Reg No.:_____ Name:_____

APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Fifth Trimester MBA Degree Regular and Supplementary Examination April 2021

Course Code: OM-T5-11

Course Name: GREEN LOGISTICS AND SUPPLY CHAIN MANAGEMENT

Max. Marks: 60 Duration: 3 Hours

PART A

Answer all questions. Each question carries 2 marks

Write short notes on

1 Extended Producer Responsibility

2 Closed Loop Supply Chain

3 Global Foot Print Network

4 Kyoto Protocol

5 WEEE

(5x2 marks = 10 marks)

PART B

Answer any 3 questions. Each question carries 10 marks

6	a)	Explain the role of Value Engineering in cost reduction.	(5)
	b)	What specific tools are used in Value Engineering to influence or help a project move forward?	(5)
7	a)	Examine the benefits of conducting Logistics Audit?	(5)
	b)	Explain the key steps to conduct Logistics Audit?	(5)
8	a)	Explain the feasible methods to achieve Supply chain Sustainability?	(5)
	b)	What are the latest trends in Sustainable Supply Chain?	(5)
9	a)	Expose the massive importance of Green Logistics and its major drivers.	(5)
	b)	Why Reverse Logistics is getting massive importance among organizations.	(5)
10	a)	Explain the importance of Environmental Impact Assessment (EIA).	(5)
	b)	Elaborate the different stages in EIA.	(5)

(3x10 marks = 30 marks)

PART C

Compulsory question, the question carries 20 marks

11 As the construction industry is growing rapidly, managing a project becomes more vital. The three major parameters to be optimised for a project are content, time and cost to reach a high level of quality. These parameters are also essential for a construction project to satisfy customers on time. Today, it is also critical to protect the environment either at a manufacturing or at a construction site. Environmental problems and the growth of construction industry cause a new topic to manage construction waste with the help of green supply chain management (GSCM). GSCM reduces energy usage and waste, so it prevents any problem that will occur in human health and environment. To decrease waste with the help of GSCM in construction site, waste management regulations must be set to force the producers and consumers for its application. The European Union Council published a waste management directive in 2008 that gives some goal numbers to manage construction waste to minimise the environmental effect. The goal is to reach a reduction of 70% of construction and demolition waste (CDW) that will be reused, recycled or recovered in 2020.

(1) In your opinion what are the environmental considerations and compliances required to deal with GSCM. (6marks)

(2) Discuss the role of Green Building Materials and Products in Waste Management. (7 marks)

(3) Explain the Design considerations relating to construction waste reduction. (7 marks)

(20 marks)

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