Q.P.Code: 51277

07

07

08

08

(2 ½ Hours)

[Total marks: 75]

N.B.: (1) All questions are	compu	lsory
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Describe the following

BLAST

Bibliographic databases

Multiple sequence alignment

Different types of protein chips

a)

a)

b)

b)

Q.1

- (2) Figures to the right indicate full marks
- (3) Draw neat and labelled diagrams wherever necessary

a)	Origin of oceans and continents	07
	OR SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	55.50
a)	Patterns of animal distribution – isolation and bipolarity	07
b)	Palearctic realm	08
	OR	4500
b)	Means of dispersal – accidental transportation by human agencies	08
Q.2	Answer the following	\$7
a)	Site of exposure and root of exposure	07
u)	OR OR	07
a)	Animal models used in regulatory toxicology studies	07
b)	Concept of extrapolation of dose	08
D)	OR	00
b)	Snake venom and scorpion venom	08
Q.3	Explain the following	
•		
a)	Chi – square test and its significance	07
.89	OR	
a)	Normal distribution – probability	07
b)	Simple linear regression	08
	OR	
b)	Standard variation (S.D)	08
Q.4	Describe the following	

OR

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Q.5	Write short notes on:	
a)	Barriers of animal distribution – vegetative OR	04
a)	Nearctic realm	04
b)	Ethical issues in animal studies	04
~)	OR STATES	
b)	Local toxicity	04
c)	Z- transformation	04
,	OR SEE SEE SEE SEE SEE SEE SEE SEE SEE SE	5 60 F C
c)	Alternate hypothesis	04
d)	Pharmacogenomics – target identification	03
	OR	A 550
d)	PROSITE	03
	*****) ^Y

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