

**MSc.IT Programme  
(Model Paper)**

**4-Credits**

EXAM: **Model Paper**  
TIME: **1 ½ Hours**  
MAX MARKS: **50**

SUBJECT: **Model Paper**  
SUB CODE: **Model Paper**  
MINIMUM MARKS: **20**

Attempt all questions from section A&B and two questions from section C:

**Section –MCQ's**

**1 x15=15**

**Section –B (Short type)**

**5x3=15**

Q2. Define JVM and explain the execution steps involved in java code.

Q3. What are interfaces. How multiple inheritance is achieved through interface?

Q4. With the help of program/s explain the process of establishing connection to mysql database.

**Section –C (Long type)**

**2x10=20**

Q6. Explain concept of overloading and its different types. Write a Java code to subtract two complex numbers using operator overloading?

Q7. Write Java programme/s to merge the contents of two files, make necessary assumptions.

Q8. What is an exception? Create a custom exception which throws an exception if the variable age passed as argument to a method has value less than 20?

**MSc.IT Programme  
(Model Paper)**

**2-Credits**

EXAM: **Model Paper**

TIME: **45 - Minutes**

MAX MARKS: **25**

SUBJECT: **Model Paper**

SUB CODE: **Model Paper**

MINIMUM MARKS: **10**

Attempt All Questions from section A&B and one questions from section C:

**Section –MCQ's**

**1 x7=07**

**Section –B (Short type)**

**2x4=08**

Q2. Define JVM and explain the execution steps involved in java code.

Q3. What are interfaces. How multiple inheritance is achieved through interface?

**Section –C (Long type)**

**1x10=10**

Q6. Explain concept of overloading and its different types. Write a Java code to subtract two complex numbers using operator overloading?

Q7. Write Java programme/s to merge the contents of two files, make necessary assumptions.