B. A. 6th Semester (Honours) Examination, 2022
Sanskrit
Course Code – AHSNS604/DSE- 4   **Course ID: 60917**
Course Title – Vyākaraṇa

Full Marks – 40   **Time– 2 Hours**

The figures in the margin indicate full marks.

1) **Answer** *any <u>one</u>* **of the following questions.**   10X1=10
a) Write a detailed note on computational semantics.

b) Discuss about different types of machine translation systems.

c) Discuss the different computational syntactical models.

2) **Answer** *any <u>four</u>* **of the following questions.**   5X4=20
a) Explain computational morphology with reference to Sanskrit.

b) Write a note on finite state automata.

c) Write a note on Name Entity Recognition.

d) What a note on anaphor resolution.

e) Write a note on language divergence.

f) Write a note on set theory

g) Write a note on Parsing.

3) **Answer** *any <u>five</u>* **of the following questions.**   2X5=10
a) What is computational phonology?

b) What is discourse analysis?

c) What is text summarization?

d) What do you understand by programming language?

e) What do you understand by speech synthesis?

f) What is text data mining?

g) What do you understand by machine learning?

h) How far computational linguistics help us in our daily life?