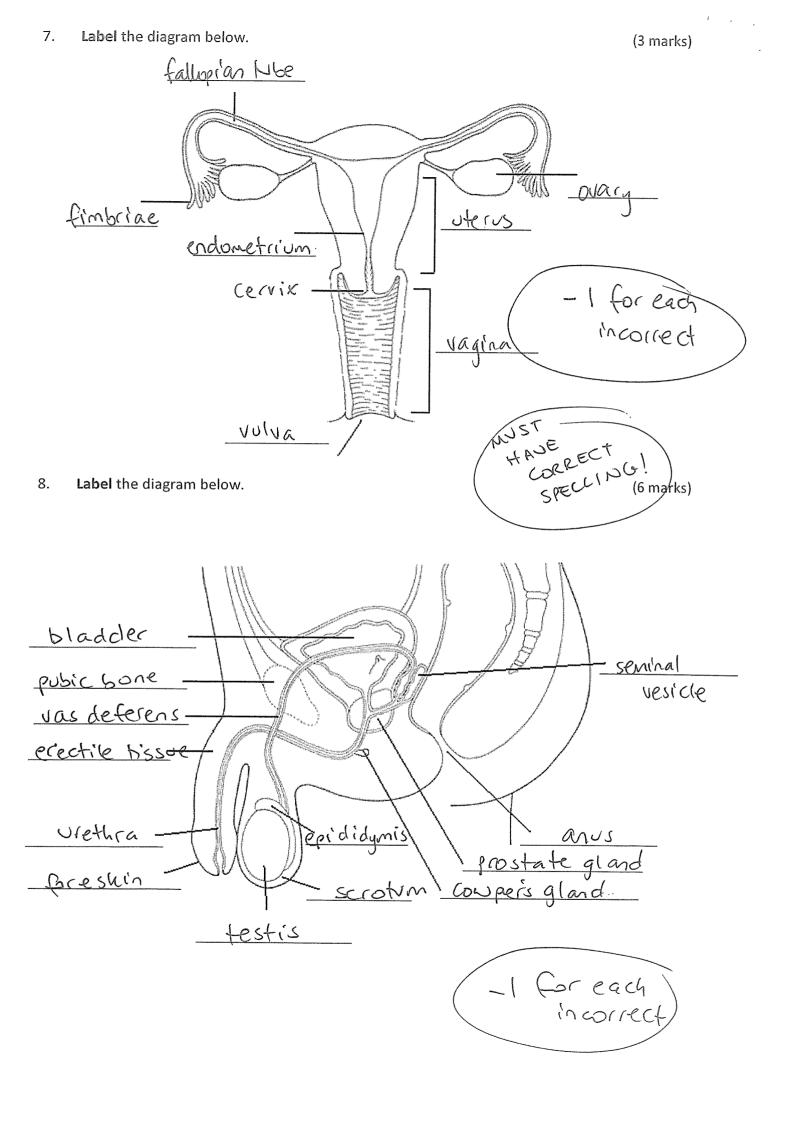
Ma	me:	Teacher:			
ING	····e	Teacher:	/73		
Pai	rt one	– multiple choice			
1	\ A / l=				
1.	1. Where does fertilisation occur?				
	a)	Uterus			
	6	Fallopian tube (oviduct)			
	c)	Ovary			
	d)	Vagina			
2.	Wh	at is the function of cilia in the fallopian tube?			
	a)	To provide nutrients for the ova.			
	b)	To produce ova.			
	c)	To lubricate the fallopian tube.			
	(1)	To guide ova along the fallopian tube.			
3.	Why	is the endometrium shed at the end of the menstrual cycle?			
	a)	The ova has implanted in the uterus.			
	b	It is no longer needed because no fertilised egg is going to be implanted.			
	c)	No egg has been released during ovulation.			
	d)	The lining becomes too full of blood and heavy.			
4.	Wha	at is the function of the testes?			
	(a)	Produces testosterone and spermatozoa.			
	③) b)	Makes sperm and oestrogen.			
	c)	Allows sperm to mature before moving into the vas deferens.			
	d)	Produces luteinising hormone and testosterone.			
5.	Whi	ch of the following is not true.			
	a)	The male gamete is spermatozoa.			
	b)	The female gonad is the ovary.			
	(1)	Gametes are diploid.			
	d)	Gametes are sex cells.			

1. List two things that occur during interphase.				(2 marks)	
- DNA oluplicates (1)					
- Cell grows & prepares	Grm	itosis	()		
 Describe what happens during cytokines 	is.			(1 mark)	
Cytoplasm of cell		21 1/1	to the	•	
3 1			,,,,,,		
3. Complete the table below.				(10 marks)	
				·	
	Mitosis		Meiosis		
The type of cells this occurs in	General	pay	gamete	es (sex, n)	
The number of daughter cells that are produced	2	(8)	4	Cousin	
The number of divisions		<u>(1)</u>	2		
Are the daughter cells genetically	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	$\frac{\circ}{\circ}$	ND		
identical to the parent cells?	Yes		100		
The number of chromosomes in each produced cell	46 (()	23	(1)	
produced cen					
A VAN A CARL AND A STATE OF THE					
4. What is the difference between menarche and menopause? (2 marks)					
Meriacore is the st	art of	me/	Smar	.t.	
deginning in tenales and menstration is					
Menarche is the start of menstration beginning in fenales and menstration is the end of menstration occurring in fenales.					
5. List two secondary characteristics that occur in males during puberty. (2 marks)					
Enlargement of penis, scrotim, prostate gland					
Growth of proic, facial & chest hair					
- Musichair becomes thicker, daker, writes /ANY					
- Deeper voice due to enla	rged lary	INK		TWO	
- Pubichair becomes thicker, daker, writes - Shoulders broader - Deeper voice due to enlarged layorx - Increased perspiration					

