Enrollment No.
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# Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot Affiliated to Saurashtra University, Rajkot

#### SEMESTER END EXAMINATION NOVEMBER 2018

## Bachelor of Computer Application / B.Sc. Information Technology 16UCACC22 / 16UITCC22 – WEB SERVICES API-JSON/XML (SELF STUDY)

Duration of Exam -2 hrs

Semester – V

Max. Marks – 35

#### Part A (6X1 = 6 marks)

Answer ALL questions

- 1. Write a full form of API.
- 2. Write a full form of SOA.
- 3. Write a full form of DTD.
- 4. Write a full form of JSON.
- 5. Write a full form of SOAP.
- 6. Write a full form of XML.

#### $\underline{Part B}$ (3X5= 15 marks)

Answer ALL questions

7a. What are Web Services? How Does a Web Service Work? Explain in detail.

OR

- 7b. What are the data types supported by JSON? Explain with appropriate example.
- 8a. Write any 5 difference: JSON vs XML.

OR

- 9b. Explain JSON object and JSON array with example.
- 9a. What is DTD? Explain DTD Elements and DTD Attributes

OR

9b. Explain JSON Advantages and Disadvantages.

### $\underline{Part\ C}\ (2X7 = 14\ marks)$

Answer **ALL** questions

10a. Explain Implode, Explode, json\_decode() function with example?

OR

- 10b. What is web service? Explain Architecture of web service.
- 11a. Overview of XML, document and element explain with appropriate example.

OR

11b. Explain any three constant of json\_encode() function with example?