(i)	Prin	ted P	ages	: 4	Ro	oll No						
(ii)	Que	estions	5	: 9	Sub.	Code:	0 0 5 2					
				E	xam.	Code:	0 0 0 1					
	B.A./ B.Sc. (General) 1st Semester											
	1125											
					TANY	lolomy						
				Paper-B	: Cell b		·					
Tim	e Allo	wed:	Thre	ee Hours]		[Max	imum Marks: 36					
Not	e:- A	ttempt	fiveq	uestions in a	ll. Q. No.	1 is comp	ulsory and select one					
	qu	estion	from	each Unit.								
1.	(A)	Multi	Multiple Choice Questions:									
		(i)	Chro	omosome ni	umber of	ahexaplo	id is 48 then its basic					
			number is:									
			(a)	8								
			(b)	16								
			(c)	24			fg					
			(d)	32		J. E. (8)						
		(ii)	Stag	ge connecting	meiosis	I and meio	osis II is:					
			(a)	Interphase	I							
			(b)	Interphase	II							
			(c)	Interkinesis	3							
			(d)	Anaphase	I							
							Turn over					

(	b)	ATP
(	(c)	GDP
(	(d)	NAD
v) S	Subu	nits of 80 s Ribosomes are:
(	(a)	40 s
(	(b)	60 s
(	(c)	60 s and 40 s
	(d)	None of the above
v) ]	DNA	A differs from RNA in having:
	(a)	Thymine
	(b)	Adenine
	(c)	Uracil
	(d)	Guanine
vi)	Нар	loid set of chromosome is called:
	(a)	Nucleus
	(b)	Genome
	(c)	Gene
	(d)	All the above
Fill in	the	olanks:
(i)		tacentric chromosomes appear shaped in phase.
-326	62	1907, 331, 1200
	vi) ((() (() () () () () () () () () () ()	(a) (b) (c) (d) (a) (b) (c) (d) (vi) Hap (a) (b) (c) (d) Fill in the b

Energy currency of a cell is:

(a) ADP

(iii)

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	(ii)	A nucleotide consists of sugar, phosphate and a	
	(iii)	is the phenomenon of having more than two sets	of
		chromosomes or genomes.	
	(iv)	proposed one gene one enzyme hypothesis.	
	(v)	The pairing of non homologous chromosome is termed	las
	(vi)	Nucleus was discovered by in 1831. 12×1=	12
		UNIT-I	
2.	Explain:	· minutes often the miletagen	
	(a) Flui	id Mosaic Model of cell membrane	4
	(b) Typ	pes of Plastids.	2
3.	Write:	(a) General Crabi	•
		nctions of Endoplasmic reticulum or Golgi apparatus	3
	(b) Str	ucture of Mitochondrion.	3
		UNIT-II	
4.	Write no	otes on:	
	(a) Po	lytene Chromosomes	3
	(b) Ty	pes of Aneuploids.	3
5.		e chromosomal alterations? Discuss types and significations or Inversions.	ance

## UNIT-III

6.	Describe the process of DNA replication.	6				
7.	Write notes on:					
s Esin	(a) Prophase I of Meiosis	3				
	(b) Nucleosome.	3				
	UNIT-IV					
8.	Explain only diagrammatically an operon model in Prokaryotes fo					
	regulation of gene activity.	6				
	remarkaten ikona bilankan analah di kara					
9.	Write notes on any two:					
	(a) Genetic Code					
	(b) Transcription					
	(c) Wobble Hypothesis.	3,3				