

# Assignment Booklet

## BSCAEY Programme

B.Sc (Applied Sciences - Energy)

| Fourth Semester |                                                     |
|-----------------|-----------------------------------------------------|
| BEY – 006       | Zero Emission Vehicles                              |
| MST – 004       | Probability Theory                                  |
| BEY – 014       | Data Analysis with R and Python                     |
| BEYE – 025      | Stories from Indian Epics, Puranas and Siddhanta(s) |
| BEYE – 026      | Hindi ka Rashtriya evam Sanskritik Kavya            |
| CBKG – 002      | कालगणना की विधियाँ                                  |
| BSKAE – 181     | भारतीय ज्ञान परम्परा                                |



**SCHOOL OF ENGINEERING & TECHNOLOGY**  
**INDIRA GANDHI NATIONAL OPEN UNIVERSITY**

Maidan Garhi, New Delhi – 110 068

**JULY 2026**

Dear Student,

Please read the information on assignments in the Programme Guide that we have sent you after your enrolment. A weightage of 30%, as you are aware, has been earmarked for continuous evaluation, **which would consist of one tutor-marked assignment** for this Programme. The assignment for BSCAEY (Fourth semester) has been given in this booklet.

### Instructions for Formatting Your Assignments

Before attempting the assignment, please read the following instructions carefully:

1) On top of the first page of your answer sheet, please write the details exactly in the following format:

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ENROLLMENT NO : .....

NAME : .....

ADDRESS : .....

.....

.....

PROGRAMME CODE: .....

COURSE CODE: .....

COURSE TITLE: .....

STUDY CENTRE: .....

DATE: .....

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**PLEASE FOLLOW THE ABOVE FORMAT STRICTLY TO FACILITATE  
EVALUATION AND TO AVOID DELAY.**

- 2) Use only foolscap size writing paper (but not of very thin variety) for writing your answers.
- 3) Leave 4 cm margin on the left, top and bottom of your answer sheet.
- 4) Your answers should be precise.
- 5) **These assignments submitted should be hand written in your own hand writing.**

**We strongly suggest that you should retain a copy of your answer sheets.**

- 6) **You cannot fill the Exam Form without** submission of the assignments. So solve it and **submit it at the earliest**. If you wish to appear in the **TEE, June 2026**, you should submit your TMAs by **April 30, 2026**. Similarly, if you wish to appear in the **TEE, December 2026**, you should submit your TMAs by **September 30, 2026**.
- 7) Assignments will be submitted at **your respective regional centre**.

We wish you good luck!

**Assignment -5**  
(To be done **after** studying the course material)

**Course Code: BEYE-025**  
**Course Title: वैदिक गणित के अनुप्रयोग**  
**Assignment Code: BEYE-026/TMA/2026**  
**Maximum Marks: 100**

**Last Date of Submission: May 31, 2026 (For June TEE), September 30, 2026 (For December TEE)**  
**Note:**

1. नोट - सभी प्रश्न अनिवार्य हैं

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**(क) निम्नलिखित में से किन्हीं सात (07) पर टिप्पणी लिखिए -**

(7 × 10)

- Q.1 वैदिक बीजगणित अथवा बौधायन शुल्बसूत्र के महत्व को लिखिए ।
- Q.2 दैनिक जीवन में वैदिक गणित के योगदान को उदाहरण की सहायता से स्पष्ट कीजिए ।
- Q.3 'एकन्यूनेन पूर्वेण' को उदाहरण की सहायता से स्पष्ट कीजिए ।
- Q.4 'निखिलं नवतश्चरमं दशतः' सूत्र के उपयोग पर लेख लिखिए ।
- Q.5 'शून्यं साम्यं समुच्चये' सूत्र को उदाहरण के माध्यम से स्पष्ट कीजिए ।
- Q.6 'एकाधिकेन पूर्वेण' का अभिप्राय व प्रयोग को उदाहरण द्वारा स्पष्ट कीजिए ।
- Q.7 प्राचीन भारतीय कालगणना के उपयोगी यन्त्रों पर प्रकाश डालिए ।
- Q.8 त्रिकोणमिति की अवधारणा को स्पष्ट कीजिए ।
- Q.9 गणित में प्रयुक्त तकनीकी शब्दों को स्पष्ट कीजिए ।

**(ख) निम्नलिखित में से किन्हीं पांच (05) पर टिप्पणी लिखिए -**

(5 × 6)

- Q.10
  - 1. वृत्त
  - 2. लम्ब एवं कर्ण
  - 3. सूर्यसिद्धान्त
  - 4. लीलावती
  - 5. भारती कृष्णतीर्थ
  - 6. वर्गकरण सूत्र