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Internal Assessment Test 1 – October 2024

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Sub: Environmental Protection and Management						Sub Code:	21CV753	Branch:	All l	Branc	hes
Date:	.10.2024	Duration:	90 min's	Max Marks:	50	Sem / Sec:	VII		OBE		
SCHEME				Œ	<u>.</u>		MA	RKS	СО	RBT	

		ı		
1	Explain the national policies for the abatement of pollution.			_
		5 x [02]	CO1	L
	explain any five national policies for the abatement of pollution			
2	Describe the drivers and barriers of the business charter for sustainable production and			
	consumption.			
		[05]		
	drivers of the business charter (mention and explain any 5)	[05]	CO1	L
		[05]		
	barriers of the business charter (mention and explain any 5)	լսոլ		
3	Elucidate the unique characteristics of environmental problems with example.			
		5 x [02]	CO1	L
	Mention any 5 characteristics of environmental problems with example			
4	With a neat sketch of pollution prevention hierarchy, explain pollution prevention			
	techniques?			
			CO2	L
	Sketch	[03]	CO2	L
	Explaination	[07]		
5	Explain the environmental quality objectives.			
		5 x [02]	CO2	L
	Mention and explain any 5 environmental quality objectives			
6	Discuss about the different systems approach to corporate environment management.			
	Sketch	[06]	CO1	L
		l .		1

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Sub:	Environment	al Protection	and Manag	ement	Sub Code:	21CV753	Branch:	All I	Branc	hes
Date:	.10.2024	Duration:	90 min's	Max Marks: 5	0 Sem / Sec:	VII			Ol	BE
			SO	LUTIO	N		MA	RKS	СО	RBT
	Pollution abar and/or its improse muffler of wastes. In Control of Developme of Charter on Control of Environmer Capital Region National Environmer Capital Region National Environmer Capital Recognition 1996 of Noise Polluto Auto Fuel For Industrial Por Capacity Border Assistance of Common Environmer of Environmer of Environmer of Environmer of Environmer of Capacity Por Environmer of Enviro	tement references the tement references on the sacts on the sacts on the sacts on the sacts on the variety of Environment of E	rs to technomer environmental commental Seponsibila (Prevention and commental Lady Air/ complaints Industrial commental Plant of Pollatement the case Mapping motion of Commental Case Mapping motion of Case Map	ent. The most us waste—water to atives taken for standards lity for Environment Control) Authority (NE. Payments of Coaboratory under Pollution Manalution at rough Preventive control).	or measure takes sed technologic reatment facility pollution abar ment Protection hority for the MAA) compensation or Environment resulting gement Projective Strategies	Authority for the (Protection) Act,		10]	CO1	L1
	consumption. In general, the external. The local communication leadership continues and are often necestandards is a are often necestheir environment, stringent, stringent, stringent, stringent if preserven if pre	e drivers for main externity. The main externity. The main externity is consistent of the main externity is the main externity	r EMS ado nal drivers ain internation environmency. In dinternation they percently defined they percently end internations to confident without they percently enforced regulations to confident they are now they are ternational tions.	are regulations, are regulations, are regulations, and drivers included the regulational government implementing banies to improve the enforced regulative as weakening one are particular in these countries, such that intal practices. One being monito	tegorized as eigenverte, considered as eigenverte, considered as eigenverte, considered as eigenverte, considered as eigenverte, company constructions, top many company constructions are often vexisting legislations. Companies many companies many companies many companies are often vexisting legislations. Continues and considered adheren	ractices and reduce magers will not enact empetitiveness in emerging and weak or absent, and ation has very little y only comply with ion is also important to regulations in	S	10]	CO1	L2

adopt a certified EMS. Some corporate customers require their suppliers to provide them with written certification of their compliance with all environmental regulations. Some clients require their vendors to improve their environmental performance and adopt proactive EM practices. Chinese manufacturers improve environmental performance if supply chain customers demand it. Manufacturing companies in India that fail to practice "green manufacturing" may lose core customers. The demand for green products has increased over the years, particularly in Western Europe. Several studies found that market demand was an important driver for improving EM practices in emerging markets as well. Small, private, entrepreneurial companies in Russia improved their manufacturing process and their finished products to profit from increased demand for green products. It is important to note, however, that consumer demand for green products can vary a lot by country. In countries where overall environmental awareness is low, or where consumers cannot afford the added cost of "green" products, demand may be low.

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Competitors are another driver for EMS certification. Some organizations adopt ISO 14001 early on, to differentiate themselves from their competitors and gain an advantage. Other organizations adopt ISO 14001 later, to mimic the practices of their competitors and gain legitimacy in their institutional environment. This mimetic isomorphism is particularly important in developing countries.

The community, including non-governmental organizations, environmental groups, neighbourhood organizations, the media and labour unions may also drive organizations to adopt EMSs by mobilizing public opinion. The community pressure could change Chinese firms' environmental practices, because citizen complaints led to more government inspections, which is turn led to better company environmental performance. It was also found that community pressure was a significant driver for Chinese chemical manufacturing firms to improve their environmental performance. The government devised a color-coded rating system for companies, and the results were available to the public. The colors indicated whether the firms were exceeding government regulations, meeting them, or in violation. Public hearings were required for any project that negatively impacted the environment, and citizens were encouraged to lodge environmental complaints against companies to the government.

