Gandaki College of Engineering and Science Level: Bachelor Internal Exam Year: 2024 Program: Computer Engineering Semester: Spring Full Marks: 100 Course: Advanced Programming in Java Time: 3 hrs. Candidates are required to give their answer in their words as for as practicable. Pass Marks: 45 The figures in the margin indicate full marks. Attempt all the questions Describe Java Architecture with diagram. 1. a) Define the importance of setting up class path. What is the importance of 7 b) Differentiate between Java abstract class and interface with a sample 8 a) program. Define subclass and superclass. How can we achieve multiple inheritance in Java? Explain with example. Explain upcasting and downcasting with an example. b) Differentiate between AWT and Swing. Write the GUI program using 8 components to find the sum of two numbers Why do you need event handling? Explain the use of action event with 7 b) an example. Define Java Socket Programming. Write a java program to create own 8 a) client and server. Define RMI stubs and skeleton. Explain RMI architecture layer in detail. 7 b) Why CORBA is important? Compare CORBA with RMI. What is JDBC? Draw JDBC architecture and explain JDBC drivers with, 8 a) their advantages and disadvantages. WAP to connect a JAVA program with database successfully. b) 7 a) What is Servlet? Explain the life cycle of servlet. Write a simple JSP file to display "GCES" five times. 8 b) Write short notes on: (any two) 2*5 i) ORM ii) OOP Principle iii) HTTP methods- GET POST





















