CSR402

Time: 2½ hrs.

Marks:75

Note:
1. All questions are compulsory with internal options.
2. Figures to the right indicate full marks.

Q. 1 Answer the following: (Attempt any four) (20)
(a) Distinguish between C++ and Java.
(b) Explain JDK, JRE and JVM with a suitable diagram.
(c) Explain OOP concepts in detail.
(d) Write a short note on java data types.
(e) What are constants in java? Explain its types with suitable example.
(f) Write a short note on Type Casting in java.
(g) Write a program to implement the concept of shorthand operators in java.
(h) Write java code for the following output.
```
1
22
333
4444
55555
```

Q. 2 Answer the following: (Attempt any four) (20)
(a) Explain the concept of two-dimensional arrays in java.
(b) Explain in detail the concept used to implement multiple-inheritance in java with a suitable example.
(c) What are java threads? Explain life cycle of a thread.
(d) Distinguish between errors and exceptions.
(e) What is the use of packages in java? Explain the process of creation of packages.
(f) Write a java program that illustrates the concept of implementing the runnable interface.
(g) Write short note on :
(i) Stopping and blocking a thread.   (ii) Thread priority
(h) Explain exceptions in java. Give types of exceptions along with their causes.

Q. 3 Answer the following: (Attempt any four) (20)
(a) What are applets? Explain in detail applet life cycle.
(b) Explain the concept of window fundamentals in AWT.
(c) Write a java program to implement any five AWT controls.
(d) Distinguish between application program and applet program.
(e) Explain Graphics class. Give example implementing any 4 methods of Graphics class.
(f) Write applet code for the following:

(g) Explain paint() and repaint() methods of an applet.
(h) Write applet code to take input from the user to add 2 numbers and produce its result.

Q. 4 Answer the following: (Attempt any three) (15)
(a) What are java tokens? Explain any four in detail.
(b) Explain decision making and looping.
(c) Explain the following string methods:
(i) toLowerCase() (ii) compareTo()   (iii) concat() (iv) equalsIgnoreCase() (v) CharAt(n)
(d) What are wrapper classes in java? Explain the concept of autoboxing and unboxing in java.
(e) Distinguish between Swing and AWT.
(f) Explain the concept of line graphs and control loops in applets.

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Bsc Computer Science Java Question Paper

Dr. V. B. Narsimha,Dr. Yogesh Kumar Sharma,Dr. S. Nagaprasad,Dr. Manju Khari

Bsc Computer Science Java Question Paper:

ICSE ,2003 *Science* John Michels (Journalist),2004 A weekly record of scientific progress **Who's Who in Science and Engineering 2008-2009** Who's Who Marquis,Marquis Who's Who,2007-12 **Who's Who in the World, 1995** Marquis Who's Who,1995-12 This single volume affords instant access to more than 35 000 individual biographies of the people whose activities are shaping today s world Among those profiled are prominent government figures high ranking military officers leaders of the largest corporations in each country heads of religious organizations pioneers in science the arts many more **Khanna S Question Bank** Ravichandran,2013 Web Technology Application Software Programming with C UNIX Principles of Programming Languages Operating Systems Automata Theory Compiler Design Computer Organization Data Structures SQL PLUS PL SQL Forms and Reports Database Management Systems Computer Networks and Security Object Oriented Programming using C Software Engineering System Software Computer Graphics JAVA Programming Computer Science Question Paper for GATE 2007 Computer Science Questions Paper for GATE 2008 Computer Science Questions Paper for GATE 2009 **Java Concepts** Frances P. Trees,Cay S. Horstmann,2007-10-16 A study guide for AP computer science studies in Java Compatible with Java 5 and 6 the Java Concepts Advanced Placement Computer Science Study Guide is a companion piece to the main text Java Concepts for AP Computer Science 5e It moves students forward in their studies of Java while presenting and reinforcing skills and knowledge that is tested on the AP Computer Science A and AB examinations The study manual supports the primary textbook by sharing examples and explanations of Java Practice questions and tips are also provided to help users prepare for the computer science exam IGNOU BCA Object-Oriented Technologies and Java Programming Previous Year Solved Papers MCS 024 Manish Soni,2024-11-13 Over the past decade academic progress and technological innovations have significantly reshaped the educational landscape with Java programming emerging as a cornerstone in computer science and software development As programming continues to play a vital role in shaping modern technologies mastering Java has become essential for students aiming to excel in the IT industry In this transformative journey the Indira Gandhi National Open University IGNOU has consistently empowered learners by offering accessible and high quality education In response to the growing demand for reliable academic support we are pleased to present IGNOU BCA Object Oriented Technologies and Java Programming Previous Year Solved Papers MCS 024 a carefully curated compilation designed to support students in strengthening their understanding of Java and object oriented programming concepts This book brings together solved question papers from the past ten years offering readers not only a window into real exam patterns and expectations but also the opportunity to enhance their problem solving techniques and application based understanding Developed through the collaborative efforts of experienced educators and industry professionals the solutions reflect a balance of theoretical knowledge and practical insight Whether used for exam preparation self assessment or concept revision this volume aims to be a dependable academic companion We believe that by

