CBCS SCHEME

USN | | | | | | | | | | USN No.

Sixth Semester B.E. Degree Examination, June/July 2023
Advanced JAVA and J2EE

Time: 3 hrs.   Max. Marks:

Note: *Answer any FIVE full questions, choosing ONE full question from each module.*

Module-1

1   a.   What are annotations? How to use an enum constructor, instance variable and method. Explain with example.   (08 Marks)
    b.   What is Autoboxing? Write a Java program that demonstrates auto boxing/unboxing occurs inside expressions.   (06 Marks)
    c.   What is Annotation? Explain various retention policies for annotations in Java.   (06 Marks)

OR

2   a.   Explain values( ) and valueOf( ) methods used enumeration with example program.   (06 Marks)
    b.   What do you mean by type wrapper? Explain Numeric type wrapper with an example.   (08 Marks)
    c.   Explain the following Built-in annotations with an example program.
         i) Override   ii) Deprecated   iii) @interface type of target.   (06 Marks)

Module-2

3   a.   What is collections? Explain interfaces and methods available under collection interface.   (08 Marks)
    b.   What are comparators? Write a comparator program to sort accounts by last name.   (08 Marks)

OR

4   a.   Explain the following with a suitable program. i) HashMap   2) TreeMap   (10 Marks)
    b.   Explain any four key features of Java's collection framework with suitable program. (10 Marks)

Module-3

5   a.   What is string? Explain string constructors with suitable programming example.   (06 Marks)
    b.   Explain string extractor functions with suitable program.   (08 Marks)
    c.   Explain compareTo and indexOf/Methods of string class with an example.   (06 Marks)

OR

6   a.   What is toString( ) function? Write a program to override toString( ) and provide your own string representations.   (08 Marks)
    b.   Explain the following StringBuffer methods with an example:
         i) append( )   ii) insert( )   iii) reverse( )   iv) replace( )   (08 Marks)
    c.   Write a program in java to replace all the matching substring with a given string.   (04 Marks)

1 of 2

[Advanced Java Question Paper](#)

James Keogh,Jim Keogh

Advanced Java Question Paper:

Advancement of Intelligent Computational Methods and Technologies O.P. Verma,Seema Verma,Thinagaran Perumal,2024-06-30 The compiled volume originates from the notable contributions presented at the 1st International Conference on Advancementof Intelligent Computational Methods and Technologies AICMT2023 which took place in a hybrid format on June 27 2023 at Delhi Technical Campus Greater Noida Uttar Pradesh India This comprehensive collection serves as an exploration into the dynamic domain of intelligent computational methods and technologies offering insights into the latest and upcoming trends in computation methods AICMT2023 s scope encompasses the evolutionary trajectory of computational methods addressing pertinent issues in real time implementation delving into the emergence of new intelligent technologies exploring next generation problem solving methodologies and other interconnected areas The conference is strategically designed to spotlight current research trendswithin the field fostering a vibrant research culture and contributing to the collective knowledge base **Advanced Interdisciplinary Applications of Large Language Models and AI Agents** Biju, Soly Mathew,2025-10-10 The evolution of large language models LLMs and AI agents reveals a new era of interdisciplinary innovation where the boundaries between fields like healthcare law education and engineering are blurred These advanced AI systems are being integrated into complex workflows that require reasoning adaptability and collaboration across knowledge areas From assisting in medical diagnostics and legal research to enabling personalized learning and automating scientific research LLMs and AI agents transform how problems are approached and solved Their ability to process information understand context and generate responses positions them as powerful tools for handling challenges that require expertise Advanced Interdisciplinary Applications of Large Language Models and AI Agents delves into the cutting edge intersection of AI machine learning and data science It explores the advanced applications of large language models LLMs AI agents sentiment analysis fuzzy logic and computer vision This book covers topics such as automation business intelligence and sentiment analysis and is a useful resource for business owners medical professionals educators computer engineers academicians researchers and data scientists *Smart Computing* Mohammad Ayoub Khan,Sanjay Gairola,Bhola Jha,Pushkar Praveen,2021-06-22 The field of SMART technologies is an interdependent discipline It involves the latest burning issues ranging from machine learning cloud computing optimisations modelling techniques Internet of Things data analytics and Smart Grids among others that are all new fields It is an applied and multi disciplinary subject with a focus on Specific Measurable Achievable Realistic Timely system operations combined with Machine intelligence Real Time computing It is not possible for any one person to comprehensively cover all aspects relevant to SMART Computing in a limited extent work Therefore these conference proceedings address various issues through the deliberations by distinguished Professors and researchers The SMARTCOM 2020 proceedings contain tracks dedicated to different areas of smart technologies such as Smart System and Future Internet Machine Intelligence and Data Science Real

