2016
INFORMATICS PRACTICES

Total marks : 70   Time : 3 hours

General instructions:
i)   Approximately 15 minutes is allotted to read the question paper and revise the answers.
ii) The question paper consists of 28 questions. All questions are compulsory.
iii) Marks are indicated against each question.
iv) Internal choice has been provided in some questions.
N.B: Check that all pages of the question paper is complete as indicated on the top left side.

1. **Choose the correct answer from the given alternatives :**   **5x1=5**

    (a) An organization gives some compensation for the increasing cost of living which is called__
         (i)   dearness allowance   (ii)   formal parameter
         (iii) actual parameter   (iv)   arguments

    (b) Parameters passed to the procedure are called
         (i)   sub procedure   (ii)   formal parameter
         (iii) actual parameter   (iv)   arguments

    (c) Identify which is an application that request information from a server.
         (i)   OSI   (ii)   database server
         (iii) database clients   (iv)   transaction

    (d) ____ cancels the changes made within the current transaction.
         (i)   ROLLBACK   (ii)   COMMIT
         (iii) HAVING   (iv)   TRANSACTION

    (e) The bind variable is prefixed by
         (i)   semicolon(;)   (ii)   exclamation(!)
         (iii) colon(:)   (iv)   percent(%)

2. Define referential integrity.   **1**

3. What is the use of pointer tool?   **1**

4. What is the purpose of Exit For statement?   **1**

5. What is meant by transaction in Oracle?   **1**

6. What are the two ways of defining integrity constraint?   **1**

7. What is an exception-handling code?   **1**

8. How can you change a trigger?   **1**

9. What is meant by financial accounting?   **2**

10. What are the different symbols used in E-R diagram?   **2**

11. What is the difference between a module and a procedure?   **2**

12. What is a data provider?   **2**

13. What is the function of the bound column property?   **2**

14. How can you access a function property?   **2**

15. Explain dynaset-type recordset.   **2**

16. What are the two properties of the text-box control that must be set when you bind the input control to the data control on a form?   **2**

17. What is the purpose of the following properties of the command objects?
    (i) ActiveConnection   (ii) CommandType   **2**

18. Define commit operation.   **2**

19. What are the two ways of assigning value to a variable?   **2**

20. What are the different parts of a procedure?   **2**

21. **a.** Define entities. Differentiate between dependent entity and independent entity with example.
                                  Or   **4**
    b. Explain the types of relationship between entity set.

22. **a.** Explain the uses of the following function.
    (i) mid   (ii) space   (iii) sqr   (iv) string

    Or   **4**

    b. Create a project to check if the number entered is even or odd. Write the code.

23. **a.** Explain clearly about retrieve structure and clear structure.

    Or   **4**

    b. Explain the four types of error in Visual Basic.

24. **a.** Write the sql statement of the following from the DUAL table.
    (i)   to find out the months between two dates between 15jan 2013 and 15 April 2013.
    (ii) to add 6 months in a date 20th April 2013.
    (iii) to find out the first Thursday after the date 12th March 2013.
    (iv) to find out the last day of the current date.

    Or   **4**

    b. What are the three parameter modes? Explain any two.

25. **a.** Write a PL/SQL code that will find out the greatest of two numbers.

    Or   **4**

    b. What are the important points we should have to consider while using For-Loop in PL/SQL?

26. **a.** Explain the following cursor attribute.
    (i)   SQL%ISOPEN   (ii)   SQL%FOUND
    (iii) SQL%NOTFOUND   (ii)   SQL%ROWCOUNT

    Or   **4**

    b. Using SQL%ROWCOUNT, write a PL/SQL code to accept the department number and delete the corresponding records from the table EMP. Display the number of records deleted.

27. **a.** Define the Zorder method and explain object and position of the Zorder method.

                              Or   **5**

     b. Write visual basic code to load and unload child forms and to change the background color and caption of the child form.

28. **a.** Explain the advantages of distributed database in Sharing, Availability and Reliability, and Speedup Query processing.

                              Or   **5**

     b. Explain two advantages and one disadvantage of data replication.

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