

FACULTY OF ENGINEERING
M.E.(Civil-SE, TE, EEE-PE, ECE-DS, ES, Mech-Cad/Cam)/M.Tech.(CSE) I Semester (AICTE)
(Main) Examination, July 2021

Subject: English for Academic and Research Writing

Time: 2 Hours

Max. Marks: 70

- Note: i) First Question is compulsory and answer any Three questions from the remaining six questions.**
ii) Answers to each question must be written at one place only and in the same order as they occur in the question paper.
iii) Missing data, if any may suitably be assumed.
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- 1 Answer any four questions from the following. (4 x 4 = 16 Marks)**
- (a) What is 'Style' in Academic Writing?
 (b) How are Essays written in Academic Writing?
 (c) What is Responsibility in Ethics?
 (d) Write about Rewriting Skills in Academic Writing.
 (e) What is an Abstract?
 (f) How should we use language in Academic Writing?
 (g) What is Interpretation of Data?
- 2 (a) How do you use 'Tone' in Academic Writing? What are the types of tones? [9]
 (b) Explain the feature 'Ethics' in Academic Writing. [9]
- 3 (a) Discuss the kinds of Academic writing you know. [9]
 (b) Explain the skills of Quoting and Expansion in Academic Writing. [9]
- 4 (a) Differentiate 'Summarizing' and 'Paraphrasing' in Academic Writing. [9]
 (b) What are the features of Academic Writing? [9]
- 5 (a) Write about Reviews and Proposals in Academic Writing. [9]
 (b) What do you know about Literature Survey and Documenting Sources? [9]
- 6 (a) How do we select a Topic and formulate Hypothesis in Academic Writing? [9]
 (b) Explain the importance of analysis and interpretation of data in the research process. [9]
- 7 (a) How do you write Findings and Conclusions in a Research Document? [9]
 (b) Elucidate Research Process in Academic Writing. [9]

FACULTY OF ENGINEERING**M.E.(Civil-SE, EEE-PES, ECE-DS, ES&VLSID, Mech-CAD/CAM) / M.Tech (CSE)****I Semester (AICTE) (Main) Examination, July 2021****Subject: Disaster Management****Time: 2 Hours****Max. Marks: 70**

- Note: i) First Question is compulsory and answer any Three questions from the remaining six questions.**
- ii) Answers to each question must be written at one place only and in the same order as they occur in the question paper.**
- iii) Missing data, if any may suitably be assumed.**
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1. Answer any four questions from the following. (4 x 4 = 16 Marks)

- a) What is IDNDR stands for? (9)
 - b) What is NDMA stand for? (9)
 - c) Write a note on types of man-made disaster. (9)
 - d) What is disaster mitigation? (9)
 - e) Define risk and vulnerability (9)
 - f) What kinds of reliefs provided during a disaster? (9)
 - g) What is an epidemic? How it differs from pandemic? (9)
2. a) What are the types and causes of droughts? (9)
 - b) How Vardah cyclone affected Chennai city? (9)
3. a) Classify natural hazards with examples. (9)
 - b) Discuss about the Chernobyl nuclear disaster. (9)
4. a) What kind of structural measures can be taken to control floods? (9)
 - b) Discuss the monitoring and prediction of earthquakes. (9)
5. a) Write briefly about the applications of Remote Sensing in Disaster Management. (9)
 - b) Explain Disaster Management Cycle with a diagram. (9)
6. a) What is the aim of Disaster Risk Reduction? How warnings and forecasting help in disaster risk reduction? (9)
 - b) Write about the paradigm shift in Disaster Management in India. (9)
7. a) How hazards impact the environment? (9)
 - b) Write about the agencies, which are involved in disaster management in India. (9)

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FACULTY OF ENGINEERING**M.E.(Civil-(SE,TE), EEE-PE, ECE-DS, ES, Mech)/M.Tech.(CSE) I Semester (AICTE) (Main)****Examination, July 2021****Subject: English for Research Paper Writing****Time: 2 Hours****Max. Marks: 70**

