

*Ans*  
B. Sc. IT (Semester - 5<sup>th</sup>)  
PROGRAMMING IN JAVA  
Subject Code: BITE1-521  
Paper ID: [130425]

Time: 03 Hours

Maximum Marks: 60

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consists of 5 questions of 5 marks each. The student has to attempt any 4 questions out of it.
3. Section C consists of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section - A (2 marks each)

Q1. Attempt the following:

- a. Define Java Virtual Machine
- b. Define interface.
- c. What are Applets?
- d. Differentiate between String and String Buffer class.
- e. What is the utility of break statement?
- f. How multiple inheritances can be implemented in java?
- g. What is Action Listener?
- h. What is method overriding? Give an example.
- i. Differentiate between method overloading and overriding
- j. Write note on AWT.

Section - B (5 marks each)

Q2. Write a program illustrates user defined exception handling.

Q3. How to handle multiple catch blocks for a nested try block? Explain with an example.

Q4. Discuss various AWT containers with examples.

Q5. Explain about the adapter class with an example.

Q6. What is a constructor? What is its requirement in programming? Explain with program

Section - C (10 marks each)

Q7. What are wrapper classes? Discuss the various constructors of these classes. Why are wrapper classes required?

Q8. What is File Input Stream and File Output Stream. Explain in brief. Write a java program to copy the contents of one text file to another

Q9. How an Applet is created? Describe the Applet Life Cycle. What are the requirements for creating an Applet?

# 5th Sem Diploma Question Paper

**India. University Grants Commission**

## 5th Sem Diploma Question Paper:

*CONCEPTS OF ELECTRICAL AND ELECTRONICS ENGINEERING* K. Shashidhar,2013-05-17 CONCEPTS OF ELECTRICAL AND ELECTRONICS ENGINEERING is intended to be used as a text book for I Semester Diploma in Computer Science and Engineering This book is designed for comprehensively covering all topics relevant to the subject Each and every topic has been explained in a very simple language as per the syllabus prescribed by the Board of Technical Education Karnataka This book is divided into ten chapters Chapter 1 Electric Current and DC Circuits Chapter 2 Electrostatics Chapter 3 Electromagnetic Induction Chapter 4 AC Fundamentals Chapter 5 Transformers Chapter 6 Protection of Electric and Electronic Circuits Chapter 7 Motors Chapter 8 Electronic Components Chapter 9 Basics of Electronics Chapter 10 Op amp The text provides detailed explanations and uses numerous easy to follow examples accompanied by diagrams and step by step solutions Illustrative problems are presented in terms of commonly used voltages and current ratings To enhance the utility of the book important points and review questions objective and descriptive type have been included at the end of each chapter Model question papers have been provided to help students prepare better for the semester examinations It is hoped that the book will be of immense use to teachers and students of Polytechnics Suggestions for improvement in the future editions of this book will be appreciated I wish to express my gratitude to MEI Polytechnic Bangalore for providing me an opportunity to bring out this text book I am grateful to Sri Nitin S Shah M s Sapna Book House Bangalore for publishing this book I am thankful to M s Datalink Bangalore for meticulous processing of the manuscript of this book

**BASICS OF ELECTRICAL ENGINEERING AND ELECTRONIC COMPONENTS** K. Shashidhar,2013-05-31 **BASICS OF ELECTRICAL ENGINEERING AND ELECTRONIC COMPONENTS** is intended to be used as a text book for I Semester Diploma in Electronics and Communication Engineering This book is designed for comprehensively covering all topics relevant to the subject Each and every topic has been explained in a very simple language as per the syllabus prescribed by the Board of Technical Education Karnataka This book is divided into eight chapters Chapter 1 Basics of Electricity Chapter 2 Electrostatics Chapter 3 Electromagnetic Induction Chapter 4 AC Fundamentals Chapter 5 AC Circuits Chapter 6 Transformers Chapter 7 Batteries Relays and Motors Chapter 8 Passive Components The text provides detailed explanations and uses numerous easy to follow examples accompanied by diagrams and step by step solutions Illustrative problems are presented in terms of commonly used voltages and current ratings To enhance the utility of the book important points and review questions objective and descriptive type have been included at the end of each chapter Model question papers have been provided to help students prepare better for the semester examinations Multiple choice questions along with answers have been given towards the end of the book for the benefit of students taking up competitive tests It is hoped that this book will be of immense use to teachers and students of Polytechnics Suggestions for improvement in the future editions of this book will be appreciated I wish to express my gratitude to MEI Polytechnic Bangalore for providing me an opportunity to

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**Soviet Technological Curricula** Soviet Union. Ministerstvo vysshego obrazovaniia. Metodicheskoe upravlenie,1963

*Vocational and Technical Education* ,1981 *Debates; Official Report* Andhra Pradesh (India). Legislature. Legislative Assembly,1980 *Examination Reform* India. University Grants Commission,1973 *Sessional Papers* Great Britain.

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Parliament,1979 Includes various departmental reports and reports of commissions Cf Gregory Serial publications of foreign governments 1815 1931 *Journal of Education* ,1882 **Museum Bulletin** ,1981 **University System and Extension as the Third Dimension** India. University Grants Commission. Review Committee on Adult and Continuing Education,1987

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