



RF-3745-46

M. Sc. (Bio-Informatics) (Sem. - IV) Examination
April / May - 2010

BI-401 : Pharmacogenomics & Pharmacogenetics

Time : 3 Hours]

[Total Marks : 70

RF-3745

Instructions :

(1)

नीचे दशांशवेक निशानीवाणी विगतो उत्तरवही पर अवश्य लिखनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
☛ M. SC. (BIO-INFORMATICS) (SEM. - 4)	<input type="text"/>
Name of the Subject :	<input type="text"/>
☛ BI-401 : PHARMACOGENOMICS & PHARMACOGENETICS	<input type="text"/>
☛ Subject Code No. : <input type="text" value="3"/> <input type="text" value="7"/> <input type="text" value="4"/> <input type="text" value="5"/>	<input type="text"/>
☛ Section No. (1, 2,.....) : <input type="text" value="1"/>	
	Student's Signature

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams wherever necessary.
(4) Both sections must be written in separate answer books.

- 1 Describe briefly (any three) 9
- (a) Define and differentiate between pharmacogenetics and pharmacogenomics.
- (b) Application of bioinformatics in pharmacogenomics.
- (c) Future perspective of pharmacogenomics.
- (d) Name major DME. Describe pharmacogenetics of one of them.
- 2 Write detail notes on (any two) 20
- (a) Give an account of stratified drug
- (b) Define antagonists. Write about pharmacogenomics of drug receptors.
- (c) Drug Transporters.
- 3 Cell surface receptors 6
- OR**
- 3 P-glycoproteins. 6

RF-3746

Instructions :

(1)

नीचे दशांशों में निशानीवाणी विगतो उत्तरवडी पर अवश्य कभवी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
<input type="text" value="M. SC. (BIO-INFORMATICS) (SEM. - 4)"/>	<input type="text" value="Student's Signature"/>
Name of the Subject :	
<input type="text" value="BI-401 : PHARMACOGENOMICS & PHARMACOGENETICS"/>	
Subject Code No. : <input type="text" value="3"/> <input type="text" value="4"/> <input type="text" value="4"/> <input type="text" value="6"/>	Section No. (1, 2,.....) : <input type="text" value="2"/>

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams wherever necessary.
(4) Both sections must be written in separate answer books.

- 4 Write briefly (any two) 11
(a) Describe molecular beacon
(b) Importance of molecular diagnostics in bioinformatics
(c) Haplotypes
- 5 Write notes on (any two) 15
(a) Pharmacopigenetics
(b) Gene expression analysis with DNA microarray
(c) Role of metabolomics in bioinformatics.
- 6 DASH 9
- OR
- 6 RFLP 9