

RAN-2511001005033001

B.Sc. (Computer Science) (NCF-NEP) (Sem. - V) Examination March - 2026 CS - 505 - MJ3 - Handling Database Using Python (Major 3)

[Total Marks: 25]

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q. 1. Answer the following.** 8
- (A) Answer any four** 4
- The value of π (pi) given by Aryabhata in Aryabhatiya (Verse 3.1) is approximately:
 - 3.1416
 - 3.1429
 - 3.1315
 - 3.125
 - The Shulba Sutras are primarily associated with:
 - Astronomy
 - Geometry of altar constructions
 - Poetry
 - Algebraic equations
 - Which geometrical shape construction is explained in Shulba Sutras 4.2.1?
 - Circle
 - Square
 - Triangle
 - Pentagon
 - Brahmagupta's famous text is called:
 - Siddhanta Shiromani
 - Aryabhatiya
 - Brahmasphutasiddhanta
 - Sulba Sutra
 - The trigonometric term Kotijya in Aryabhatiya refers to:
 - Cosine
 - Tangent
 - Cotangent
 - Secant
- (B) Answer any four.** 4
- Explain ACID properties.
 - What is MongoDB used for?
 - Define fetchone() method in SQLite.
 - What is CSV file handling in Python?
 - Define geometry management in Tkinter.

- Q.2. Answer the following. 12**
- (A) Write MongoDB commands for insert, delete and update. Explain with examples. 7
- OR**
- (A) Explain skip() and limit() functions in MongoDB with example. 7
- (B) Explain working with conditions in MongoDB queries. 5
- Q. 3. Answer any one. 5**
- (A) Explain importing sqlite3 module with example.
- (B) Write Python code to update and delete a record from SQLite.
- (C) Describe Tkinter window resizing and dimensions with example.
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