PARUL UNIVERSITY PARUL INSTITUTE OF APPLIED SCIENCES MID SEMESTER INTERNAL EXAMINATION, MARCH 2020

B. Sc. Semester 6

Subject: Microbiology/Biotechnology/Biochemistry

Paper Code: 11100351

Bioethics

Date: 3/3/2020 Time: 10:30

Maximum Marks: 40

Instructions:

- 1. All questions are compulsory and options are given in first and second question only.
- 2. Numbers to the right of question indicate the marks of respective question.

Q. 1	Attempt any one question of the following. (i) Describe levels of biosafety in detail and instruments associated.					
Q. 2	 (i) Describe levels of biosarety in detail and instruments associated. (ii) Explain geographical indications with suitable examples Attempt any three questions of the following. (12) (i) What is copyright? (ii) What are GMO's. Give any three examples (iii) Write a note on traditional knowledge (iv) What is CBD? (v) List out laboratory precautions 					
Q. 3	Do as directed. Attempt all five questions. (05) (i) What is biopiracy (ii) What is biohazard (iii) What is genetic engineering (iv) Define bioethics (v) What is monopoly					
Q. 4	Write correct option in your answer sheet for following 15 multiple				(15)	
	choice questions.					
MCQ 1	Laboratory workers handling dangerous or exotic agents with a high risk of life- threatening disease practice					
	(A)	Biosafety Level 1 practices	(B)	Biosafety Level 2 prac	tices	
	(C)		(D)	Biosafety Level 4 prac		
MCQ 2	Biosafety Level 3 practices (D) Biosafety Level 4 practices Biopiracy is					
	(A) Illegal use of genetic material		(B)	Exploitation of indigenous knowledge without proper compensation		
	(C)	Illegal transfer of knowledge	(D)	Exploitation of plants	and animals	
MCQ 3	A set of standards used to regulate own or community activity in relation to biological world is					
	(A)	Biopotency	(B)	Bioethics		
	(C)	Biowar	(D)	Biopiracy		
MCQ 4	Biosafety cabinet- I is used for providing					
	(A)	Personnel protection	(B)	Environment protectio	n	
	(C)	Both a & b	(D)	Patent protection		
MCQ 5	Biod	Biodiversity is variability among living organisms from all sources including				

	(A)	Terrestrial ecosystem	(B)	Marine ecosystem				
	(C)	Freshwater ecosystem	(D)	All of the above				
MCQ 6	Biological substances that pose a threat to the health of living organisms, primarily							
	that of humans is known as							
	(A)	Biosafety	(B)	Biohazard				
	(C)	Bioethics	(D)	All the above				
MCQ 7	The C	Convention on Biodiversity (CBI	D) includ	le:				
	(A)	Conservation of biological	(B)	Sustainable use of biodiversity				
		diversity		components				
	(C)	Fair and equitable sharing benefits	(D)	All of the above				
MCQ 8	Biosafety is working safely with biological material or organisms with potential to							
	cause disease in:							
	(A)	Animals	(B)	Humans				
	(C)	Plants	(D)	All the above				
MCQ 9	What is/are the reason farmers cultivate GMO crops?							
	(A)	Increase yields	(B)	Decrease pesticide input costs				
	(C)	Save management time	(D)	All of the above				
MCQ 10	Organisms that have been genetically engineered to carry one or more foreign							
	-	s are known as						
	(A)	plasmids	(B)	ligated organisms				
	(C)	homogeneous organisms	(D)	transgenic organisms				
MCQ 11	How should a clinical microbiologist handle human specimens?							
	(A)	The sample should be kept	(B)	Attention must be given to avoid contamination				
	$\langle \mathbf{C} \rangle$	open						
	(C)	Attention must be given to remove cover	(D)	All of the above				
MCQ 12	The main purpose of a laboratory coat is to:							
		Keep your clothes from being		Keep contamination off your				
		ruined		clothing				
	(C)	Help assess the cleanliness of	(D)	Help assess the cleanliness of the				
1000 10	****	the laboratory		building				
MCQ 13	Which of the following is NOT a laboratory safety rule?							
	(A)	You should tie back your long hair	(B)	You should never add water to acid				
	(C)	You should never mix acids	(D)	All of the above				
	~ /	with bases	~ /					
MCQ 14	The destruction of all micro-organisms including spores is called:							
	(A)	sanitation	(B)	sterilization				
	(C)	antisepsis	(D)	asepesis				
MCQ 15	Which of the following practices are not allowed in the laboratory?							
	(A)	Eating and Drinking	(A)	Applying Cosmetics				
	(C)	Handling Contact Lenses	(C)	All of the above				
End of Paper—								