working through these solved papers learners will gain the confidence and clarity needed to approach Java programming with competence and enthusiasm We extend our sincere thanks to the educators students and reviewers who contributed to the making of this book May it serve as a valuable guide for all those embarking on their journey through the world of object oriented technologies and Java programming **View Larger A Textbook of Java Programming** Surbhi Kakar,2017-12-18 This book covers all the core java concepts of java programming language It also touches some of its advanced concepts It starts with talking about some of the basic concepts like data types control structures and classes It also discusses about exception handling multithreading and java libraries Further it explains how to interact with client side applications like applets and handling events The last section focuses on network communications through java The book is designed to give a fillip to the concepts of java programming Java programming has been variously conceptualized by experts across the world The subject forms the basis for software development Therefore understanding the nuances of the subject occupy significance for students of Information Technology Various books have approached the subject in their own ways This book proposes to be an integration of the theoretical aspects of java programming complemented with the implementation of the same in real world situations The book would be all encompassing covering the myriad aspects of the subject passing through the latest developments in the same covering the syllabus of institutions all over the country *Core Java Interview Questions You'll Most Likely Be Asked* Vibrant Publishers,2021-09-10 Concept refresher for Java includes Java 8 and Java 9 Ideal prep guide for coding interviews technical and HR rounds Guidance for Resume building and Aptitude tests Includes Scenario based questions Developed and recommended by industry experts and placement experts Core Java Interview Questions You ll Most Likely Be Asked Second Edition is your perfect companion to stand above the rest in today s competitive job market With this guide you learn or refresh Core Java fundamentals and principles necessary for cracking the coding interview and acquaint yourself with real life interview questions and strategies to reach the solutions The Resume building tutorial and the Aptitude tests equip you to present yourself better even before the job interview This book is a complete course in itself to prepare for your dream Java job placement About the Series This book is part of the Job Interview Questions series that has more than 75 books dedicated to interview questions and answers for different technical subjects and HR round related topics This series of books is written by experienced placement experts and subject matter experts Unlike comprehensive textbook sized reference guides these books include only the required information for job search Hence these books are short concise and ready to use by students and professionals **Mastering Advanced Java Programming Question Bank Vol-1** Anshuman Mishra,2025-07-08 Java has long held its position as one of the most robust and versatile programming languages in the world With its WORA Write Once Run Anywhere philosophy strong community support extensive libraries and vast application from enterprise software to Android development Java remains a top choice for developers across domains As academia industry and government services increasingly demand Java proficiency there is

