

Fourth Semester (2020 - 2023 Admns.)

| Sl. No. | Course Name | Ext_max | Credit |
|----------------|--|----------------|---------------|
| 4501 | 4A06ENG Readings on Philosophy of Knowledge | 40 | 4 |
| 4502 | 4A10MAL Drishyakalasaahithyam | 40 | 4 |
| 4503 | 4A10HIN Natak Aur Ekanki | 40 | 4 |
| 4504 | 4A10URD Urdu Poetry II | 40 | 4 |
| 4505 | 4A10KAN Kannada Poetry and Grammar | 40 | 4 |
| 4506 | 4A10ARB Indian Heritage in Arabic | 40 | 4 |
| 4507 | 4A10SKT Sanskrit and Indian Culture | 40 | 4 |
| 4508 | 4A13BSW Entrepreneurship Development for Social Work Practice | 40 | 4 |
| 4509 | 4A14BSW Management Information System (MIS) for Social Work | 40 | 4 |
| 4510 | 4A04ENG Readings on Gender | 40 | 3 |
| 4511 | 4A10AUA Culture and Civilization | 40 | 4 |
| 4512 | 4A13TTM Environmental Studies and Disaster Management | 40 | 4 |
| 4513 | 4A14TTM Management Principles | 40 | 4 |
| 4514 | 4B05ARB Modern Arabic Prose | 40 | 4 |
| 4515 | 4B06ARB History of Arabic Literature Part - II | 40 | 4 |
| 4517 | 4B05DEVECO Research Methods and Techniques for Economic Analysis | 40 | 4 |
| 4519 | 4B06DEVECO Environmental Economics | 40 | 4 |
| 4520 | 4B05ENG The Romantic Period(1780-1832) | 40 | 4 |
| 4521 | 4B06ENG The Victorian Age (1832-1901) | 40 | 3 |
| 4522 | 4B05FNG Introduction to English Literature-II | 40 | 4 |
| 4523 | 4B06FNG Oral Communication Practice | 20 | 4 |
| 4524 | 4B05FHI Hindi Sahithya Ka Itihas Gadya | 40 | 4 |
| 4525 | 4B06FHI Prayojan Moolak Hindi | 40 | 4 |
| 4526 | 4B05HIN Hindi Sahithya Ka Itihas Padya | 40 | 4 |
| 4527 | 4B06HIN Hindi Bhasha Ka Udbhav Aur Vikas | 40 | 4 |
| 4528 | 4B05HIS History of India III: Sultanate to British Conquest(1206-1757) | 40 | 4 |
| 4529 | 4B06HIS Ideologies and Revolutions in the Modern World | 40 | 4 |
| 4530 | 4B05ISH Sultanates of Delhi | 40 | 4 |
| 4531 | 4B05KAN Medieval Kannada Literature -Vachana and Ragale | 40 | 4 |
| 4532 | 4B06KAN Medieval Kannada Literature- Daasa Sahithya | 40 | 4 |
| 4533 | 4B05MAL Paschathya Sahithya Sidhanthangal | 40 | 5 |
| 4534 | 4B06MAL Pracheena- Madhyakala Sahithyam | 40 | 4 |
| 4535 | 4B05PHI Ancient Indian Philosophy | 40 | 5 |
| 4536 | 4B06PHI Modern Western Philosophy | 40 | 4 |
| 4537 | 4B05POL State and Politics in India | 40 | 4 |
| 4538 | 4B06POL Modern Western Political Thought | 40 | 4 |
| 4539 | 4B05SKT Gadyasahitya | 40 | 5 |
| 4540 | 4B06SKT Sandesakavya and Champukavya | 40 | 4 |
| 4541 | 4B04URD Shusta Urdu | 40 | 4 |

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| 4542 | 4B05URD Drama Aur Khake | 40 | 4 |
| 4543 | 4B05MUS Theory of Music-2(T) | 40 | 4 |
| 4544 | 4B06MUS Performance-4(P) | 40 | 4 |
| 4545 | 4B05BHA Tala in Bharathanatyam(T)-2 | 40 | 4 |
| 4546 | 4B06BHA Bharathanatyam Practical-4(P) | 40 | 4 |
| 4547 | 4B04ARD Fundamental Skills in Practical Arabic | 40 | 4 |
