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LISTITUT	Question Paper Version :
	Compared P. F. (P. Took, Proper Francisco, Property 2024/Jon 2
Se	yenth Semester B.E./B.Tech. Degree Examination, Dec.2024/Jan.2
and the same	Bioethics and Biosafety
Fim	ne: [Max. Marks:
The second	
	INSTRUCTIONS TO THE CANDIDATES
1.	. Answer all the hundred questions, each question carries one mark.
2.	• Use only Black ball point pen for writing / darkening the circles.
3.	For each question, after selecting your answer, darken the appropriate cir
	corresponding to the same question number on the OMR sheet.
4.	Darkening two circles for the same question makes the answer invalid.
5.	. Damaging/overwriting, using whiteners on the OMR sheets are strice
	prohibited.
1.	The process of applying for a patent includes which of the following steps: a) Public consultation
	b) Filing patent with descriptions
	c) Negotiating the patent
	d) Discarding the innovation
2.	Under the TRIPS agreement, a patent must meet criteria.
	a) Profitability b) Novelty
	c) Economic d) Public opinion
3.	What is the term for protection for patents in India?
	a) 10 years b) 20 years
	c) 25 years d) 30 years
4.	Which of the following is not a requirement for patentability?
••	a) Novelty b) Inventive step
	c) Prior disclosure d) Industrial applicability
5.	
	a) Patent Act, 1970
	b) Protection of plant varieties and farmers Act, 2001
	c) Indian contract Act, 1872
	d) Converight Acts 1057

6.	Biotechnological inventions can be patented	d if they
	a) Are discovered in nature	b) Have industrial applicability
	c) Traditional knowledge	d) Lack any commercial user
7.	The Paris convention of industrial property	was signed in year
/•	a) 1883 b) 1925	c) 1945 d) 1970
8.	Which of the following type patent grant pr	rotection to GMO's?
	a) Utility patent	b) Design patent
	c) Plant patent	d) Copyright
9.	What is the primary purpose of patent law?	
	a) To present sharing of information	b) To encourage innovation
	c) To create monopolies	d) To restrict public access
10.	The state of the s	ne law in compliance with which internationa
	agreement?	A 1 Ampril 0
	a) GATT	b) TRIPS
	c) Paris convention	d) Geneva Convention
11.	What does TRIPS stand for in the context of	of IDP?
11.	a) Trade – Related Intellectual Property Sys	
	b) Trade Related Aspects of IPR	Stelli
	c) Trade Related Aspects of ITR	
	d) Transfer Rights in Intellectual Property	
12.	The General Agreements on Tariffs and Tra	ade (GATT) was signed in the year
14.	a) 1947 b) 1955	c) 1965 d) 1972
	a) 1947 0) 1933	c) 1903 d) 1972
13.	The primary objective of the patent system	is to
13.	a) Prevent competition	b) Provide exclusive rights
	c) Reduce innovation	d) Create monopolies
	c) reduce innovation	d) Create monopones
14.	convention is responsible for the pr	rotaction of intallactual proparties
14.	a) Paris	b) Kyoto
	c) Geneva	d) Montreal protocol
	c) delieva	d) Montreal protocol
15.	TRIPS agreement was introduced in the year	ar .
10.	a) 1985 b) 1994	c) 1999 d) 2005
	3) 111	
16.	The patent act in India was enacted in the y	year
	a) 1955 b) 1970	c) 1980 d) 1995
17.	Which of the following is not considered as	s intellectual property?
1/.	a) Trademark	b) Copyright
	c) Public domain	d) Patent

