

B. A. (GENERAL) (BAG)

Term-End Examination

December, 2025

**BTTS-183 : AN INTRODUCTION TO MACHINE
TRANSLATION**

Time : 2 Hours

Maximum Marks : 50

***Note :** The question paper is divided into two Sections – Section A and Section B. Section A pertains to short answer type questions and Section B pertains to long answer type questions.*

Section—A

***Note :** Attempt any **five** questions from this Section in about **250** words each. $5 \times 6 = 30$*

1. Illuminate Indian Tradition of Translation.
2. Elucidate the utility of Lemmatizer in Computational Linguistics.

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3. Define translation and explain its subdivisions.
4. What is a POS tagger ? List the various methods to tag parts of speech.
5. What is Neural Machine Translation (NMT) ? Discuss the Encoder-Attention-Decoder Model in NMT.
6. Interpret Vauquois' triangle.
7. Write a note on language services market in India.

Section—B

*Note : Attempt any **two** questions from this Section in about **400** words each. $2 \times 10 = 20$*

8. Illuminate Indian Research efforts in Machine Translation.
9. What are the classical approaches to Machine Translation ? Discuss their advantages and disadvantages.
10. Write a detailed note on Python programming language and its applications.

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