

2008

Time: 3 Hours

Full Marks: 75

Candidate is required to give their answers in their own words as far as practicable.



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Answer any **Five** questions.

Question no.1 is compulsory

All Questions have equal marks.

Q.1 What do you understand by Network? Explain various network topologies.

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Q.2 What is communication channel? Explain different types of communication channel.

[1]

[Turn-over]

Q.3. Differentiate between Internet and Intranet. Discuss the growth of the internet.

Q4. What are POP and web based email? Write the advantages of POP based email and disadvantages of web based email.

Q5. How can you search a website by its content? Explain with example. Write any free email service providers with URL address

Q6. What do you understand by Boolean algebra? Prove the following:-

a) $A (A + B) = A.B$

b) $A.B + A.B = A$

[2]

[Continued]

Q7. What do you understand by operator precedence? Give the list of precedence of various operators in C. Distinguish between a unary and binary operator with examples.

Q8. Explain various data types used in C with appropriate examples.

Q9. What do you mean by Simplex and Duplex? Describe the half Duplex transmission.

10. Write short notes on the following:-

a) Logic gate

b) Demorgan's theorem

c) Header files in C

d) Pointer

[3]

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