18.	The protection of biotechnology invention	ons under patent law focus on		
	a) Limiting researchb) Providing exclusive rights to inventor	s		
	c) Public access			
	d) Reducing cost			
19.	Which acts in India protects the rights of	f farmers regarding hiodiversity?		
17.	a) Patent act, 1970	b) Biological diversity Act, 2002		
	c) Indian Contract Act, 1872	d) Copy Right Act, 1957		
20.	The GATT agreement aimed to			
	a) Regulate International trade and reduce trade barriersb) Protect copyright			
	c) Promote monopoly			
	d) Reduce innovation			
	Di di			
21.	Biosafety measurement procedures ofter a) Randomized testing	b) Risk assessment and management		
	c) Complete elimination of BT	d) Reducing transparency		
	c) complete difficulties of B1	a) reducing transparency		
22.	Purpose of biosafety guidelines for trans	genic plants		
	a) Genetic diversity			
	b) Preventing unintended environmental consequences c) Promoting profit generation			
	d) Reducing transparency			
	7	- A2		
23.		elines for recombinant DNA technology in the		
	U.S.? a) FDA b) CDC	c) NIH d) EPA		
	a) FDA b) CDC	C) WIII U) EFA		
24.	The term "Bioterrorism" refers to	use of biological agents		
	a) Improve health	b) To cause harm/fear		
	c) Increase the use of BT	d) None of these		
25.	In which year India introduced biosafety	regulations for GMO's?		
	a) 1989 b) 1995	c) 2000 d) 2005		
•	WHAT CH CH : S	A COLUMN		
26.	Which of the following is not a key elen a) Quality control	b) Record keeping		
	c) Increasing profits	d) Facility cleanliness		
	, o, mereusing pressur	a) I defined exeminates		
27.	International regulations for food and pharmaceutical products are primarily intended to			
	a) Pur Ct	h) Cafeta and a manner marked in		
	a) Profits c) Monopolies	b) Safety and consumer protectiond) To increase production		
	c) Monopones	a) to mercase production		
28.	Which regulatory document provides sa	= · · · · · · · · · · · · · · · · · · ·		
	a) Regulation (EC) No. 1829/2003	b) Kyoto protocol		
	c) Paris convention	d) Montreal protocol		

in

29.	GLP standards were a) 1950's	forest introduced b) 1970's	in which decade? c) 1980's	d) 1990's
30.	Which body is responding? a) Ministry of Enviro			ions for transgenic plants
	b) Ministry of Agricu			
	c) Indian Council of			
	d) Central Pollution (Control Board		
31.		focus of biosafety	assessment procedure	
	a) Yield		b) Protecting hu	
	c) Limit public acces	S	d) Reducing co	St
22	or the second of the second	11		0
32.		addresses the prev	vention of biological v	
	a) Kyoto protocol			on biological weapons
	c) Paris agreement		d) Montreal pro	otocoi
33.	The convention of bi			year.
	a) 1965	b) 1972	c) 1985	d) 1990
34.	What is a major ethic	cal implications of	biological weapons?	
	a) Yield		b) Potential har	m to civilian populations
	c) Cost reduction		d) Promoting p	ublic health
			A.7	
35.	Which of the following a) UNESCO	ng organizations p	b) WHO	biosafety guidelines?
	c) IMF		d) WTO	
	C) IIVII		Ju) W10	
36.	What is a social impl	ication of hiologic	cal weepong?	
30.	a) Improved public h		car weapons:	
	b) Ethical concerns a		hiological agents	
	c) Increased global so			
	d) Reduced risk from			2.6
	a) Reduced 115K Holl.	oloteemiological	advancements	
37.	What is the role of C	and Manufacturir	ng Practices (GMP) in	hiotochnology?
31.	a) Reducing producti			duct quality and safety
	c) Decision making	Oll COSt	d) None of thes	
	c) Decision making		d) None of thes	ic .
20	C11-1	(CI D)		
38.	Good Laboratory Pra	ictices (GLP) is es	***************************************	4 11-1-1114
	a) Profits		b) Accuracy an	
	c) Public awareness		d) Parent applic	cations
20	Which - Cul Cul-	nakan Jan 1	the male of Later the	-1 his Cot 1 1
39.		ng best describes		al biosafety regulations
	a) Monopolies	DT mms desets	b) Faciliating g	
	c) Ensuring safety of	B1 products	d) None of thes	e

