Question Paper

Exam Date & Time: 29-Nov-2018 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES

FIRST SEMESTER MASTER OF ENGINEERING - ME (MEDICAL SOFTWARE/ EMBEDDED SYSTEMS)

Database Programming in Java [MMS 613]

Marks: 100

Duration: 180 mins.

END SEMESTER DEGREE EXAMINATION NOVEMBER 2018

Answer all the questions.

1)	Distinguish between the following	((10)
	terms	(3+3+4 marks)	
	a) Objects and classes		

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- b) Data abstraction and data encapsulation
- c) Inheritance and polymorphism

2)	a) What do you mean by just in time (JIT)		(10)
	compilation?	(4 marks)	
	b) How java achieves platform independent		
	codes?	(6 marks)	

- ³⁾ List and explain different iteration statements available in ⁽¹⁰⁾ java (10 marks)
- a) Explain the use of keyword super with an examples (10) (5 marks)
 b) Explain the Inner classes concept in Java (5 marks)
- ⁵⁾ Define the following a) Abstract

class

(3 marks)

b) Multilevel Inheritance

marks)

c) Dynamic method dispatch marks)

d) Method

(2

(10)

overriding (2 marks)

6)	 a) What are the difference b Unchecked Exceptions b) Explain in details the difference exception in Java (8) 	(2 marks)	the	(10)
7)	List and explain the characte approach	eristics of database (10 marks)		(10)
8)	a) What is the difference bet a database state? b) What are various categori	(4 marks)	ma and	(10)
9)	a) What is a database transa example. b) Explain the following API's marks)	ction? Explain it with a (5 marks)	an (5	(10)
	i) Connection	ii) Statement		
10)	a) Write a short note on Nest Queries marks)		(4	(10)
	b) Discuss the following term i). Views	is (2x3 ma ii). GROUP BY clause	arks)	

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