| 4548 | 4B05ARD History of Arabic Language and Literature | 40 | 4 |
| 4549 | 4B06BSW Social Work Research and Statistics | 40 | 4 |
| 4550 | 4B07BSW Theory and Practice of Counselling | 40 | 4 |
| 4552 | 4B05AUA Indian Writings in Arabic | 40 | 4 |
| 4553 | 4B06AUA Applied Grammar and Linguistics | 40 | 5 |
| 4554 | 4B06TTM Transportation Management | 40 | 4 |
| 4555 | 4B07TTM Internship | 40 | 2 |
| 4556 | 4B08TTM Tour Report | 20 | 1 |
| 4557 | 4B09TTM Tourism practicum & Viva Voce - II | 40 | 1 |
| 4558 | 4C04ARB Indian Writings in Arabic | 40 | 4 |
| 4561 | 4C08ECO History of Economic Thought-II | 40 | 4 |
| 4562 | 4C12ECO Gender Economics | 40 | 4 |
| 4563 | 4C02FNG Introduction to World Literature Part-II | 40 | 4 |
| 4564 | 4C04FHI Hindi Meim Computer Shiksha | 40 | 4 |
| 4565 | 4C04HIN Functional Hindi | 40 | 4 |
| 4566 | 4C04HIS Intellectual History of the Modern World | 40 | 4 |
| 4567 | 4C08HIS Indian National Movement | 40 | 4 |
| 4568 | 4C10HIS History of Tourism Development in India | 40 | 4 |
| 4569 | 4C12HIS CULTURAL HERITAGE OF INDIA | 40 | 4 |
| 4570 | 4C04KAN Inscriptions | 40 | 4 |
| 4571 | 4C04MAL Malabar Padanangal | 40 | 4 |
| 4572 | 4C07PHI POLITICAL PHILOSOPHY II | 40 | 4 |
| 4573 | 4C08PHI RENAISSANCE PHILOSOPHERS OF KERALA | 40 | 4 |
| 4574 | 4C04POL Dynamics of Indian Political System | 40 | 4 |
| 4575 | 4C06POL Foundations of Indian Political System | 40 | 4 |
| 4576 | 4C08POL Indian Constitution and Political System | 40 | 4 |
| 4577 | 4C04SKT Linguistics | 40 | 4 |
| 4578 | 4C02SOC Foundation of Sociology | 40 | 4 |
| 4579 | 4C04SOC NGO MANAGEMENT(CSCC FOR SOCIAL WORK) | 40 | 4 |
| 4580 | 4C04JNL Film Studies | 40 | 4 |
| 4581 | 4C03JNL-F Print Media Practices | 40 | 4 |
| 4582 | 4C04MUS Musicology-2(T) | 40 | 4 |
| 4583 | 4C04BHA BASIC THEORY OF BHARATHANATYAM 2-T | 40 | 4 |
| 4584 | 4C04PSY(A) Human Resource Management | 40 | 4 |
| 4585 | 4C04AUA Thafseer Literature | 40 | 4 |
| 4586 | 4C04TTM Cultural Heritage of Asia | 40 | 4 |

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| 4587 | 4C08PSY Soft Skills for Personal Development | 40 | 4 |
| 4588 | 4A13PLS Plantation Management | 40 | 3 |
| 4589 | 4A14PLS Herbal Science | 40 | 3 |
| 4590 | 4A13PCH Polymer Chemistry III | 32 | 3 |
| 4591 | 4A14PCH Polymer chemistry IV | 32 | 3 |
| 4592 | 4A13BCH Biophysical and Biochemical Techniques | 40 | 4 |
| 4593 | 4A14BCH Physiological Aspects Of Biochemistry | 40 | 4 |
| 4594 | 4A13MCB Molecular Biology | 40 | 4 |
| 4595 | 4A14MCB Microbial Genetics and rDNA Technology | 40 | 4 |
| 4596 | 4A03BTC Biostatistics | 40 | 4 |
| 4597 | 4A04BTC Bioinformatics | 40 | 4 |
| 4598 | 4A13CSC Digital Electronics | 40 | 3 |
| 4599 | 4A14CSC Operating Systems | 40 | 3 |
| 4600 | 4A13(A)PCH Polymer chemistry III- (Practical) | 32 | 4 |
| 4601 | 4A14BCA Discrete Mathematical Structures | 40 | 4 |
