

# B.Tech sem-III I.T.

B. Tech. Sem - III (Inf. Tech.) (2014 COURSE) (CBCS) : SUMMER - 2019

## SUBJECT: PLATFORM INDEPENDENT PROGRAMMING PARADIGMS

Day: Wednesday  
Date: 15/05/2019

S-2019-2574

Time: 02.30 PM TO 05.30 PM  
Max. Marks: 60

### N.B.

- 1) All questions are **COMPULSAORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Assume suitable data with necessary.

Q.1 What is a Compiler? Explain Interpreters in detail. (10)

OR

Q.1 a) What is Cross Platform? (05)

b) Describe Operating System in detail. (05)

Q.2 Explain and Write Syntax of Ruby Programming language with any one example. (10)

OR

Q.2 Write Conditional statement and loops in Ruby programming language with example. (10)

Q.3 Draw and Explain JVM Architecture in detail. (10)

OR

Q.3 Describe Data Types for Java and write a program for Positive and Negative No. for Java. (10)

Q.4 What are the Key Features of Python? Write a program to find out Largest No. using Python. (10)

OR

Q.4 Explain Inheritance in Python with any one example. (10)

Q.5 Write Short Notes: (10)

- a) Web Server                      b) HTML.

OR

Q.5 What is Internet and Intranet? Draw Web Page using HTML for College Web Page. (10)

Q.6 Explain Cross Platform development and Challenges in detail. (10)

OR

Q.6 Describe JUCE Module Format in detail. (10)