40.	In India regulatory body overseas biosafety a a) Ministry of Agriculture b) Genetic Engineering Applied Committee (c) National Biodiversity Authority d) Central Pollution Control Board	
41.	Ethical implications of BT products include a) Profit c) Eliminating Risk	about b) Ecological impacts d) Yield
42.	Which of the following is a concern at the so a) Monopoly c) Traditional knowledge	b) Equitable access d) Public Environment
43.	The Cartagena protocol on biosafety was add a) Convention on Biological diversity c) Paris agreement	b) Kyoto protocol d) Montreal protocol
44.	Hazard according to biosafety refers to a) Profit potential c) Cost	b) Potential items from biological agents d) Applications
45.	Exposure in biosafety refers to a) Media coverage c) Organisms/people contact to hazard	b) Patent numbers d) Profit margins
46.	Biosafety role in BT is a) Production c) Implementing measures to mitigate risks	b) Public trust d) None on these
47.	Ethical conflicts in BT arises due to a) Public awareness c) Environmental Conservations	b) Interference with natural processes d) Reducing cost
48.	How many countries signed the Cartagena p a) 50 b) 103	rotocol on biosafety in 2000? c) 137 d) 150
49.	What is the key principle of biosafety managa) Profit c) Yield	gement? b) Safety to reduce loss d) Economic crops
50.	The fear of unknown is an example ofa) Rational perception of risk c) Objective analysis	b) Subjective perception to risk d) Cost analysis
51.	Which of the following represents ethical co a) Yield c) Economic products	nflicts in BT? b) Interference with mature d) Regulation

52.	The fear of unknown in BT is mainly related to			
	a) Predictable outco	mes	b) Safety measu	res
	c) Uncertainity		d) Cost reductio	n
	*			
53.	Unique distribution	of risk and benefit	s in BT raises issues at	oout
	a) Cost		b) Accessibility	and fairness
	c) Profits		d) Monopolies	
54.	Which of the foll	owing describes	the difference between	een rational and subjective
	perception of risk?			
	a) Subjective percep			
	b) Rational percepti			
	c) Rational – Evider	nce and subjective	 personal benefits 	*
	d) None of these			
55.		ween Risk, Hazaro	d and Exposure is mana	
	a) Research		b) Implementing	
	c) Profits		d) Public access	;
56.		osafety concerns a	ddressed in biotechnol	ogy?
	a) Individual		b) Institution	
	c) National		d) All of these	
		. ************************************	1 1: 0:47	10
57.			col on biosafety adopte	
	a) 1985	b) 1992	c) 2000	d) 2005
=0		1 1		
58.	The Cartagena prote	ocol on biosafety i		
	a) Patents	1 III COMO	b) GMO's	
	c) Safe transfer and	nandling of GMO	's d) Funding	
70	The number of countries which are members of Cartagena protocol is			
59.				
	a) 50	b) 100	c) 172	d) 200
C 0	The writing was a select	f his as faty, manage	mont is	
60.	The primary goal of a) Profits	i biosafety manage	b) Research	**
	c) Projecting health	and environment	d) Monopolies	
	c) i rojecting nearth	and chynomicht	u) Monopolics	
61.	Social responsibility	vofRT		
01.	a) Positive impact of		b) Profit	
	c) Monopoly	n B1 on society	2	traditional knowledge
	c) monopoly		a) Emmanig	, traditional knowledge
62.	What role does pub	lic education play	in bioethics?	
02.	a) Awareness	no education play	b) Involvement	
	c) Information acce	SS	d) Profits	
	-,		-, - 101110	
63.	The ethical concern	regarding new for	rms of life is primarily	related to
	a) Biodiversity	w		ocial implications for GMO's
	c) Yield		d) Profit	

64.	Informed decision making in BT requires	
	a) Only corporate involvement	b) Understanding ethical implication
	c) Restriction of public knowledge	d) Profit making
65.	Human right is bioethics an related to	
	a) Profit making	b) Protecting freedom and dignity
	c) Monopoly	d) Ignoring ethics
66.	The principle of privacy in bioethics ensure a) Personal information is protected	b) Access to genetic data
	c) Secrecy	d) Profit
	c) secrecy	d) Floir
67.	Ethical concerns in technology transfer are	
	a) Equitable access	b) Reducing cost
	c) Limiting growth	d) Increasing corporate power
68.	The legal impact of BT involves:	
00.	a) Safety and compliance	b) Limiting access
	c) Monopolies	d) Ignoring social issues
	c) Monopones	d) Ignoring Social issues
69.	Which of the following impacts socioecone	omic impacts of BT?
	a) Monopolies	b) Social welfare
	c) Restricting research	d) Reducing global cooperation
70.	The ethical debate surrounding IPR about	
70.	a) Balancing innovation	b) Profits increasing
	c) Limit research	d) Expand monopoly
	-,	
71.	What is the primary focus of bioethics?	
	a) Profit	b) Moral and ethics
	c) Development	d) Marketing
72.	Which of the following principles is associ	iated with right?
/	a) Justice	b) Autonomy
	c) Beneficence	d) Privacy
		.,
73.	Beneficence in bioethics refers to:	
	a) Doing no harm	b) Promoting well being of others
	c) Profit	d) Patents
7.4	The animain land in him this which makes	
74.	The principle of justice in bioethics relates	Y Y
	a) Fair distribution	b) Autonomy
	c) Profits	d) Limiting access to technology
75.	Which of the following describes equity in	bioethics?
	a) Equality access	b) Profit distribution
	c) Business	d) Public involvement