Phase of mitosis	Describe what is happening	Diagram
Prophase	- Nuclean disappear - Nuclear membrane breaks down - centrioles move to opposite poles - Chromosomes appear as pairs of chromatids - spindle forms ANT	
Metaphase	-chromosomes line up on spindle at equater of cell (T)	
Anaphase	- Centromeres divide (D) - Chromosomes move to opposite ends of spiralle	
telophase	-spindle disappears -nuclear membrane Gimsnucleali Gim -centrioles divide -chronosomes uncoiledisappear	



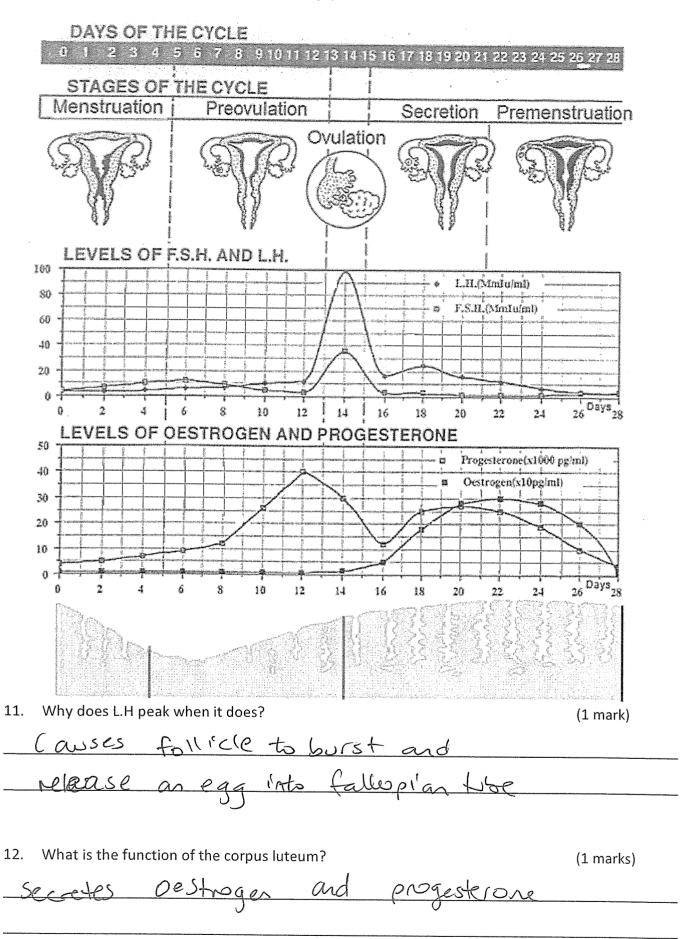
	Number of gametes produced by meiosis	Do hormones cause meiosis to begin?	When does meiosis occur?
Oogenesis		YES	Problem foets Then paises at prophase one & continues once (puberty begins (must HAVE ALL INTO)
Spermatogenesis	4	YESD	Once puberty begins

10. Fill in the table below.

(12 marks)

	144	I	
	Where is it secreted from	Target organ	Effect of hormone
:			
FSH	a: hii taa.	seminiferous	> production of (t)
	pituitary		(0)
	-1 - 1	tubules of	Sperry
	gland	testes	
	9		
		ع	> matration of () ovarian fillides
	(1)	follicles of	
		+0111010101	ovarian follide
		ovaries	
		\bigcirc	
HCG			mainterence of
	0/0/0/19	Cor pus	C:
	placenta	. (n)	corpus luteun Ddu ring
	\bigcap	luteum ()	early stages of
			pregnancy ()
LH		1.6	> Stimlates secretion
	· Litam(1)	to Semineteras	
	pi tritary (1)	tibules of testa	of testosterone (T)
	gland	2 (1)	
	5,000	E D	
	-	cell 5 0 6	> Stimlates secretion
		orails	of peshagen &
			progestors U

Use the diagram below to answer the following questions.



Part two – extended answer

1. There are a number of steps involved in the production of semen. Starting from the beginning of the process, **describe** the steps taken to produce the final ejaculated product. Include the substances added, where they are added from and what their functions are.

WRITE IN DOT POINTS PL	.EA	SE!
------------------------	-----	-----

	(10 marks)
- Sperm is produced in testes (1)	Mandaladelerro san anggang at anggang anggang ang anggang ang ang ang
- Seminal vesicle secretes fluid rich in	
Sigars which aires outrients to specin	
- Sperm is produced in testes (1) - Seminal vesicle secretes fluid rich in sugars which gives nutrients to sperm - Prostate gland secretes thin, milky alkaline fluid that helps activate sperm	and the second of the second s
alkalia fluid that helps additions on	
(1)	
- Comper's gland secretes clear nicus that acts as lubricant	
that acts as lubicions	
(1)	errita anti i colori) su di rodio, rotio specie en en consente rathernido rota di territo fruitivo
	ng) amil 1970-1984 ang terminal dia kina mangkalan ang kina bang mana kang mga kawanang
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