- Note: i) First Question is compulsory and answer any Three questions from the remaining six questions.**
- ii) Answers to each question must be written at one place only and in the same order as they occur in the question paper.**
- iii) Missing data, if any may suitably be assumed.**
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- 1 Answer any four questions from the following. (4 x 4 = 16 Marks)**
- (a) What is the meaning and definition of a research paper?
- (b) Write about Font size/ Font types.
- (c) What is research methodology?
- (d) Is it important to proof read your document?
- (e) What is 'Word Order' in the process of writing a research paper?
- (f) Mention any four reputed journals.
- (g) What is paraphrasing?
- 2 (a) What is Scope and Limitation in a research paper? [9]
- (b) Explain about the benefits and outcome of a research paper. [9]
- 3 (a) What is Style and Indentation in research paper? [9]
- (b) Elucidate Indexing and Citation of various sources. [9]
- 4 (a) What are the quantitative and qualitative methods of research methodology? [9]
- (b) How do you review and criticize literature? [9]
- 5 (a) What is the importance of Revising & Editing in the process of writing a research paper? [9]
- (b) Define Thesis Statement. How do you write it? [9]
- 6 (a) Discuss the strategies for developing persuasive presentations. [9]
- (b) What do you know about free publications and paid journal publications? [9]
- 7 (a) What is Plagiarism? How can it be avoided? [9]
- (b) What are the benefits of publishing a research paper in reputed/ Scopus Index journals? [9]

FACULTY OF ENGINEERING**M.E (Civil-CM) I-Semester (AICTE) (Main) Examination, July 2021****Subject: Disaster Mitigation and Management****Time: 2 Hours****Max. Marks: 70****Note: i) First Question is compulsory and answer any Three questions from the remaining six questions.****ii) Answers to each question must be written at one place only and in the same order as they occur in the question paper.****iii) Missing data, if any may suitably be assumed.****1. Answer any Four Questions from the following****(4 X 4 = 16Marks)**

- a) Discuss various types of natural hazards.
- b) Explain the different diagnostic techniques for damage assessment.
- c) Make a note on measures taken during retrofitting of common types of repairs.
- d) Differentiate between Hazard and Vulnerability.
- e) Briefly explain various types of floods.
- f) Explain the benefits of flood mitigation.
- g) What are the causes of climate change?
2. a) Make an elaborate discussion on the damages caused by earthquakes and damage patterns caused by it. 9
- b) Discuss the different types of impacts of disaster on society 9
3. a) Explain the different types distress of concrete using suitable diagrams 9
- b) Describe different stages of concrete repair using neat figures. Further, explain the procedure followed in the rehabilitation of distressed concrete structure. 9
4. a) Make a detailed note on different types of repair techniques followed in the damaged structures 9
- b) Explain the repair of structures caused due to leakage and earthquake 9
5. a) Critically evaluate the measurable features of flood. 9
- b) Discuss the flood forecasting from meteorological and snow data field for any river system and also explain the river response with full mathematical formulation. 9
6. a) Critically examine the flood control measures adopted in India. What are structural and non-structural measures of flood control? 9
- b) Explain critical characteristics of flood hazard and its impact on infrastructure. 9
7. a) Discuss and evaluate flood proofing and land management practices in the mitigation of floods. 9
- b) Discuss different drought measurement techniques adopted by the scientific community 9

FACULTY OF ENGINEERING**M.E (ECE-ES) I-Semester (Main) (AICTE) Examination, July 2021****Subject: Value Education****Time: 2 Hours****Max. Marks: 70**

- Note: i) First Question is compulsory and answer any Three questions from the remaining six questions.**
ii) Answers to each question must be written at one place only and in the same order as they occur in the question paper.
iii) Missing data, if any may suitably be assumed.

- 1. Answer any Four Questions from the following (4 X 4 = 16Marks)**
- Write short notes on Social Values.
 - Define Culture and tradition.
 - What is the importance of Truthfulness?
 - How to avoid fault finding in others?
 - What is the need of cultivation of values as forgiveness?
 - Write short notes on Positive thinking.
 - Discuss self management and good health.
2. What is the need and importance of cultivation of values as
a) Sense of Duty b) Confidence 18
3. Discuss about
a) Moral and non moral behaviour
b) Standards and principles based on religion 18
4. Explain about Universal brotherhood and religious tolerance 18
5. Explain Internal and External Cleanliness 18
6. a) Explain concept of Dharma 9
b) Explain cause and effect based karma theory 9
7. a) Write short notes on Rajasic and Tamasic Gunas 9
b) Write short notes on truthfulness 9
