## 1205E224

Candidate's Seat No	*
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## MSc Sem.-3 Examination

Time

		503		
 2-00 Ho	urs]	CB (Cancer Drug Disc & its Appl in Cancer Res)  May 2022	Agr. The s	
Instruct	tions:	[17	Iax. Marks	: 5(
Aii (	luestic	ons in Section I carry equal marks -		
		ny THREE questions in Section I		
		X in Section II is COMPULSORY		
Illus	trate y	our answers with neat and labeled diagram wherever necessary		
		Section I		
Q-I	Α	Describe protein prediction methods.		7
	В	Explain High throughput Screening.		7
				•
O 11	a	186 24		
Q-II	A	Write a note on bioinformatics and its application.		7
	В	Define rational drug discovery and explain structure based dr	ug	7
		discovery.		
Q-11	A	Deceribe and Abuse and the second of		
### [ ]	See See	Describe any three sequence formats.		7

Q-II	АВ	Write a note on bioinformatics and its application.  Define rational drug discovery and explain structure based drug discovery.	7 7
Q-	A B	Describe any three sequence formats. Explain characteristics of drug and describe Lipinski rules of five.	7 7
Q-IV	A	Explain Ramachandran Plot.  Describe Molecular fingerprinting and Pharmacophore modeling.	7 7
Q-V	В	Describe the role of high throughput techniques in drug target identification with reference to microarray Define drug metabolism and its phases. Explain conjugation reactions in detail.	
Q-VI	A	What is the importance of animal models in drug discovery? Describe various types of animal models in detail.  Describe targeted therapy and its types with examples.	7

State the principles of guidelines used to protect rights, safety and Q-VII wellbeing of trial subjects. What is the use of high-throughput gene expression technology? 7 В Describe gene expression analysis using RNA sequencing technology. What is clinical trial? Explain different phases, types and plans of 7 Q-VIII A

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		clinical trials.				
	В	Describe various application	s of	single nucleotide polymorphisms in		
		pharmacogenomics.		g		
		-	S	Section II		
Q-IX	_	Multiple Choice Questions				
	A	Sequin is tool.				
	а	Sequence submission				
	С	Sequence accuracy check	d	Sequence prediction		
	В	is a validation method for phylogenetic trees.				
	а	Ab-initio		Jackknife		
	С	Parsimony		Homology modelling		
	С	is not a protein prediction method.				
	а	UPGMA		Threading		
	C	Homology modelling		Ab-initio Caracteristics Ab-initio		
D Enteral drug administration is performed via			rformed via			
	а	Injection		Topical		
	С	Oral		Respiratory		
	E	Preclinical phase, just be	fore	phase I of clinical trials involves		
	a	Testing on healthy subjects	h	In-vivo and in-vitro studios		
	С	Computer screening		Bioinformatics study		
		,	C.	Diamornia de Stady		
	F	For conducting clinical tria mandatory on websi	l in te.	India, registration of clinical trial is		
	а	www.icmr.nic.in	b	www.ctri.in		
	С	www.iec.in	d	www.NACSCRT.in		
	G	In some clinical trial studies, to assess dosing require specifically designed to study	mei	ase is specifically designed is cacy		
	а	IIA, IIB	b	0,1		
	С	1, 111	d	0,1V		
	Н	polymorphic allereactions to abacavir drug.	ele	is associated with hypersensitivity		
	а	HLA-B*5701	b	HLA-A* 3101		
	C	HLA-B*1502		HLA-A*1502		

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