C 26038	(F	Pages : 2)		Name
C 2003	,-	ages = =,		Reg. No
FOURTH	SEMESTER B.Sc. D	EGREE	EXAMINA'	ΓΙΟΝ. MAY 2012
		(CCSS)		•
	Biotechnol	logy – Core	e Course	
	BT 4B 01— M			
Time : Three Hou	ırs			Maximum: 30 Weightage
	Type Questions. Answer <i>all</i> qu	estions :		
-	e the following:			
1.	DNA Virus.			
2.	Coliphage.			
	Intercalating agent.			
	Discovered jumping genes.			
5.	Prion disease.			
6.	Plant virus.			
7.	High temperature tolerating e	enzyme us	ed in PCR.	
8.	Causative agent of small pox.			
B. Selec	t the appropriate correct answ	ver:		
	The terminator codons are:			
	(a) UAG, UAA, UGA.	(b)	UUG, UGA, GU	IG.
	(c) UUU GAG, GAA.	(d)	UAA, UGG, UU	A.
10.	Small pox is caused by:			
	(a) Varicella Virus.	(b)	Variola Virus.	
	(c) Paramyxo Virus.	(d)	Retrovirus.	
11.	Genes are composed of nucle	ic acids ca	lled DNA was firs	st discovered by:
	(a) James D. Watson.	(b) 1	Francis Crick.	
	(c) Rosalind Franklin.	(d) (Oswald T. Aver	y.
12.	Which of the following is true	e for interf	eron?	
	(a) Stimulates wound he	aling. (b)	Improves fertili	ty.

(c) Used in cancer treatment. (d) Used in treatment of haemophilic anemia.

 $(12 \times \% = 3 \text{ weightage})$

Turn over

II. Short Answer Type Questions. Answer a	any <i>nine</i>	questions	
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- 13. IS elements.
- 14. Ethidium bromide.
- RT-PCR.
- Viroids.
- 17. HIV.
- 18. Cryptic plasmids.
- 19. Frame shift mutation.
- 20. Excision repair.
- 21. Passive transposition.

 $(9 \times 1 = 9 \text{ weightage})$

III. Short Essay or Paragraph questions. Answer any five questions:

- 22. Specialised transduction.
- 23. Ames test.
- 24. Retrotransposons.
- 25. RNA Viruses.
- 26. Lysogeny.
- 27. Missense mutations.
- 28. UV mutagenesis.

 $(5 \times 2 = 10 \text{ weightage})$

IV. Essay Questions. Answer any two out of three:

- 29. Site-directed mutagenesis.
- 30. Replication of viruses.
- 31. Types of plasmic's.

 $(2 \times 4 = 8 \text{ weightage})$