

Indian Institute of Technology, Madras - BS in Data Science and Applications

Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	IIT M DEGREE AN2 EXAM QPE2 16 JULY 2023
Subject Name :	2023 July: IIT M DEGREE AN2 EXAM QPE2
Creation Date :	2023-07-10 17:54:46
Duration :	120
Total Marks :	575
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Calculator :	Scientific
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

69090

Question Number : 131 **Question Id :** 640653578964 **Question Type :** SA **Calculator :** None

Response Time : N.A **Think Time :** N.A **Minimum Instruction Time :** 0

Correct Marks : 0.5

Question Label : Short Answer Question

Enter the correct answer for **blank J** (in ₹)

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

17539

PSM

Section Id :	64065339130
Section Number :	6
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	4
Number of Questions to be attempted :	4
Section Marks :	50

Display Number Panel :	Yes
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	64065382953
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 132 Question Id : 640653578965 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DEGREE LEVEL : PRIVACY & SECURITY IN ONLINE SOCIAL MEDIA (PEN AND PAPER EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?
CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406531933035. ✓ YES

6406531933036. ✗ NO

Sub-Section Number :	2
Sub-Section Id :	64065382954
Question Shuffling Allowed :	No
Is Section Default? :	null

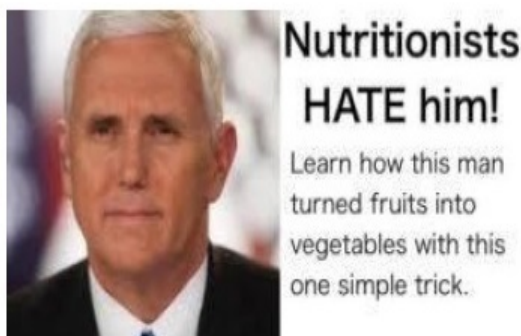
Question Number : 133 Question Id : 640653578966 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 10

Question Label : Multiple Choice Question

1. Objective Type Questions [1 Mark each]

- A. The strength of weak ties is that only weak ties may be _____ bridges.
- B. _____ is a location based technology platform for unlocking the power of places and movement.
- C. _____ is a Python library for accessing the Twitter API.
- D. [True/False] We can only extract the images/videos using Instagram API?
- E. [True/False] Displacy is a visualization tool.
- F. Choose the correct statements: [MSQ]
 - 01. Satires , the content is based on actual news stories.
 - 02. Parody, the content is fabricated.
 - 03. Parody , the content is based on actual news stories.
 - 04. Satires, the content is fabricated.
- G. Which of the following statements is/ are correct regarding Reddit platform? [MSQ]
 - 01. A user can join only one community on the Reddit platform.
 - 02. Communities in Reddit are known as subreddits.
 - 03. Post on Reddit is also called submissions.
 - 04. Pushshift API is the official API of reddit.
- H. Which of the following statements accurately describes the Reddit Pushshift API? [MCQ]
 - 01. The Pushshift API allows users to submit and share content on Reddit.
 - 02. The Pushshift API provides real-time updates on trending posts and discussions on Reddit.
 - 03. The Pushshift API is a public API that provides access to historical Reddit data.
 - 04. The Pushshift API is only available to moderators and administrators of Reddit communities
- I. A _____ network is one in which the distribution of links to nodes follows a power law.
- J. Identify the type of fake story.



Options :

6406531933037. ✓ I have written answers on the answer sheets

6406531933038. ✖ Not applicable

Sub-Section Number : 3
Sub-Section Id : 64065382955
Question Shuffling Allowed : No
Is Section Default? : null

Question Number : 134 Question Id : 640653578967 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 15

Question Label : Multiple Choice Question

Short Answer Questions [3 Marks each]

2. Make a graph each for Facebook and Twitter users and mention difference in their connections.
3. On what basis can we differentiate among Misinformation, Disinformation and Malinformation?
4. What are the key stages or processes involved in fact-checking the accuracy of news articles or claims?
5. What are the 4V's of social media?Explain. What is the 5th V?
6. How does the emergence of multimodal fake news impact the challenges and methods involved in fact-checking?

Options :

6406531933039. ✓ I have written answers on the answer sheets

6406531933040. ✖ Not applicable

Sub-Section Number : 4
Sub-Section Id : 64065382956
Question Shuffling Allowed : No

Is Section Default? :

null

Question Number : 135 Question Id : 640653578968 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 25

Question Label : Multiple Choice Question

Long Answer Questions [5 Marks each]

7. Mention any two differences between Twitter API and pushshift API? Create a GET request to pull all the Reddit comments that were made in less than 30 seconds over the past 24 hours to the subreddit /r/india.

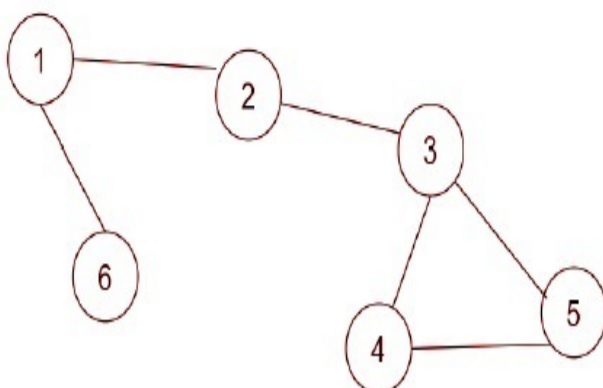
8. Why is preprocessing of the text corpus a must before using it as application input? Which would you prefer: Stemming or Lemmatization and Why?

9. What is TFIDF? Calculate TFIDF for the words 'He' and 'very' for the given two documents.

Document 1		Document 2	
Term	Term Count	Term	Term Count
He	2	He	3
is	2	is	2
very	2	super	2
intelligent	2	excited	2

10. What are the different types of fake news/content discussed in the lectures? Name and explain any five types.

11. Find out the betweenness centrality for **Node 1** and **Node 3** as shown in the graph below.



Options :

6406531933041. ✓ I have written answers on the answer sheets

6406531933042. ✖ Not applicable

RL

Section Id :	64065339131
Section Number :	7
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	14
Number of Questions to be attempted :	14
Section Marks :	50
Display Number Panel :	Yes
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	64065382957
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 136 Question Id : 640653578969 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DEGREE LEVEL : REINFORCEMENT LEARNING (COMPUTER BASED EXAM)"