



RAN - 1911000302030081 - CS

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**F. Y. B. Sc. (Computer Science) (Sem. - II) Examination April - 2023**

**Computer Science : Paper - I**

**201- Fundamentals of Computer and Database Management**

**सूचना : / Instructions**

(1)

नीचे दृशविले निशानीवाणी विगतो उत्तरवली पर अवश्य लभवी.  
**Fill up strictly the details of signs on your answer book**  
Name of the Examination:  
F. Y. B. Sc. (Computer Science) (Sem. - II)  
Name of the Subject :  
Computer Science : Paper - I 201- Fundamentals of Computer and Database Management  
Subject Code No.: 1911000302030081-CS

Seat No.:

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Student's Signature
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**Q. 1. Answer the following: (Any seven)**

**[14]**

- 1) What is number system?
- 2)  $10101_2 = \text{_____}_{10}$ .
- 3) What is truth table of logic gates?
- 4) Draw figure for NOT gate.
- 5) List objectives of operating system.
- 6) Define database.
- 7) What is primary key? List advantages of it.
- 8) What is pattern matching? Also give example.

**Q. 2. Answer the following:**

**[12]**

- 1) Explain how to convert octal to binary with example.
- 2) Explain binary addition and binary subtraction with example.

**OR**

- 1) Discuss AND gate and OR gate.
- 2) Explain process life cycle.

**Q. 3. Answer the following:** [12]

- 1) Explain medium - term and short-term scheduler
- 2) Discuss multiprogramming model with its advantage and disadvantage.

**OR**

- 1) Explain virtual memory.
- 2) Explain datatype of dbms.

**Q. 4. Answer the following: (Any two)** [12]

- 1) Explain create table with its constraints.
  - 2) Explain select statement with example.
  - 3) Discuss 3 string functions with example.
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