Improving corporate image is an important driver for ISO 14001 adoption and in several cases, this was identified as the most important driver. Certification sends a clear signal to customers and government agencies that the certified organization is committed to EM. It was found that early adopters of ISO 14001 in the USA became certified in order to improve company image and reinforce their existing environmental strategies rather than dramatically improve their environmental practices. Leadership and top management's commitment to improve environmental practices is another key driver for EMS certification. The internal desire to become more environmentally proactive was an important driver for ISO 14001 certification. Companies that were internally motivated perceived higher benefits and were more satisfied with the certification results The main driver for Greek companies to obtain ISO 14001 certification was a commitment by top and middle managers to institute environmentally-friendly policies, and this commitment contributed to fewer difficulties in implementation.

Lowering cost and risk and increasing process efficiency are two economic drivers for EMS adoption and certification. EMSs can contribute to lowering costs by identifying ways companies can reduce material use and waste, recycle materials, implement energy and other resource conservation measures and avoid fines and penalties associated with non-compliance. Capital markets may react unfavorably to negative environmental news about a company, such as violations, accidents, lawsuits, etc. and may react positively to favorable news about environmental practices. It was found that "improving internal efficiency" was the third most important driver for becoming ISO 14001 certified in Spanish companies.

	Barriers for business strategy			
	The main challenges are high costs, lack of qualified human resources, lack of internal			
	support and practical challenges.			
	High costs of certification include the time and costs associated with preparing			
	documentation and training employees, but also include the costs of internal and			
	external auditors. found that costs were the most important barrier to EMS			
	implementation in organizations. The high costs were also barrier to implementation			
	for small and medium sized enterprises in the UK, and that many of these companies			
	were uncertain about the market benefits of becoming certified.			
	Lack of qualified human resources to implement and maintain the certification can			
	be a serious challenge. Skills and knowledge development is important not only for			
	the initial implementation and adoption of an EMS, but also for its maintenance and			
	continued operation. The barriers to EMS adoption for small and medium sized			
	enterprises, are found that a lack of human resources was a more important barrier			
	for successful implementation and maintenance of the EMS than a lack of financial			
	resources. An unfavourable company culture, including inconsistent support from top			
	management, hindered successful implementation.			
	Practical, operational challenges can delay successful implementation. EMS			
	implementation and maintenance is a complex process, that can present multiple			
	practical challenges. Estonian companies struggled with practical challenges during			
	the planning phase of ISO 14001, specifically with the environmental aspect			
	assessment requirement (EAA). This assessment is the most fundamental part of the			
	ISO 14001 planning phase, as companies must identify elements of the organization's			
	activities, products and services that impact the environment. ISO 14001 gives only			
	general principles for EAA; the assessment criteria overall are ill-defined and			
	inadequate, and therefore cannot be systematically adapted. The Greek companies			
	experienced only low levels of difficulties implementing ISO 14001, in part because			
	many of them had prior experience with ISO 9001 certification. Their greatest difficulty			
	came during the planning phase in "determining environmental performance issues"			
	which included setting objectives and measurable aims			
3	Elucidate the unique characteristics of environmental problems with example.			
	Number of people and nations involved			
	Geographical distribution of the problem			
	Temporal distribution of the problem (temporary or long-term effects)			
	Degree of irreversibility of the effects			
	Degree of impact on health, standard of living, social structure and economy			
	Degree of international significance of the problem			
	Multi Sectoral links - Environmental problems reverberate across a range of sectors	[10]	CO1	L2
	through many pathways, calling for coordinated policies and concerted efforts.			
	Regional and global implications - Many environmental impacts have broad cross			
	boundary and global effects that require international frameworks and agreements to			
	deal with them.			
	Need for government intervention - Environmental problems are often a			
	consequence of market failures. Without government intervention to introduce			
	regulations and create markets where they do not exit, the private sector alone cannot			
	achieve optimal environmental outcomes			
4	With a neat sketch of pollution prevention hierarchy, explain pollution prevention techniques?	[10]	CO2	L2
5	Explain the environmental quality objectives.			
5	Explain the chyliolinichai quanty objectives.			
	Reduced Climate Impact			
	•Clean Air	[10]	CO2	L2
	•Natural Acidification Only			
	•A Non-Toxic Environment			
	•A Protective Ozone Layer			
	•			

•A Safe Radiation Environment			
•Zero Eutrophication			
•Flourishing Lakes and Streams			
•Good-Quality Groundwater			
A Balanced Marine Environment, Flourishing Coastal Areas and Archipelagos			
Thriving Wetlands			
Sustainable Forests			
A Varied Agricultural Landscape			
A Magnificent Mountain Landscape			
A Good Built Environment			
6 Discuss about the different systems approach to corporate environment management.			
Corporate enterprises are some of the important vehicles of economic development in country.	a		
There is a nexus between economic development issues and environmental manageme	ent		
issues. Therefore, sustainable economic development should be environment-friendly.	,		
The social contract argument and the quality-of-life argument under pin a company's			
duty for managing its environmental activities in a responsible way.			
Sustainable development Waste control Local community Emissions lssue community Local suecternal Social issues	[10]	CO1	L2
Energy use Employees Enormal Company impact Energy use Employees Economic Customers Economic Product life- cycle and national customers holders Product life- cycle tomers holders Product life- cycle tomers holders Advertising standards Ethical Advertising standards Suppliers/ Employees Customers between holders Advertising standards Advertising standards Suppliers/ Employee volun- teering Employee volun- teering Employee standards Suppliers/ Employee standards			