

4008-03

Printed Pages : 4

Degree (Part-II) Vocational Examination, 2021

(Honours)

BCA

[Paper : Third]

[PPU-D-II-(V)-(H)-BCA-3]

Time : Three Hours]

[Maximum Marks : 75

Dem-65

Note : Candidates are required to give their answers in their own words as far as practicable. Answer **any five** question in all. All the questions are of **equal** value.

1. (a) Define Network Topology. Discuss the types of Network Topology.

40 (b) What is switching techniques ? Discuss advantages of Packet Switching.

2. (a) What is ISP ? Discuss the role of ISP.

(b) What is E-mail ? Write steps to send a mail to many recipients.

~~3.~~ (a) State and prove the De'Morgan theorem in Boolean Algebra.

5 ~~(b)~~ What is K-Map ? Discuss K-Map for 2-variable using suitable example.

4. (a) What is Internet ? Discuss advantages of Internet.

(b) Discuss encoder and decoder with suitable example.

5. ~~(a)~~ Write formatted input/output function of C-language.

(b) What is Variable ? Discuss the scope of variable.

6. (a) What is Operator ? Discuss Binary operator with suitable example.

(b) What is type casting ? Discuss the types of type casting.

~~7.~~ ~~(a)~~ Write the difference between while and do-while loop.

(b) What is pointer ? Write a program to take two number add them using pointer.

8. (a) Discuss dynamic memory allocation with suitable example.
- (b) Write a program to take a number and print factorial of that number.
9. (a) What is structure ? Discuss the advantages of structure.
- (b) Write a program to take student name, roll no. and marks display using structure.
10. Write short notes on any four of the following :
- (a) f print f ()
- (b) f scan f ()
- (c) Recursion function
- (d) Call by reference function
- (e) size of ()
- (f) Union

----- x -----