

Sub.Code : 4281'B'

NEB - GRADE XII

2079 (2022)

Computer Science

Grade Increment (Supplementary) Examination

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

Time: 2 hrs.

Full Marks: 50

Attempt all the questions.

Group 'A'

Rewrite the correct options of each questions in your answer sheet. 9x1=9

1. Which key is an attribute of a table that matches a primary key attribute in another table to create a relationship?
A) Candidate B) Primary C) Foreign D) National
2. What is called the user has identified via a username and password in DBMS?
A) Authentication B) Authorization C) Accounting D) Auditing
3. Which is default subnet mask for the class C IP address?
A) 255.0.0.0 B) 255.255.255.0 C) 255.255.0.0 D) 255.255.255.255
4. What would be the value of "z" in the given code in JavaScript?
var x = 5; var y = 2; var z = x % y;
A) 1 B) 2 C) 0 D) 2.5
5. Which is the correct open tag and close tag for PHP scripts?
A) { } B) <?php ?> C) <> D) <? ?>
6. Which statement(s) is/are true to open a binary file "Record.dat" for reading and writing ?
A) file=open("Record.dat","wb") C) file=open("Record.dat","rb")
B) file=open("Record.dat","ab") D) file=open("Record.dat","rb+")
7. What is called in class to wrapping /hiding of data into a single unit?
A) Abstraction B) Polymorphism C) Encapsulation D) Inheritance
8. What software development approach should a company use if they want to consider the input of users in the development process?
A) RAD B) Agile C) Waterfall D) Prototype
9. Which is not types of cloud services
A) SaaS B) PaaS C) IaaS D) CaaS

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(2)

Group 'B'

Short answer questions

5x5=25

10. What are the roles of the database administrator ? Describe.

OR

Describe the DDL statement with an example in SQL.

11. Describe the class C IP address with an example.

OR

Compare the star and ring topology with its features.

12. What is inheritance ? Explain with an example..

13. Describe the waterfall software development model with pros and cons.

14. Write a short note on e-governance and e-commerce.

3+2

Group 'C'

Long answer questions

8x2=16

15. What are the uses of Java Script in web page development ? How do you connect the PHP and My SQL database ? Explain with connection class.

3+2

16. Define function. Write a program to generate factorial of given number using recursive function in C program.

3+5

OR

Explain the three modes of file opening in C. Write a program to reads name and roll from a file named "exam.dat" and display them.

5+3

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Contd...