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41622/F220

Reg. No.

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VI Semester B.C.A. UG Degree Examination, September - 2020
WEB DESIGNING AND PROGRAMMING
(Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

Write code snippets wherever required.

SECTION - A

1. Answer **All** the questions: (10×2=20)
- Define WWW.
 - What is Web application? Give example.
 - Explain the term DOCTYPE.
 - What is the function of CSS in Web design?
 - Enumerate the differences between Java and JavaScript.
 - Define with syntax - "the prompt box".
 - Define Dynamic Object Model.
 - How to access html element in JavaScript?
 - Define cookies.
 - What are the different types of errors in PHP?

SECTION - B

Answer any **Four** questions: (4×5=20)

- What is scripting language? Explain its types. How scripting languages are different from Non-Scripting languages?
- Explain the structure of XHTML document.

[P.T.O.]



4. Define PHP. Write the steps to install PHP.
5. What is XML? Describe anatomy of an XML document.
6. Write a note on
 - a) Array in JavaScript
 - b) Control statements in JavaScript.

SECTION - C

Answer any **Four** questions:

(4×10=40)

7. Explain various selector forms of CSS with an example of each.
 8. What is Box Model? Explain various properties of Borders, Margins and Padding with examples.
 9. What is event handling? Explain various events, attributes and their related tags.
 10. What is dynamic document? Explain position elements and moving elements with example.
 11. Write a note on [w.r.t. PHP] :
 - a) String and Regular Expressions.
 - b) Type and type Conversion.
 - c) Adding PHP to HTML.
 - d) Sessions.
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VI Semester B.C.A. UG Examination, September - 2020

BUSINESS INTELLIGENCE**(Regular)**

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

- 1) All Sections are compulsory.
- 2) Draw diagrams wherever necessary.

SECTION - A

Answer ALL the questions.

(10×2=20)

1.
 - a) What is meant by ERP?
 - b) List & Explain briefly any two challenges faced while storing unstructured data.
 - c) Describe the BI value chain.
 - d) Mention the advantages of OLTP system.
 - e) What is ODS?
 - f) What is Data Profiling?
 - g) Mention different types of dimension table.
 - h) List any four dimensions of data quality.
 - i) What are the features of good reporting?
 - j) What is Balanced Score Card?

SECTION - BAnswer any **FOUR** questions.**(4×5=20)**

2. Explain core business process of an enterprise.
3. Explain the different types OLAP architectures.
4. What are the goals that a data warehouse meant to achieve?
5. Explain the data modelling techniques.
6. What are Dashboards? How is balanced score card different from an enterprise dashboard?

[P.T.O.]



SECTION - C

Answer any **FOUR** questions.

(4×10=40)

7. Explain the malcolm Baldrige criteria for performance excellence framework with a neat diagram.
8. a) What is the single version of truth in BI? Explain with the help of an example.
b) State the difference in data models for OLTP & OLAP.
9. Describe the business component framework with diagram.
10. a) What is data integration? Explain the data integration techniques.
b) What is fact table? Explain the different types of facts.
11. Explain the various types of report Layouts.

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VI Semester B.C.A. Theory Examination, September - 2020

CLOUD COMPUTING

Cloud Computing -A Practical approach by Anthony T. Velte

(Regular)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates:

Draw neat diagrams wherever necessary.

SECTION - A

1. Answer **All** the questions.

(10×2=20)

- a) Define cloud computing.
- b) What is grid computing?
- c) What do you mean by thin client? List its advantages.
- d) What are APIs?
- e) Define active directory.
- f) Mention any two driving forces of SAAS.
- g) Define google gears and force.com.
- h) Define VMware.
- i) What is VMotion?
- j) Expand SOAP and REST.

SECTION - B

Answer any **Four** questions.

(4×5=20)

2. Why cloud computing matters? Explain with example.
3. Discuss cloud storage providers.
4. With a neat diagram, Explain software as a service
5. Explain Benefits and limitations of virtualized solutions.
6. Discuss briefly cloud services for individuals.

P.T.O.



SECTION - C

Answer any **Four** questions.

(4×10=40)

7. a) Explain PAAS and HAAS with a neat diagram.
b) List and explain the services offered by Amazon.
8. Explain the thin client and thick client. Discuss their major differences.
9. Discuss mobile device Integration with examples.
10. Define Bungee connect. Discuss different development platforms
 - a) Intuit quick base
 - b) Cast iron cloud.
11. Explain the class cloud offerings.