SEAT No.

[A-25/A-26/A-27]

Sardar Patel University

Final Theory Examination, April '2018

M.Sc. Integrated Biotechnology (EBT/IBT/MBT) Semester X PS10CIGEB4/ PS10CIGIB4/ PS10CIGMB4 – Bioethics, Biosafety and IPR Tuesday, 17th April 2018

Maximum marks: 70

	Time: 10:00 am to 1:00 pm (08)	
	(00)	
Q.I	Multiple choice questions: 1 The first International Statement on the ethics of medical research 1 The first International Statement on 1947was	
٠	The first International Statement 1947was using human subjects formulated in 1947was (b) ICMR code	
	using human subjects formation (b) ICMR code	
	(a) Nuremberg Code (d) Helsinki Declaration	
	(A Falinhard COOC	
	(c) Edinberg Code Which is the property of stem cells? c) Develop into many diverse cell	
	a) Plasticity types	
	d) All of above	
	b) Self-renewal is applicable to dangerous agents which pose a is applicable to dangerous disease but for that	
	is applicable to dangerous agents which is a possible to dangerous agents agent ag	
	moderate individual risk	
	medication is available. c) Biosafety level 3	
	\ \cdot\(\frac{1}{2}\rightarrow\cdot\(\frac{1}\rightarrow\cdot\(\frightarrow\cdot\)\equiling \tag\(\frac{1}{2}\rightarrow\cdot\(\fra	•
	b) Biosafety level 2 b) Biosafety level 2 for the import and shipment of GMO is final approval	
	4 For the import and simplification	
	authority. c) DBT	
	a) RCGM d) None of above	
	b) GEAC 5 A person is entitled to apply for patent if he is C) legal representative of the	
	5 A person is entitled to apply for patent if he is c) legal representative of the	
	a) True and first inventor person	
	b) An assignee of the true and first d) all of these	
	inventor The Patent office falls under the ministry of Revelopment c) Science and Technology	
	The Patent office falls under the ministry of a) Human Resource Development (b) Science and Technology (c) Science and Technology (d) Finance Ministry (d)	
	a) Human Resource Development d) Finance Ministry b) Commerce and Industry at Washington	
	a) 1978 d) 1985	
	b) 1972 is on the International Recognition of the Deposit of	
	a) Paris convention b) Budapest Treaty d) TRIPS	
	b) Budapest (Teat)	(14)
	O.II Answer the followings (Any 7) Answer the followings (Any 7)	•
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	La L	
	4. Write in brief about 1100	_

	5. 6 7. 8. 9.	Differentiate between tangible and intangible properties What are the basic requirements of patentability? Narrate the role of TRIPS. Define: Biopiracy and Biodiveristy.	
Q.III	(a) (b)	Write about Bioethical conflicts in biotechnology research Describe criteria and principles of Good clinical practice. OR	(06) (06)
	(b)	Discuss with examples, the need for formulating guidelines for conducting medical research on human subjects.	(06)
Q.IV	(a)	Describe role of RCGM, GEAC and OECD.	(06)
	(b)	Write a detail note on types and elements of containment.	(06)
	٠.	OR	•
	(b)	Explain in detail about biosafety levels according to risk group organisms	(06)
Q.V	(a)	Describe in detail about types of patent application.	(06)
-	(b)	What is patent infringement? Explain types of Infringement in detail. OR	(06)
	(b)	Write a note on forms of IPR.	(06)
Q.VI	(a)	Write a detail note on Convention on Biodiversity.	(06)
	(b)	Describe Traditional knowledge and prior art in detail OR	(06)
	(b)	Explain protection of plant varieties and Farmers Right Act.	(06)

