

Question Paper



MANIPAL UNIVERSITY

SCHOOL OF INFORMATION SCIENCES (SOIS)
SECOND SEMESTER MASTER OF SCIENCE- MSc (Information Science)
DEGREE EXAMINATION - APRIL 2017

Friday, 21,2017

Time :10:00AM- 1:00PM

Advance Programming Techniques [MIS 506]

Marks: 100

Duration: 180 mins.

Answer all the questions.

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| 1) | Explain assignment and logical operators in Java | (10) |
| 2) | With an example explain the concept of abstract class | (10) |
| 3) | Write short notes on following java io classes
<div style="margin-left: 40px;">a)BufferedReader b)
InputStreamReader</div> | (10)
(5+5) |
| 4) | Explain briefly the keywords "super" and "this" in java. Provide suitable examples for each. | (10) |
| 5) | What is an expression and statement in Java explain with an example | (10) |
| 6) | Explain the usage of keyword "new" in arrays and objects in java | (10) |
| 7) | Explain polymorphism via interface with an example w.r.t JAVA | (10) |
| 8) | Explain the concept of exception handling with an example | (10) |
| 9) | Explain garbage collection and finalize() method in java | (10) |
| 10) | Write a short note on ActionListener and ActionPerformed() in java with suitable example | (10) |