

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER-IV (NEW) EXAMINATION – WINTER 2024

Subject Code:3140407

Date:19-11-2024

Subject Name: Bioethics, biosafety and Principles of management

Time:02:30 PM TO 05:00 PM

Total Marks:70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. Simple and non-programmable scientific calculators are allowed.

		Marks
Q.1	(a) What are GHS symbols, and what is their role in laboratory safety?	03
	(b) Discuss the challenges that managers face in nonprofit organizations compared to for-profit businesses.	04
	(c) How do animal rights and ethical treatment connect to broader environmental and societal ethics? Discuss the implications of prioritizing human needs over animal welfare	07
Q.2	(a) Explain the importance of good laboratory biosafety practices and outline general practices	03
	(b) Analyze the ethical issues related to abortion, including the arguments for and against it from moral, social, and legal perspectives. How do these debates impact policy-making?	04
	(c) Describe some of the main concerns associated with GMOs and transgenic technology.	07
	OR	
	(c) Outline the biosafety guidelines in India developed by the DBT	07
Q.3	(a) What ethical issues arise from decreasing biodiversity and species extinction due to commercial activities?	03
	(b) Discuss the Cartagena Protocol on Biosafety, highlighting its key objectives and global impact	04
	(c) Discuss the impact of genome sequencing on ethical and environmental considerations	07
	OR	
Q.3	(a) What are some of the concerns regarding unintended consequences in heritable genome editing?	03
	(b) How do societal debates surrounding heritable genome editing intersect with discussions about human dignity and concerns about eugenics (racial improvement)?	04
	(c) Why Should we stop experimenting on animals for pharmaceutical research?	07
Q.4	(a) What are the four management functions, and how do they contribute to organizational performance?	03
	(b) What are some of the concerns regarding unintended consequences in heritable genome editing?	04
	(c) Compare various structural approaches to departmentalisation	07

OR

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| Q.4 | (a) By which characteristics, the authority of a manager is distinguished by which? | 03 |
| | (b) Give examples of extinction caused by humans and summarise the causes | 04 |
| | (c) Discuss framework of ethical decision making. | 07 |

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| Q.5 | (a) What is corporate social responsibility (CSR), and why is it important for organizations? | 03 |
| | (b) Discuss the need for innovative management in turbulent times, and outline a manager's challenges in the modern workplace. | 04 |
| | (c) Discuss the importance of management skills and types for successful leadership. Include an analysis of the skills needed to manage effectively in a nonprofit organization compared to a for-profit business. | 07 |

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| Q.5 | (a) What factors affect managerial ethics, and how can organizations ensure ethical behavior in their management? | 03 |
| | (b) Summarize recent trends in management science and their impact on global business practices. | 04 |
| | (c) Discuss the evolution of management thinking from the classical perspective to the humanistic perspective and highlight how these perspectives influence modern management practices. | 07 |