| 4602 | 4A15BCA Lab III: Data Structures and DBMS | 20 | 2 |
| 4603 | 4A15PLS General Practical+ Record+Lab Experiment Study+ Field Study+ V | 80 | 4 |
| 4604 | 4A14FOR Soil Science Hydrology and Watershed Management | 32 | 3 |
| 4605 | 4A15FOR General Practical-1 | 32 | 4 |
| 4606 | 4B05GRY Bio Geography | 40 | 3 |
| 4607 | 4B04GEO Minerology | 40 | 3 |
| 4608 | 4B05HSC Family Resource Management | 40 | 3 |
| 4609 | 4B04MAT Number Theory and Applications of Integrals | 48 | 4 |
| 4610 | 4B04PLS Plant Diversity II - Pteridophytes and Gymnosperms | 40 | 3 |
| 4611 | 4B06PCH Organic Chemistry-II | 40 | 3 |
| 4612 | 4B06BCH Plant Biochemistry | 40 | 3 |
| 4613 | 4B05MCB Basic Immunology | 40 | 3 |
| 4614 | 4B04PHY Electronics I | 40 | 3 |
| 4615 | 4B07PSY Life Span Development I | 40 | 3 |
| 4616 | 4B05PHY General Physics Practical I | 40 | 4 |
| 4617 | 4B04STA Statistical Inference -I | 48 | 3 |
| 4618 | 4B04BIF Biological Databases | 40 | 3 |
| 4619 | 4B05BIF Bioinformatics Practical I | 40 | 4 |
| 4620 | 4B04ZLG Chordata II and Comparative Anatomy | 40 | 3 |
| 4621 | 4B05BTC MolecularBiology | 40 | 3 |
| 4622 | 4B06BTC BiotechnologyPractical II | 40 | 4 |
| 4623 | 4B04BOT Plant Diversity II - Pteridophytes and Gymnosperms | 40 | 3 |
| 4624 | 4B05BOT Core Practical I | 80 | 4 |
| 4625 | 4B04BCH Biochemistry Practical I -PART II | 40 | 3 |
| 4626 | 4B05BCH Biochemistry Practical II-PART II | 80 | 4 |
| 4627 | 4B06GRYP2 Map Interpretation | 60 | 5 |
| 4628 | 4B05CSC Software Engineering | 40 | 4 |

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| 4629 | 4B06CSC Lab-II - Data Structures Using C++ | 20 | 3 |
| 4630 | 4B07CSC Lab III - Database Management System | 20 | 2 |
| 4631 | 4B05GEO Practical- I (Structural Geology Crystallography and Mineralogy) | 40 | 4 |
| 4632 | 4B06HSC Interior Decoration and Family Resource Management - Practical | 40 | 2 |
| 4633 | 4B06CHE/PCH Organic Chemistry II | 40 | 3 |
| 4634 | 4B06MCB Microbiology Practical II | 80 | 4 |
| 4635 | 4B05CHE/PCH Core Course Practicals 2 - Inorganic Qualitative Analysis | 40 | 3 |
| 4636 | 4B03PCH Core Course Practicals-1 Volumetric Analysis | 40 | 2 |
| 4637 | 4B05PCH Core Course Practicals -2 Inorganic Qualitative Analysis | 40 | 2 |
| 4638 | 4B01ZLG-P Practical-I | 60 | 4 |
| 4639 | 4B08PSY Experimental Psychology- Practical 2 | 40 | 3 |
| 4640 | 4B08BCA Software Engineering | 40 | 3 |
| 4641 | 4B09BCA Computer Organization | 40 | 3 |
| 4642 | 4B10BCA Linux Administration | 40 | 3 |
| 4643 | 4B11BCA Lab IV: JAVA Programming SHELL Programming & LINUX Admini | 20 | 2 |
| 4644 | 4B05PLS Core Practical I+Record+Field Study | 80 | 4 |
| 4645 | 4A13ELE Control Systems | 40 | 4 |
| 4646 | 4A14ELE Computer Organization and Architecture | 40 | 4 |
| 4647 | 4B04ELE Principles of Digital Electronics | 40 | 3 |
