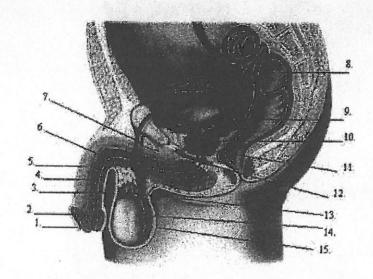
## 2013

MASTER 201

NAMET	EST No 3	DATE	
Short Answer Questions (answer in spaces provided)	SCORES:	M/C =	/20
D.C. d. d.		S/A =	/20
Refer to the diagram to anguer Questions 21 and 22	TO	TAT _	140



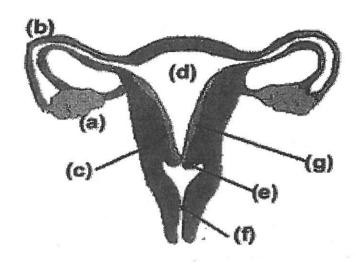
21. Identify the following structures, as indicated on the above diagram:

4	URETHRA	14	TESTIS	
	VAS DEFERENS	15 _	SCROTUM	
OR)	Ductus DEFERENS		(4 r	harks)

22. Elaborate on the necessity for the position of structure 15

0	THE :	CROTU	m is located	iù (	THIS PO	DSITI	ion to	
_	LOWER	THE	TESTES AWAY	FROM	THE E	0.0	γ.	(1)
6	THE	TESTIC	LET NŒD TO	BE K	CEPT AT	, Sr	ightly .l	ower
	THAN	BODY	TEMPCRATURE	FOR	SPERM	10	DEVELOP	NORMALLY (1)
							(C) that	

Refer to the diagram to answer Questions 23 and 24.



23. Identify the following structures, as indicated on the above diagram:

a	OVARY	e	CERVIX
b	LITERINE TUBE	g	END O METRIUM
(R)	FAUCPIAN TUBE /		(4 marks)

- 24. Elaborate on the changes (g) undergoes during the menstrual cycle.
  - e CESTROGENS (BEGINNING OF OVARIANCYCLE) STIMULATES ENDOMETRIUM
    TO PROLIFERATE STRAIGHT TUBULAR GLANDS FORM + BLOOD VESSELS INVADE
    NEW ENDOMETRIAL EPITHELIUM (1.E. 1 VASCULARITY)

CONTINUES TO GROW, GLANDS & AND ARTERIES ENLARGE +

CABORATED SPIRAL

NO PREGNANCY - HORMONES V, ENDOMETRIUM LININGE GOES

- INTENTIONALLY LEFT BLANK PROLOWGED SPASMS

  (CONTRACTIONS

  REDUCED BLOOD FLOW / TISSUES DEGENERATE

  CAPILLARIES WEAKEN / BLOOD LEAKS THROUGH THEM
- BLOOD + DETERIORATING ENDOMETRIAL TISSUES DISCHARGED



- 25. Briefly outline the process of ovulation under the following headings:
  - (a) Hormones
- (b) Development of Follicle(c) Corpus Luteum and Corpus Albicans

Hormones -
- Follicle Stanulating Hormone (FSH) - stanulates the develop-
ment of the oversion fallicles resulting in the release of postrogen
must have & Destrogens keeks peak stimulating or surge in Luternising
For each & Hormone (LH)
of the Lutenising Hormone (14) - triggers ovulation (1)
our Progesterone - secretad in large aurounts by corners hoteren
maintains the thickened uterme living in preparation for
(Can refer) ment of more fellicles. Inhibits the blevelop-
Je stages Development of Follicle (who read students) merosis in terms of more students (more students)
of Panary 1 . Follicle surrounding the egglovem grows in response to
of Secondary - > enlarges rapidly due to accumulation of folicular fleid
of Secondary - > enlarges rapidly dule to accumulation of tellicular Hold Follicle " In response to surge of LH follicle nuptures to (1)
Folicle : In response to surge of LH, follicle nuptures to (1) complete of Tertiany release or um is. This is a mature Grantian follicle meiosis;
Follide which continues to grow a around day 14 neptures bo()
Must include )
illiele + Corpus of The repture of Collicle develops into the corpus
Herem/Copais ) lutourn (the 'vellow body') which secretes know amounts
therein (copies) leteum (the yellow body), which secretes targe amounts inchors of progester one (2 smaller amounts of oes tragen). completed from the secretes targen of the progester one (2 smaller amounts of oes tragen).
· if fartilization does not excer, corpus luteum impitations
breaks down into the corpus albicans ('white body)

	-
Corpus Luteum and Corpus Albicans	_
	_
Corpus luteum - developed from the Grantie	an follicle
secretes progesterone which promotes full deve	elepment
tare the of the utermie lining (endometrium), maintain	s the
at they embryo in the first 12 weeks of pregnancy e in	
o J omeg	[MIO3
The development of more follides.	- 2
	_
corpus albicans when fertilization does not	ites into
corpus albicans when fertilization does not	Ltake
place.	
Process of the second of the s	-
	=
	-
	-
	-
	_
	7
	-
	-
	_

(10 marks)