2	Digital Electronics	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Digital Electronics and Logic Design, N. G. Palan, Technova 2. Digital Principles and Applications, Malvino and Leach, Tata McGraw Hill
3	Operating System	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Modern Operating Systems, Andrew S. Tanenbaum, Herbert Bos, Pearson 2. Operating Systems, Godbole and Kahate, McGraw Hill
4	Discrete Mathematics	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Discrete Mathematics with Applications, Sussana S. Epp, Cengage Learning 2. Discrete Mathematics, Schaum's Outlines Series McGrawour Lipschutz, Marc Lipson, Tata McGraw Hill
5	Communication Skills	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Business Communication, Edited by Meenakshi Raman and Prakash Singh, Oxford University Press 1 2. Professional Communication, Aruna Koneru, Tata McGraw Hill

Semester: II

Sr. No.	Subject Name/ Title of the Book	Publication	Notebook	Reference Book
1	Object-Oriented Programming	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Object-Oriented, Timothy Budd, TMH 2. Object-Oriented Programming with C++, E. Balagurusamy, Tata McGraw Hill
2	Microprocessor Architecture	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Microprocessors Architecture, Programming and Appli Pegrans with the 8,085, Ramesh Gaonkar, Pegrans 2. Computer System Architecture, M. Morris Mano, PHI
3	Web Programming	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Web Design the Complete Reference, Thomas Powell, Tata McGraw Hill 2. JavaScript 2.0: The Complete Reference, Thomas Powell and Fritz Schneider, Tata McGraw Hill
4	Numerical And Statistical Method	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Introductory Methods of Numerical Methods, S. S. Shastri, PHI 2. Numerical Methods for Engineers, Steven C. Chapra, Raymond P, Tata Mc Graw Hill
5	Green Computing	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Green IT, Toby Velte, Anthony Velte, Robert Elsenpeter, Toby Velte, Anthony Velte, Robert Elsenpeter 2. Green Data Center: Steps for the Journey, Alvin Galea, Michael, SchaeDistributorsbers, Shroff Publishers and Distributors

Semester: III

Sr. No.	Subject Name/ Title of the Book	Publication	Notebook	Reference Book
1	Python Programming	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none">1. Think Python, Allen Downey, O'Reilly Computer Science using Python 32. Introduction to Problem Solving with Python, E. Balagurusamy, TMH
2	Data Structures	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none">1. An Introduction Jean-Paul Structure with Applications, Jean-Paul Tremblay and Paul Sorenson, Tata MacGraw Hill2. Data structure and Algorithm Analysis in C, Weiss, Mark Allen, Addison Wesley
3	Computer Networks	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none">1. Data Communication and Networking, Behrouz A. Forouzan, Tata McGraw Hill2. Computer Networks, Andrew Tanenbaum, Pearson
4	Database Management Systems	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none">1. Database System and Concepts McGraw-Hill Schatz, H Korth, S Sudarshan, McGraw Hill2. Introduction to Database System, C.J. Date, Pearson
5	Applied Mathematics	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none">1. A textbook of Applied Mathematics Vidyarthi, P. N. Wartikar and J. N. Pune Vidyarthi Graha2. Higher Engineering Mathematics, Dr. B. S. Grewal Khanna Publications

Semester : IV

Sr. No.	Subject Name/ Title of the Book	Publication	Notebook	Reference Book
1	Core Java	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Java: The Complete Reference, Herbert Schildt, McGraw Hill 2. Core Java, Volume I: Fundamentals, Hortsman, Pearson
2	Introduction to Embedded System	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Introduction to embedded systems, Shibu K V, Tata Mcgraw-Hill 2. The 8051 Microcontroller and Embedded Systems, Muhammad Ali Mazidi, Pearson
3	Computer Oriented Statistical Techniques	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Statistics, Murray R. S International J. Stephens. McGraw – Hill International 2. Fundamental of mathematical statistics S.C. Gupta and V.K. Kapoor, Sultan Chand And Sons
4	Software Engineering	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Software Engineering, edition, Ian Somerville, Pearson Education. 2. Software engineering, a practitioner's approach, Roger Pressman, Tata Mcgraw-hill
5	Computer Graphics and Animation	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Computer Graphics - Principles and Practice, J. D. Foley, A. Van Dam, S. K. Feiner and J. F. Hughes, Pearson 2. Principles of Interactive Computer Graphics, William M. Newman and Robert F. Sproull, TMH

Semester : V

Sr. No.	Subject Name/ Title of the Book	Publication	Notebook	Reference Book
1	Software Project Management	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Software Project Management, Bob Hughes, Mike Cotterell, Rajib Mall, TMH 2. Software Project Management, Walker Royce, Pearson
2	Internet of Things	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Designing the Internet of Things, Adrian McEwen, Hakim Cassimally, WILEY 2. Internet of Things – Architecture and Design, Raj Kamal, McGraw Hill
3	Advanced Web Programming	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Beginning ASP.NET 4.5 in C#, Matthew MacDonald, Apress 2. Hill programming, J. Kanjilal, Tata McGraw Hill
4	Linux System Administration	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Red Hat Enterprise Linux6 Administration, Sander van Vugt, John Wiley and Sons 2. Red hat Linux Networking and System Administration, Terry Collings and Kurt Wall, Wiley
5	Enterprise Java	Tech knowledge	1 Notebook, A4 size, 196 pages	1. Java EE 7 For Beginners, Sharanam Shah, Vaishali Shah, SPD 2. Advanced Java Programming, Uttam Kumar Roy, Oxford Press

Semester : VI

Sr. No.	Subject Name/ Title of the Book	Publication	Notebook	Reference Book
1	Software Quality Assurance	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none"> 1. Software Testing: Principles, Techniques, and Tools, M. G. Limaye, TMH 2. Foundations of Software Testing, Dorothy Graham, Erik van Veenendaal, Isabel Evans, Rex Black Cengage Learning
2	Security In Computing	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none"> 1. The Complete Reference: Information Security, Mark Rhodes Ousley, McGraw Hill 2. Principles of Computer Security TIA Security+ and Beyond, Wm. Arthur Conklin, Greg White, McGraw Hill
3	Business Intelligence	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none"> 1. Business Intelligence: Data Mining and Optimization for Decision MakSupportrlo Vercellis, Wiley 2. Decision Support and Business Intelligence Systems, Efraim Turban, Ramesh Sharda, Dursun Delen, Pearson
4	Principles of Geographic Information Systems	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none"> 1. Principles of Geographic Information Systems an Introductory Text Book, Editors: Otto Huisman and Rolf A., The International Institute of Geographic Information Science and Earth Observation 2. Introduction to Geographic Information McGraw-Hilltems, Chang Kang-tsung (Karl)
5	Cyber Laws	Tech knowledge	1 Notebook, A4 size, 196 pages	<ol style="list-style-type: none"> 1. Cyber Law Simplified, Vivek Sood, TMH Education 2. Cybersecurity Law, Jeff Kosseff, Wiley