



BlueCrest University College, Liberia.
Mid Term Exam Spring, 2020 - Answer Script

Program: BBA ☐ / BSc IT ☒

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Subject Name: Web Services
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Start writing the answers from below

Section A: Multiple Choice

- 1) d - all of the above
- 2) c - Service Registry
- 3) A) Requests are encoded in XML and sent via HTTP Post.
- 4) d - all of the above
- 5) b - Program or sequence of instruction that is interpreted or carried out by another program
- 6) b - Authentication
- 7) a - Different platforms
- 8) c - Service Description
- 9) b - Plug-ins
- 10) d - all of the above

Section B: Fill in the blanks

- 1) Human-Centric Web
- 2) XML Messaging
- 3) Web Resource
- 4) HTTP
- 5) XMLRPC Data Model

Section C: Essay - Any 2

1) The follow term are defined below:

a) Application Centric Web: is the conversation that place between applications, directly. It occurs easily between web browsers and servers.

b) Semantic web: is the ^{part of the} development of the World Wide Web in which data in web pages is composed with tags in a way that it can be read by computer easily.

c) Automated Web: is when a coded program functions as a robot, bots or ~~artificial~~ artificial intelligence, to perform task and complete processes that are done in a web browser or web application.

Section C: Essay - Any 2: Continuation

8. a) The main security considerations of web services are:

- Privacy: data transfer and communications must be protected against cyber hackers.
- Authorization: There should be restricted access to data on the web browser or web application. Different users access different levels of data.
- Authentication: Web services should identify the services with which they communicate accurately.
- Data Integrity: During data transmission, the data must be protected from threats.
- High availability: Web service must be easily located.

b) The six basic types of data types in XML-RPC are:

- double: 64-bit floating-point numbers.
- int or i4: 32-bit integers between -2,147,483,648 and 2,147,483,647.
- boolean: (true (1) or false (0)).
- string: ASCII text.
- base64: binary information in base 64.
- dateTime.iso8601: Dates in ISO 8601 format: (CCYYMMDDTHH:MM:SS).