BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: MSC   SEMESTER : III
BRANCH: GEOINFORMATICS   SESSION : MO/19
SUBJECT: GI607 GEOINFORMATICS FOR DISASTER MANAGEMENT
TIME: 3 HOURS   FULL MARKS: 50
INSTRUCTIONS:
1. The question paper contains 5 questions each of 10 marks and total 50 marks.
2. Attempt all questions.
3. The missing data, if any, may be assumed suitably.
4. **Before attempting the question paper, be sure that you have got the correct question paper.**
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

Q.1(a)   What are Natural and Human induced disasters? Discuss and elaborate.   [5]
Q.1(b)   Hazards and Disasters – what is the relationship between these two?   [5]

Q.2(a)   Describe administrative structure for Disaster Management in India.   [5]
Q.2(b)   Geoinformatics is useful in different stages of disaster management - Justify this statement. [5]

Q.3(a)   How does Earthquake take place and how can it have devastative impact?   [5]
Q.3(b)   Describe significant mining hazards which may lead to disasters.   [5]

Q.4(a)   How does river flood take place? Describe various types and reasons of this Hydro-meteorological [5]
         hazard.
Q.4(b)   What are the causes of Desertification? Elaborate.   [5]

Q.5(a)   Landslides in the Himalayan region – discuss the implications and its mitigation.   [5]
Q.5(b)   What are the probable causes of floods in the Indo-Gangetic Plains and its impacts?   [5]

:::::27/11/2019:::::M