| 4648 | 4B01ELE-P Practical I - Electronic Circuits Lab | 40 | 4 |
| 4649 | 4A13FOR Agroforestry Social Forestry and Human Dimensions | 32 | 3 |
| 4650 | 4B05FOR Silviculture Systems Silviculture of Indian trees and Plantation Fo | 40 | 3 |
| 4651 | 4B06FOR Core Practical I | 40 | 4 |
| 4652 | 4C04CHE(PS) Chemistry(For Physical Science) | 32 | 2 |
| 4653 | 4C04STA Statistical inference | 40 | 3 |
| 4654 | 4C04CSC Computation Using Python | 32 | 2 |
| 4655 | 4C04BTC Plant Biotechnology II | 40 | 2 |
| 4656 | 4C04PCH(PS) Chemistry(For Physical Science) | 32 | 2 |
| 4658 | 4C04STA(G&P) Inferential Statistics | 40 | 3 |
| 4659 | 4C04MAT-PH Mathematics for Physics IV | 40 | 3 |
| 4660 | 4C04MAT-ST Mathematics for Statistics IV | 40 | 3 |
| 4661 | 4C04CHE(BS) Chemistry for Biological Science | 32 | 2 |
| 4662 | 4C04BOT Plant Physiology Ecology and Applied Botany | 40 | 2 |
| 4663 | 4C04BCH Biochemistry IV | 32 | 2 |
| 4664 | 4C05CHE/PCH Complementary Elective Course Practical | 32 | 4 |
| 4665 | 4C05BTC BiotechnologyPractical II | 40 | 4 |
| 4666 | 4C04MAT-CS Mathematics for Computer Science IV | 40 | 3 |
| 4667 | 4C04MAT-CH Mathematics for Chemistry IV | 40 | 3 |
| 4668 | 4C05BOT CE Practical-Botany Record+Herbarium+Field Study | 80 | 4 |
| 4669 | 4C04MAT-EL Mathematics for Electronics IV | 40 | 3 |
| 4670 | 4C05MCB Applied Microbiology II | 32 | 2 |
| 4671 | 4C04GEO Geology IV | 32 | 2 |

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| 4672 | 4C05GEO(P) Geology Practical | 32 | 4 |
| 4673 | 4C06MCB Microbiology (Complementary) Practical II | 32 | 4 |
| 4674 | 4C04PHY Electronics and Modern Physics | 32 | 2 |
| 4675 | 4C05PHY Physics Practical | 32 | 4 |
| 4676 | 4C04ZLG Medical Zoology | 32 | 2 |
| 4677 | 4C05ZLG-P Practical | 32 | 4 |
| 4678 | 4C04BGT Advanced Biological Techniques | 32 | 2 |
| 4679 | 4C05BGTP Practical | 32 | 4 |
| 4680 | 4C04PLY Human Physiology-II | 32 | 2 |
| 4681 | 4C05PLY Practical | 32 | 4 |
| 4682 | 4C04MAT-BCA Mathematics for BCA IV | 40 | 4 |
| 4683 | 4C04GEO Geology IV | 32 | 2 |
| 4684 | 4C05GEO(P) Geology Practical | 32 | 4 |
| 4685 | 4C05BCH Biochemistry Practical | 32 | 4 |
| 4687 | 4C04ELE Microprocessor & Microcontroller | 32 | 2 |
| 4688 | 4C04ELE-P Electronics Lab | 32 | 4 |
| 4689 | 4C05CSC Lab I Programming in C Web Programming and Python Programr | 32 | 4 |
| 4691 | 4C04CHE/PCH Chemistry (For Biological science) | 32 | 2 |
| 4692 | 4A13BBA(TTM) Environmetal Studies and Disaster Management | 40 | 4 |
| 4693 | 4A14BBA(TTM) Management Principles | 40 | 4 |
| 4694 | 4A13BBA(AH) Environmental Studies and Disaster Management | 40 | 4 |
| 4695 | 4A14BBA(AH) Management Principles | 40 | 4 |
| 4696 | 4A13BBA IT Tools for business | 40 | 4 |
| 4697 | 4A14BBA Environmental Studies | 40 | 4 |
| 4698 | 4A13COM General Informatics Skills -Theory | 20 | 3 |