76.	Morality differs from lea (a) Based on cultural van (b) Established by laws (c) Business practices (d) Profit		ty is:
77.	The expanding scope of a) Genetic engineering b) Only biomedical rescoperation (a) Tax d) Marketing strategy	and technology trans	
78.	is the key diffe a) Bioethics in life sour b) No differences c) Both (a) and (b) d) None of these		nics and business ethics ate products
79.	The ethical dimensions a) Genetic resource and b) Profits c) Monopolies d) Ignoring public		es
80.	Technology transfer in a) Funds b) Technology between c) Patents d) Public access		transfer
81.	What is the major cons a) Equal access c) Innovation	sequence of developm	nent divide in BT? b) Technology access d) Regulation
82.	Which of the following a) Single company hole b) Two companies c) Several companies d) None of these		
83.	Public acceptance of B a) Safety and ethics c) Lack of Knowledge	T influenced by	b) Economic d) Funding
84.	How does BT helps to a) Population c) Crop yield	reduce hunger in Inc	lia? b) Healthcare d) Exports

85.	challenges effects BT industry in Inc	dia
	a) Regulation	b) Labour
	c) Resource	d) Public
	,	
86.	Traditional knowledge and BT can integrate	into
	a) Innovative products	
	b) High cost	
	c) Make traditional practice obsolete	
	d) Limit research to traditional methods	
		A #
87.	Benefit sharing is essential in BT for	
	a) Fair compensation	b) Monopolies
	c) Limit access	d) Public funding
00	Which controls about his DT	
88.	Which country is advanced in BT	b) India
	a) US	d) Bangladesh
	c) Ethiopia	d) Bangiadesii
89.	BT contributes to environmental sustainabil	ity by
071	a) Chemicals	b) Eco friendly nature
	c) Monoculture	d) Deforestation
	A .	
90.	Public v/s private funding revolve around	
	a) Patent rights	b) Ethical values
	c) Profits	d) Ideology
0.4	TYTE CONTRACTOR OF THE CONTRAC	1
91.	What is the primary focus of the relationship	
	a) Economic growth	b) Environment growth
	c) Social development	d) Artistic progress
92.	Which of the following is a significant	t challenge in accessing biotechnology in
~	developing countries?	
	a) Lack of labours	b) High cost
	c) Lack of interest	d) Regulation
93.	What does "ownership" in biotechnology?	
	a) Patent and IP rights	b) Land
	c) Government	d) Publication
0.4	Which of the fellowing is an avantal of tra	ditional Impayladas?
94.	Which of the following is an example of tra	b) Ayurveda
	a) Genetics	d) Nuclear power.
	c) Internet	a) Nuclear power.
95.	Biodiversity is important because it provide	S
,	a) Wide range of generic resource	b) Growth
	c) Safety	d) None of these

96.	a) Distribution of patents	
	b) Genetic resources sharing	
	c) Sales of BT products	
	d) Supports urban development.	
97.	Which of the following is essential for sustainability in BT?	
	a) Profit b) Ecological in	mpact
	c) Workforce d) Regulations	
98.	What is difference between public and private funding in BT a) There is no difference b) Public funds-government and private funds – companies	7?
99.	Does BT play role in international relationship?	8.
	a) Yes b) No	* 3
100.	How does globalization influence BT?	
	a) International trade b) By limiting	
	c) By conflicts d) By reducing	funding

Ver – B – 10 of 10