

Code: 17F00204

MCA II Semester Regular Examinations June/July 2018

JAVA PROGRAMMING

(For students admitted in 2017 only)

Time: 3 hours

Max. Marks: 60

Answer all the questions

- 1 (a) Explain the feature of java. Justify how java is platform independent language.
- (b) Explain type conversion and type casting with an example.

OR

- 2 (a) Enumerate the rules for creating identifiers in java.
- (b) Explain object oriented programming. Write down advantages and characteristics of OOPS.

- 3 (a) Explain the peculiarity of java in providing multiple inheritance.
- (b) What is a constructor? What are its special properties? Explain with an example.

OR

- 4 (a) Write a program to extract a portion of a character string and print the extracted string assume that m characters are extracted, starting with the nth character.
- (b) When do we declare a class or method as final?

- 5 What is interface inheritance? What for are implements and extends keywords used? Explain by giving suitable example.

OR

- 6 Explain in detail about accessing implementations through interface references.

- 7 (a) Differentiate between byte streams and character streams.
- (b) Illustrate with an example, the two ways we can synchronize the code when two or more threads are trying to access it.

OR

- 8 (a) What is byte stream? Describe file handling carried out in Java with necessary examples.
- (b) How does an applet differ from application program? Explain about repaint method.

- 9 Create a form using swing with menu. Menu should have the items related to student management system. A related form should get opened when menu items are clicked.

OR

- 10 (a) Give a brief synopsis of methods and their description of component class widely used in swings.
- (b) How does a listener registers with one or more event sources?