| 4700 | 4A14COM Environmental Studies and Disaster Management | 40 | 4 |
| 4701 | 4B05COM Corporate Accounting | 40 | 4 |
| 4703 | 4B06BBA(TTM) Basics of Hotel Accounting | 40 | 4 |
| 4704 | 4B07BBA(TTM) Internship | 40 | 2 |
| 4705 | 4B08BBA(TTM) Tour Report | 20 | 1 |
| 4706 | 4B09BBA(TTM) Tourism Practicum & Viva Voce - 2 | 40 | 1 |
| 4707 | 4B06BBA(AH) Basics of Hotel Accounting | 40 | 4 |
| 4708 | 4B07BBA(AH) Internship | 40 | 2 |
| 4709 | 4B08BBA(AH) Tour Report | 20 | 1 |
| 4710 | 4B09BBA(AH) Aviation and Hospitality Practicum & Viva Voce -2 | 40 | 1 |
| 4711 | 4B06BBA Human Resource Management | 40 | 4 |
| 4712 | 4B07BBA Financial Management | 40 | 4 |
| 4713 | 4B08BBA Operations Management | 40 | 4 |
| 4715 | 4B06COM Management of Co-operatives | 40 | 4 |
| 4716 | 4B06COM Data Base Management System-Theory | 20 | 3 |
| 4717 | 4B06COM Investment Management | 40 | 4 |
| 4718 | 4B06COM Consumer Behaviour | 40 | 4 |

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| 4720 | 4B06COM Data Base Management System-Practical | 20 | 1 |
| 4721 | 4C04BBA(TTM) Cultural Heritage of Asia | 40 | 4 |
| 4722 | 4C04BBA(AH) Cultural Tourism | 40 | 4 |
| 4723 | 4C04COM Corporate Law and Business Regulations | 40 | 4 |
| 4724 | BHM402 Abstract Algebra - II | 60 | 4 |
| 4725 | BHM403 Operation Research | 60 | 4 |
| 4726 | BHM404 Linear Algebra - II | 60 | 4 |
| 4727 | BHM405 Advanced Statistics - II | 60 | 4 |
| 4728 | BHM403 Complex Analysis, Fourier Series and Partial Differential Equation | 60 | 4 |
| 4729 | BHM404 Advanced Statistical Techniques | 60 | 4 |
| 4730 | BHM405 Numerical Analysis | 60 | 4 |
| 4731 | BHM402 Advanced Abstract Algebra | 60 | 4 |
| 4732 | BHM401 Advanced Real Analysis and Metric Spaces | 60 | 4 |
| 4733 | BHM401 Real Analysis - II | 60 | 4 |
| 4734 | 4B06ECO Environmental Economics | 40 | 4 |
| 4735 | 4C04DEVECO Mathematical Economics-II | 40 | 4 |
| 4736 | 4B05ECO Research Methods and Techniques for Economic Analysis | 40 | 4 |
| 4737 | 4C04ECO Mathematical Economics-II | 40 | 4 |
| 4738 | 4C04JNL-F Print Media Practices | 40 | 4 |
| 4739 | 4B05SSH Cultural Transformations In Europe | 40 | 4 |
| 4740 | 4B06SSH History Of India III:Sultanate to British Conquest (1206-1757) | 40 | 4 |
| 4741 | 4A14ZCB Genomics and Proteomics | 40 | 4 |
| 4742 | 4C04CSC-ZCB Computation Using Python | 32 | 2 |
| 4743 | 4B05ZCB Biomolecular Modeling and Simulation | 40 | 3 |
| 4744 | 4A13ZCB Evolution | 40 | 4 |
| 4745 | 4C05CSC-ZCB Lab I: Programming in Java,DBMS And Python Programming | 32 | 4 |
| 4746 | 4B06ZCB Computational Biology Practical-I | 80 | 4 |
| 4747 | 4A03CFD Fundamentals of Entrepreneurship (T) | 40 | 4 |
| 4748 | 4C08CFD Surface ornamentation (P) | 40 | 2 |
| 4749 | 4B09CFD History of World costumes (T) | 40 | 3 |
| 4750 | 4C07CFD Apparel Production and Quality Control (T) | 40 | 3 |