an ever growing need for quality educational resources that combine theoretical understanding with practical insight This book Mastering Advanced Java Programming QUESTION BANK is designed to fulfill that demand It offers an exhaustive and carefully structured set of conceptual and practice based questions for undergraduate postgraduate and professional level learners The content is aligned with the curricula of BCA MCA B Tech and M Tech programs and caters equally to interview aspirants preparing for top software companies or competitive examinations Purpose of the Book The main goal of this book is to create a comprehensive question bank that supports deep conceptual clarity practical problem solving and real world application of advanced Java programming topics Rather than simply providing theoretical content this book focuses on Enabling mastery through questions Helping students and professionals prepare for technical interviews and campus placements Serving as a self assessment tool and a ready reference during academic exams Facilitating the transition from basic to advanced level Java programming through gradual topic progression The book covers all essential and advanced topics in Java ensuring a 360 degree approach to learning the language Who Should Use This Book This book is ideal for Undergraduate and Postgraduate Students of BCA MCA B Tech M Tech Computer Science IT Software Engineering AI Data Science etc Faculty Members and Trainers who want a ready resource for quizzes assignments and classroom problem solving sessions Software Professionals and Developers who want to brush up on their Java fundamentals and advanced knowledge Job Aspirants and Interview Candidates preparing for software interviews at top companies like TCS Infosys Wipro Cognizant Capgemini Google Amazon Microsoft etc Competitive Exam Candidates preparing for UGC NET GATE NIELIT ISRO DRDO or PSU exams Structure of the Book Each chapter in this book is centered around a major concept or module of advanced Java The topics are logically sequenced to help learners move from foundational to complex topics efficiently Every chapter includes 50 Multiple Choice Questions MCQs To quickly test theoretical and applied understanding of key concepts 25 Short Answer Questions These are designed to reinforce definitions syntax differences and direct knowledge 15 Mid Length Answer Questions These offer detailed explanations programming scenarios and algorithmic logic 20 Programming Questions with Answers Focused on hands on coding problems real time logic implementation debugging exercises and project level code blocks This uniform structure ensures that learners not only grasp the concept but also gain confidence through layered practice **Java Tutorial Questions** Siu Nin Lam,2013-06-11 Over 900 multiple choice questions for Java programming All questions come with full answer keys Choices other than the correct answers are traps from common mistakes thus enabling targeted explanation in the answer key Suitable for both students and professionals preparing for Java programming examinations **Guide To Java Programming (Ques & Ans)** Satish Jain,2007-12 **Competitive Programming: Java and C++ (Questions and Solutions), Vol. 1** Mahfudzah Othman,Naimah Mohd Hussin,Nora Yanti Che Jan,Jamal Othman,Nurzaid Muhd Zain,Mohd Nizam Osman,Hawa Mohd Ekhsan,Jiwa Noris Hamid,Umi Hanim Mazlan,Hanisah Ahmad,Muhammad Alif Fikri Jamaluddin,Alif Faisal Ibrahim,2019-05-16 This book is a

compilation of questions and possible solutions in Java and C from the Competitive Programming competitions held every year by Faculty of Computer Mathematical Sciences UiTM Perlis Malaysia It is hoped that the book can help students to improve their problem solving and coding skills in Java and C programming   *IGNOU PGDCA MCS 206 Object Oriented Programming using Java Previous Years Unsolved Papers* Manish Soni,2024-11-13 Welcome to the comprehensive collection of solved papers for the Post Graduate Diploma in Computer Applications PGDCA program offered by the Indira Gandhi National Open University IGNOU This book is meticulously crafted to assist students in their preparation for the Object Oriented Programming using Java examination a fundamental and integral part of the PGDCA curriculum As technology continues to evolve Java remains a cornerstone of computer science playing a pivotal role in software development across diverse platforms Recognizing the significance of a strong foundation in Java programming this compilation brings together years of previous exam papers with detailed solutions providing a valuable resource for students to enhance their understanding and excel in their academic pursuits Each solved paper within this book is designed to serve as more than just an answer key Beyond the correct responses you will find thorough explanations strategic insights and helpful tips aimed at aiding your comprehension of Java concepts Whether you are a novice programmer or a seasoned learner this collection offers a structured approach to mastering Object Oriented Programming using Java covering topics ranging from basic syntax to advanced features The inclusion of previous years papers ensures that you are well acquainted with the examination patterns and can approach your assessments with confidence As you embark on your journey through the PGDCA program we hope this book proves to be a valuable companion aiding you in your quest for proficiency in Java It is our sincere desire that this resource contributes significantly to your academic success fostering a deeper appreciation for Java programming and its applications in the dynamic world of computer science Best of luck in your studies and may this book serve as a stepping stone towards a rewarding and fulfilling career in the realm of computer applications   **Core Java Interview Questions You'll Most Likely Be Asked** Vibrant Publishers,2022-06-22 Core Java Interview Questions You ll Most Likely Be Asked is a perfect companion to stand ahead above the rest in today s competitive job market Rather than going through comprehensive textbook sized reference guides this book includes only the information required immediately for job search to build an IT career This book puts the interviewee in the driver s seat and helps them steer their way to impress the interviewer   Oswaal ISC Question Bank Class 11 Computer Science | Chapterwise | Topicwise | Solved Papers | For 2025 Exams Oswaal Editorial Board,2024-03-02 Description of the Product 100% Updated with Latest 2025 Syllabus Typologies of Questions for 2024 Crisp Revision with Topic wise Revision Notes Smart Mind Maps Extensive Practice with 1000 Questions Self Assessment Papers Concept Clarity with 500 Concepts 50 Concept Videos 100% Exam Readiness with Answering Tips Suggestions   **Top 1000 Java Interview Questions and Answers: Includes Spring, Hibernate, Microservices, GIT, Maven, JSP, AWS, Cloud Computing** Knowledge Powerhouse,2018-05-06 This is the ultimate book

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