

V Semester B.A./B.Sc. Examination, November/December 2018
(Semester Scheme)
COMPUTER SCIENCE - VI
Java Programming and Unix/Linux Operating System

Max. Marks : 70

Time : 3 Hours

70

SECTION - A

(1×10=10)

Answer any 10 questions.

- 1) List any two features of Java.
- 2) What is bytecode ?
- 3) Define object.
- 4) Write the syntax to declare an array in Java.
- 5) What is a wrapper class ?
- 6) What are packages ?
- 7) What is a background process ?
- 8) What is the use of 'grep' command in UNIX ?
- 9) Mention the various types of users in UNIX.
- 10) What is Kernel ?
- 11) Write any two secondary storage management commands in UNIX.
- 12) Write the logical operators in UNIX.

B.M.S.C.W



SECTION - B

II. Answer **any 5** questions.

(5×3=15)

- 13) Explain command line arguments with example.
- 14) What is a constructor ? Explain default constructor with an example.
- 15) Explain thread priorities in Java.
- 16) Write short notes on interfaces.
- 17) Explain salient features of UNIX operating system.
- 18) Write short notes on inode block.
- 19) Explain filters and pipes in UNIX.

SECTION - C

III. Answer **any 5** questions.

(7×5=35)

- 20) Explain decision making statements in Java.
- 21) Compare and contrast method overloading and method overriding in Java.
- 22) Explain life cycle of a thread.
- 23) Explain exception handling in Java.
- 24) Discuss in detail about UNIX system architecture.
- 25) Explain directory and file related commands with example.
- 26) Write short notes on system communication commands.
- 27) Explain the main functions of system administrator.

SECTION - D

IV. Answer **any 1** question.

(10×1=10)

- 28) Explain the different types of inheritance in Java with syntax and example.
 - 29) Discuss in detail about the various looping statements in UNIX with example.
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