| 4751 | 4A04CFD Basic Weaving (P) | 40 | 4 |
| 4752 | 4PR01CFD Mini Project–Garment Construction(Pr) | 40 | 2 |
| 4753 | 4B05BMC Videography | 40 | 3 |
| 4754 | 4A13BMC Trends in Communication & Journalism | 40 | 4 |
| 4755 | 4C04J-BMC Broadcast Journalism | 32 | 3 |
| 4756 | 4C04CSC-BMC Media Software Application-2 | 32 | 3 |
| 4757 | 4A14BMC Script Writing for Media | 40 | 4 |
| 4758 | 4C05CSC-BMC Lab 1: Ms Word, Ms Excel, Ms PowerPoint, Adobe Photoshop, InDesign and after effects | 32 | 2 |

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| 4759 | 4B06BMC Reporting, Drawing, Script Writing, Creative Writing, Photography & Videography | 28 | 2 |
| 4760 | 4B17BMC-P Mini Project | 12 | 2 |
| 4761 | 4B14BMH Advanced Real Analysis | 60 | 4 |
| 4762 | 4B15BMH Introduction to Abstract Algebra and Linear Algebra | 60 | 4 |
| 4763 | 4B16BMH Introduction to Partial Differential Equations | 60 | 4 |
| 4764 | 4B17BMH Advanced Statistical Techniques II | 60 | 4 |
| 4765 | 4B18BMH Operations Research | 60 | 4 |
| 4766 | 4B05SSE Micro Economic Theory | 40 | 4 |
| 4767 | 4B06SSE Macro Economic Theory | 40 | 4 |
| 4768 | 4C04POL Dynamics of Indian Political System(2020) | 40 | 4 |
| 4769 | 4C04HIS-A Environmental History of India | 40 | 4 |
| 4775 | 4C04PLY Human Physiology-II | 32 | 2 |
| 4776 | 4C04PSY Bio psychology | 40 | 3 |
| 4777 | 4B05 AIML Digital Fundamentals and Computer Organization | 40 | 3 |
| 4778 | 4B06 AIML Python for Machine Learning | 40 | 3 |
| 4779 | 4C04MAT - AIML Linear Programming and Game Theory | 40 | 2 |
| 4780 | 4C04STA - AIML Inferential Statistics | 40 | 2 |
| 4781 | 4B07 AIML Data Base Management System | 40 | 3 |
| 4782 | 4B06 COM INTERNATIONAL TRADE DOCUMENTATION PROCEDURES | 40 | 4 |
| 4783 | 4A13BBA Hospital Information System | 40 | 4 |
| 4784 | 4B08BBA Hospital Operations Management | 40 | 4 |
| 4785 | 4A13AAM Fundamentals of IT Tools for Business | 20 | 3 |
| 4786 | 4A14AAM Environmental Studies and Disaster Management | 40 | 4 |
| 4787 | 4B06AAM Human Resource Management | 40 | 4 |
| 4788 | 4B07AAM Aviation Safety and Airport Security Management | 40 | 4 |
| 4789 | 4B08AAM Airline Finance and Insurance | 40 | 4 |
| 4790 | 4B06COM INTERNATIONAL TRADE DOCUMENTATION PROCEDURES | 40 | 4 |
| 4791 | 4A10AEG Creative Writing | 40 | 4 |
| 4792 | 4B10FT Food Analysis & Instrumentation | 80 | 3 |
| 4793 | 4B08FT Food Microbiology II | 80 | 2 |
| 4794 | 4A04FT Nutraceuticals, Food Allergies, Intolerances and Consumer Science | 80 | 4 |
| 4795 | 4A03FT Management Concepts and Principles | 80 | 4 |
| 4796 | 4A14BBH Environmental Studies | 40 | 4 |
| 4797 | 4A13BBH Hospital Information System | 40 | 4 |
| 4798 | 4B06BBH Human Resource Management | 40 | 4 |
| 4799 | 4B07BBH Financial Management | 40 | 4 |
| 4800 | 4B08BBH Hospital Operations Management | 40 | 4 |