IV. Win at the following . (Weightage !).

Reg. No. :

Name :

VI Semester B.Sc. Degree (CCSS – Supple./Improv.)
Examination, May 2017

6B10 ZLG: Genetics, Molecular Biology and Biotechnology (2009-2013 Admns.)

(Biolecular Biology, and Byotau malogy)

Time: 3 Hours

一点打造工作的

Max. Weightage: 25

14) fexplain the mechanism of

(Genetics)

- I. Answer any one of the following: (Weightage 4)
 - 1) Explain cytoplasmic inheritance with examples.
 - 2) Define mutation. Describe the molecular basis of gene mutation. Also mention the significance of mutation. (Wt: 4×1=4)
- II. Answer any two of the following: (Weightage 2) 17 feld medius a shocked rig
 - 3) Give an account on chromosomal aberrations.
 - 4) Explain the inheritance of coat colour in rabbit.
 - 5) Explain the role of Y chromosome in humans in sex determination.
 - 6) What is crossing over? Give an account on the different factors affecting crossing over. (Wt: 2×2=4)
- III. Answer any three of the following: (Weightage 1)
- 7) What is test cross?
 - 8) Explain gynandromorphism.
 - 9) What are Barr bodies?
 - 10) What are allelic and non-allelic interactions?
 - 11) Explain geniic balance theory of sex determination.

(Wt :1×3=3)

P.T.O.

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IV. Answer the following: (Weightage 1).	Stageth Hills Commen
	The second of the second
a) Skin colour in man is an example for b) is an abnormal condition in foetus due to RH b) is an abnormal condition in foetus due to RH	incompatibility.
c) Mutation theory was put forward by d) The hypothesis of inactivation of one X chromosome is	(Wt : 1)
d) The hypothesis of mactivation of the	. OLE PIEB TO
(Molecular Biology and Biotechnology)	
그렇게 그 사람이 가입하다 되었다. 그 가게 되었다. 그 그 그 그리고 그리고 그 그 그리고 그리고 그리고 그리고 그리고 그	atuoH E : emit -
V. Answer any one of the following: (Weightage 4)	7.0
13) Give an account on recombinant DNA technology.	(Wt : 4×1=4)
14) Explain the mechanism of DNA replication.	
VI. Answer any two of the following: (Weightage 2)	ego yne rewantr day it.
15) DNA is the genetic material. Comment on. The land of the same and	dukumikpid (1. 1946)
To the different mechanisms of DNA repair.	Ballim Softer LIR Little
16) Explain the different modulation of the state of the	กระหมายาก
18) Describe southern blotting.	(Wt : 2×2=4)
18) Describe southern blotting: (Weightage 1)	
	coor ne evia (8
19) What is hybridoma technology?	de Espision de la
20) What is Wobble hypothesis?	(Fxylalia,noru
21) Explain mitochondrial genome.22) What are restriction endo nucleases?	enns e tanti e e e e e
22) What are restriction endo nations 2	องอ อกเล่วชาย
23) What is gene splicing?	
	A. A. Saverany flor
25) What is reverse transcription?	43012 B (Wt :1×4=4)
26) What is DNA finger printing?	
27) Match the following: (Weightage 1)	
a) Western blot initiation codon	(3) Synal are Bar
b) HIV	e in Alna are alle
cistron	
AUG contracted contracted vector	(t:1) Explain genie