Time and VLSI Systems Communication and Automation Systems The proceedings can be used as an advanced reference for research and for courses in smart technologies taught at graduate level   *Web Technology and Its Applications* Prof. Pundalik Chavan (B.E, M.E, (Ph.D)),2021-01-01 This book embodies a distillation of topics that we as educators have frequently covered in the past two decades in various undergraduate courses related to Web Technology and its applications in VTU Belgaum This book can also serve the purpose of material for a more advanced levelwhere the reader is exposed to alternate and more contemporary computational frameworks that are becoming common and more suitable   **A Textbook of Web Application for Class XII (A.Y. 2023-24)Onward** Kalpana Sharma,2023-05-20 This book Web Applications for Class XII 803 aims at providing an in depth understanding of the CBSE curriculum It strictly adheres to the latest syllabus and guidelines laid down by the Board This book consists of Part A Employability Skils and Part B Subject Specific Skills The book focuses on teaching Web Applications to young learners It helps the students learn concepts of HTML JavaScript and Advanced Web Design for inculcating web development and problem solving skills Based on the CBSE curriculum Part B has been divided into four units Movie Editing Tools Customising and Embedding Multimedia Components in Web Pages Web Scripting JavaScript and Advanced Features of Web Design This book contains ample number of practical programs with easy to understand examples Each chapter contains the following a Learning Objectives It describes the goals to be achieved at the end of the chapter b Chapter Contents Concepts are explained to strengthen the knowledge base of young learners c Did You Know It gives some extra and useful information on the topic being covered d Activity Time It encourages the students to explore some practical knowledge of the topic being covered e Check Your Knowledge At the end of some topics this section is given to evaluate the knowledge of the learners It comprises multiple choice questions subjective as well as objective questions and practical work f Test Yourself It includes questions with a variety of headings as Multiple Choice Questions Short Answer Type Questions l 11 Long Answer Questions Activity Zone and Group Discussion We are sure that this book will be of immense help to students and teachers alike Constructive feedback for the improvement of this book will be highly appreciated and gratefully acknowledged AUTHORS   **Sessional Papers** Great Britain. Parliament. House of Commons,1894   *Smart Card Research and Advanced Applications* Gilles Grimaud,François-Xavier Standaert,2008-08-30 This book constitutes the refereed proceedings of the 8th International Conference on Smart Card Research and Advanced Applications CARDIS 2008 held in London UK in September 2008 The 21 revised full papers presented together with the abstract of one invited talk were carefully reviewed and selected from 51 submissions The papers deal with the various issues related to the use of small electronic tokens in the process of human machine interactions The conference scopes include numerous subfields such as networking efficient implementations physical security biometrics etc   Parliamentary Papers Great Britain. Parliament. House of Commons,1894   *Late Night Advanced Java* Jason Wehling,Vidya Bharat,1996 Written in a tutorial style this is a beginning programming book It is divided into four main parts progressively taking the

programmer through more difficult programming It contains numerous examples and concepts are introduced with interesting real world programs   *Advanced Techniques for Java Developers* Daniel J. Berg,J. Steven Fritzinger,1997 Leading Java experts show you how to design and develop Java applications using the latest Java technologies included in JDKTM 1 1 and JDKTM 1 2 Are you an experienced Java programmer ready to take the leap from applet programming to building full blown business applications Then this is the book for you The authors and contributors show you techniques using the latest Java technologies that dramatically extend the capabilities of Java This book includes the latest in Java Media RMI JDBC JFC JavaBeansTM security and more This is the first book where Java experts come together to show you what technology and techniques they use to produce real world Java applications Using numerous sample programs included on the CD ROM this book provides you with cutting edge techniques for building sophisticated applications using the latest Java technologies Concentrating on topics of vital interest to programmers who need to write mission critical business applications the authors detail and explain the following Advanced I O and networking Concurrent programming with threads JavaBeansTM Advanced security techniques JavaTM foundation classes Java Media JavaServerTM environment Java database connectivity Java Network Computers and JavaOSTM On the CD ROM you ll find Source code you can use to build your own applications Java documentation The Java City multimedia demo Try and Buy versions of JavaTM StudioTM and JavaTM WorkShopTM   Advanced Computing and Analysis Techniques in Physics Research Pushpalatha C. Bhat,Matthias Kasemann,2001-09-21 Over the next decade or two an impressive array of scientific instruments at the Tevatron RHIC Relativistic Heavy Ion Collider and LHC Large Hadron collider LIGO Laser Interferometer Gravitational Observatory and SDSS Sloan Digital Sky Survey to name a few will usher in the most comprehensive program of study of the fundamental forces of nature and the structure of the universe Major discoveries are anticipated But it is our conviction that the pace of discoveries will be severely impeded unless a concerted effort is made to deploy and employ advanced computing techniques to handle process and analyze the unprecedented amounts of data The workshop followed four main tracks Artificial Intelligence neural networks and other adaptive multivariate methods Innovative Software Algorithms and Tools Symbolic Problem Solving and Very Large Scale Computing The workshop covered applications in high energy physics astrophysics accelerator physics and nuclear physics Topics included are uses of C in scientific computing large scale simulations advanced analysis environments worldwide computing artificial intelligence online application of neural networks applications in data analysis theoretical aspects innovative software algorithms and tools online monitoring and controls physics analysis and reconstruction algorithms pattern recognition techniques common libraries grid and distributed computing techniques symbolic problem solving Freynman diagram algorithms and tools symbolic manipulation via function objects symbolic techniques for Feynman diagrams multi loop calculations and results very large scale computing online monitoring and controls analysis farms and DAQ systems grid architectures   **Pitman's Journal of Commercial**

Education ,1907   **Java Demystified** James Keogh,Jim Keogh,2004-04-29 Contains step by step instructions and examples on the Java programming language   **Netherlands Indies Review** ,1927   Anthropological Papers of the American Museum of Natural History American Museum of Natural History,1950   Irish University Press Series of British Parliamentary Papers Great Britain. Parliament,1968   **Transactions of the Royal Institution of Naval Architects** Royal Institution of Naval Architects,1924 List of members in each volume   **Tropical Agriculturist** ,1904   **Sessional Papers** Canada. Parliament,1912 Report of the Dominion fishery commission on the fisheries of the province of Ontario 1893 issued as vol 26 no 7 supplement   **American Sugar Industry and Beet Sugar Gazette** ,1909

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