

**UDHNA CITIZEN COMMERCE COLLEGE &
SPB COLLEGE OF BUSINESS ADMINISTRATION &
SMT. DIWALIBEN HARJIBHAI GONDALIA COLLEGE OF BCA & I.T.**

CLASS: S.Y.B.C.A(SEM-III)

ACADEMIC YEAR 2026-27

SUBJECT: 307 - INDIAN KNOWLEDGE SYSTEM IN CONTEXT TO COMPUTER - 01

ASSIGNMENT - 1

1. Explain Bhaskaracharya's method of multiplying large numbers (Sutra 5).
2. Explain the geometric relationship described in Sutra 17.
3. State Lilavati's theorem (Sutra 23) and its connection to the Pythagorean theorem.

ASSIGNMENT - 2

1. Discuss Aryabhata's contribution to planetary motion (Sutra 1.13).
2. How are star movements described in Sutra 2.18?
3. Explain the concept of lunar and solar eclipses in Sutra 4.5.

INSTRUCTIONS

1. Students must upload the assignment using Udhna College Application.
2. Assignment submission date will be declared later on.



Authorized Signature