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Question Paper Code: 93204

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Third Semester

Computer Science Engineering

19UCS304 - Object Oriented Programming with Java

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any six of the following questions)

1. Java compiler translates Java source code into _____. CO1- R
(a) Java bytecode (b) machine code.
(c) assembly code (d) another high-level language code.
2. _____ is a construct that defines objects of the same type. CO2- R
(a) A class (b) An object (c) method (d) data field.
3. What would be behaviour if the constructor has a return type? CO3- U
(a) Compilation error (b) Runtime error
(c) Compilation and runs successfully (d) Only String return type is allowed
4. Which of these can be used to fully abstract a class from its implementation? CO3- U
(a) Objects (b) Packages
(c) Interfaces (d) None of the Mentioned
5. Which of these type parameters is used for a generic methods to return and accept any type of object?. CO4- R
(a) K (b) N (c) T (d) V
6. Which of these types cannot be used to initiate a generic type? CO4- R
(a) Integer class (b) Float class
(c) Primitive Types (d) Collections

7. Which keyword is used to monitor statement for exception? CO5- R
 (a) try (b) catch (c) throw (d) throws
8. Which of these is a type of stream in Java? CO5- R
 (a) Integer stream (b) Short stream (c) Byte stream (d) Long stream
9. Which is the feature of JavaFX? CO6- R
 (a) FXML (b) Scene Builder (c) CSS-like Styling (d) All of them
10. Which method is not part of life cycle of JavaFX application? CO6- R
 (a) init() (b) start() (c) update() (d) stop()

PART – B (3 x 8= 24 Marks)

(Answer any three of the following questions)

11. Create a class called StudentData with properties ID, Name, and Age CO1-App (8)
 and methods to get and set these properties. Create Default and
 parameterized constructors to instantiate objects from the StudentData
 class. Call the getter and setter methods of each object's properties.
12. Develop a abstract Reservation class which has Reserve abstract CO3 - App (8)
 method. Implement the sub-classes like ReserveTrain and ReserveBus
 classes and implement the same.
13. Create a class with a generic method that can find out the maximum CO4 App (8)
 among the three arguments supplied.
14. Explain in details about exception handling techniques with example. CO5-U (8)
15. Develop an user interface for a digital calculator. Provide a solution to CO5- App (8)
 perform addition and subtraction.