HISSAN CENTRAL EXAMINATION – 2080 (2024)

Grade : XII   **F.M. : 50**
Time   : 2 hrs

COMPUTER SCIENCE (4281)

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

GROUP A

Multiple Choice Questions.
Choose the correct answer.   [9×1=9]

1. Which of the following SQL command is used for removing (or deleting) a relation form the database?
   A) Delete   B) Drop
   C) Remove   D) Rollback
2. Which of the following statements is TRUE?
   A) Candidate keys are subsets of superkeys
   B) Candidate keys are superkeys
   C) Candidate keys are supersets of superkeys
   D) Candidate keys are sets of superkeys
3. What will be the output of the following query?
   Select * from employee where salary>50000
   A) salary of employee only
   B) name of employee only
   C) id of employee only
   D) all the field of the employee relation
4. Which type of topology is best suited for large businesses which must carefully control and coordinate the operation of distributed branch outlet?
   A) Star   B) Ring
   C) Bus   D) LAN
5. What will be the ouput of the the following PHP code?
   ```
   <? Php
   $color =green;
   echo "$color";
   ?>
   ```
   A) blue   B) $color
   C) black   D) Error
6. Which symbol is used separate JavaScript statements??
   A) Comma (,)   B) semicolon (;)
   C) colon (:)   D) Hyphen (_)
7. Which is not a valid variable name in PHP?
   A) 2roll   B) roll
   C) stdroll   D) _roll
8. Which feature of OOPS described the reusability of code?
   A)   Object. B) Polymorphism.
   C. Inheritance.   D) None of the above.
9. In which Phase the software is checks for bugs and verifies its performance before delivery to users?
   A) System analysis   B) System Testing
   C) System design   D) System Development

GROUP B

Short Answer Questions   [5×5=25]

10. Explain any five advantages of DBMS.   [5]
    OR
    State first normal form. Write the requirement for 2NF.   [2+3]
11. Write a program in JavaScript to find factorial value of a number.   [5]
    OR
    Write a PHP program to print sum of the digits.   [5]
12. Define the terms class and object. How the programmers are benefited from polymorphism feature of OOPs?   [1+1+3]
13. Explain the importance of system design phase of SDLC.   [5]
14. What is e-commerce? Write any four advantages of e-commerce. [1+4]

GROUP C

Long Answer Questions   [2 × 8 = 16]

15. What is computer network? Explain different types of computer network based on geographical area.   [2+6]
16. Create a structure named "player" to store details like pname, pgame, age and salary.Write a C program to input details for five players and display their information in proper format.   [8]
    OR
    Create a structure called "manager" with members mname, age, branch and salary. Write a C program to input data for 10 managers, display their information of managers in proper format.   [8]

THE END