

CBCS SCHEME

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15CS553

Fifth Semester B.E. Degree Examination, July/August 2021 Advanced Java and J2EE

Time: 3 hrs.

Max. Marks: 80

Note: Answer any FIVE full questions.

- 1 a. What are enumerations? Explain with an example. (04 Marks)
b. What are type wrappers? List and explain various wrapper classes. (06 Marks)
c. Explain various Retention policies of annotations with examples. (06 Marks)
- 2 a. Discuss "Java Enumerations are class types" and explain inherited methods ordinal() and compareTo (). (08 Marks)
b. Explain the following with example for annotation
i) Using default values ii) Built annotations. (08 Marks)
- 3 a. What is collection framework? Discuss the methods defined by collection interface. (08 Marks)
b. Explain the ArrayList class and its methods with example program. (08 Marks)
- 4 a. Discuss how to access collections using an iterator with example program. (08 Marks)
b. Discuss Map interface and its methods. (04 Marks)
c. Explain Legacy class 'stack' with example. (04 Marks)
- 5 a. Discuss various ways to construct strings. (04 Marks)
b. Explain the following methods of string class.
i) charAt() ii) toCharArray() iii) regionMatches() iv) startWith() v) compareTo()
vi) endsWith() (06 Marks)
c. Discuss various methods of StringBuffer class. (06 Marks)
- 6 a. Discuss any 4 methods to modify strings. (08 Marks)
b. Explain toLowerCase() and toUpperCase() methods with example. (04 Marks)
c. Discuss equals() versus "==" while comparing strings. (04 Marks)
- 7 a. Discuss the life-cycle of servlet. (04 Marks)
b. What is cookie? List out methods defined by cookie class with an example. (06 Marks)
c. List and explain various JSP Tags. (06 Marks)
- 8 a. Write a short note on HTTP request and response in servlets. (06 Marks)
b. Explain how to read data sent from client in servlet with example. (06 Marks)
c. Explain session object in JSP. (04 Marks)
- 9 a. Enumerate and explain various JDBC driver types. (04 Marks)
b. Explain various steps involved in JDBC process. (12 Marks)
- 10 a. Explain the prepared statement with an example. (04 Marks)
b. Explain the scrollable resultset and list various methods to scroll the resultset. (06 Marks)
c. Discuss MetaData in JDBC. (06 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.