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Reg. No.

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I Semester B.C.A. 6 (NEP) Degree Examination, March/April- 2024

FUNDAMENTALS OF COMPUTERS*(Regular/Repeater)*

Time : 2 Hours

Maximum Marks : 60

Instructions to Candidates:

1. All questions are compulsory, subject to internal choice.
2. Draw the neat diagrams wherever necessary.

Answer any SIX questions.

(6×2=12)

1. a) What is computer?
b) Name any two input and output devices.
c) $20_{(10)} = \underline{\hspace{2cm}}$ (2)
d) Define compiler.
e) Define operating system.
f) Define shell.
g) What is Database?
h) Expand WWW and URL.

Answer any THREE questions.

(3×4=12)

2. a) Explain any five characteristics of computer.
b) Describe I and II generation of computer.
c) Explain Basic organization of a digital computer with neat diagram.
d) Explain CPU of computer.

[P.T.O.]





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Answer any THREE questions.

(3×4=12)

3. a) Convert the following.

i) $10101_{(2)} = \text{_____}_{(10)}$

ii) $125_{(10)} = \text{_____}_{(2)}$

b) Explain boolean operators with truth table.

c) What is flowchart? List the symbols of flowchart.

d) Write the difference between High level language and low level language.

Answer any THREE questions.

(3×4=12)

4. a) Write the difference between system program and application program.

b) Explain multi programming operating system.

c) Explain the Architecture of Unix.

d) Write the purpose of following commands with syntax and example.

i) PWD

ii) CP

iii) MV

iv) Cat

Answer any THREE questions.

(3×4=12)

5. a) Write the difference between file system and DBMS.

b) List the uses of Internet.

c) Expand DBA? List the roles of DBA.

d) Write the difference between HTTP and HTTPS.