SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai - 600 044.
M.Sc.Computer Science - END SEMESTER EXAMINATIONS - NOV'2024
SEMESTER - I
24PCSET1A01 - Artificial Intelligence

Total Duration : 1 Hrs. 30 Mins.   Total Marks : 40

Section B

Answer any **TEN** questions $(10 \times 2 = 20$ Marks$)$

1. What is Generative AI?

2. List the Different types of AI.

3. What is NLP?

4. Define Neural Networks.

5. Differentiate Machine learning and deep learning.

6. What is Prompt Engineering?

7. Define chatbot.

8. What is Retrieval Augmented Generation (RAG)?

9. What is Tree-of-Thought approach?

10. Difference between Intent and Entities.

11. What is Digressions?

12. How to deploy your chatbot in Wordpress site.

Section C

I - Answer any **FOUR** questions $(4 \times 5 = 20$ Marks$)$

13. Discuss about the impact of Generative AI when compared to Traditional AI.

14. Explain the Generation of text, image and code using Generative AI.

15. Describe the applications of Generative AI.

16. List the types of approaches used to write an effective prompt.

17. Write the steps for creation and deployment of a chatbot.

18. Explain about the applications and tools of Generative AI.

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