MAR ATHANASIUS COLLEGE OF ENGINEERING, KOTHAMANGALAM

(GOVERNMENT AIDED AUTONOMOUS ENGINEERING COLLEGE)

DEPARTMENT OF CIVIL ENGINEERING

SECOND SESSIONAL EXAMINATION, SEPTEMBER 2026

SEVENTH SEMESTER(OPEN ELECTIVE)

ENVIRONMENTAL IMPACT ASSESSMENT(CET 415)

Time – 1 Hour 30 Minutes **Max: 40 Marks**

Part A (4X3=12 marks)

1. Enumerate matrix method of impact assessment?
2. List the benefits of environmental audit.
3. How to predict the impacts of a Chemical Industry on the water quality of a nearby river.
4. Discuss about Environmental management plan.

Part B (28 marks)

5. (a) Describe the network method of EIA assessment with reference to environmental impacts of pesticide spraying on an agricultural land. (6 Marks)

   (b) Predict the various impacts of a proposed eco-tourism project on environment and socio- economic status. (8 Marks)

6. (a) Describe the planning and implementation steps of ISO 14001 standards. (6 marks)

   (b) Enumerate the different types of Environmental audit and mention any two purposes of each. (8 marks)

VISION

To develop a department proficient in all aspects of civil engineering blending theory and practice

MISSION

1. To impart the right combination of civil engineering fundamentals and use of modern tools to the students
2. To encourage learning with due emphasis given to professional ethics and traditional norms.
3. To enhance the knowledge base of students in liaison with practice and research
4. To encourage life-long learning

Question No.	1	2	3	4	5(a)	5(b)	6(a)	6(b)	**Total Marks**
CO Mapping	3	4	3	4	3	3	4	4	
Bloom Taxonomy Level	II	I	III	III	III	III	III	II	
Max. Marks	3	3	3	3	6	8	8	6	40

	Prepared by	**Scrutinized by**	**Approved by**
Name	Prof . Roniya Joseph	Dr. Devika Venu	Dr. Elson John
Signature			