(2008)

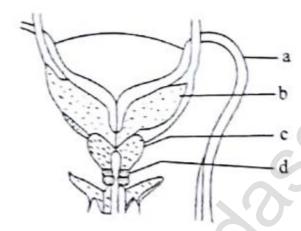
SECTION C: PREVIOUS YEARS' EXAMINATION QUESTION

1.	Layers of ovum from outside to inside are	(2007)	
	(A)Corona radiate, zona pellucid, vitelline mem	<mark>brane</mark>	
	(B)Zona pellucid, corona radiate, vitelline mem	brane	
	(C)Vetelline membrane, zona pellucid, corona r	adiate	×
	(D)Zona pellucid, vitelline membrane, corona ra	adiate	. 0
2.	Which one functions as endocrine gland after of	ovulation? (2007	7)
	(A)Stroma	(B)Vitelline membran	e
	(C)Germinal epithelium	(D)Graafian follicles	
3.	At the end of first meiotic division, male germ of	cell differentiates into	(2008)
	(A)Secondary spermatocyte		
	(B)Primary spermatocyte		
	(C)Spermatogonium		
	(D)Spermatid		
4.	Embryo at 16-celled stage is called (2008)		
	(A)Morula	(B)Blastula	
	(C)Blastomere	(D)Gastrula	
5.	Which is incorrect about menstruation?	(2008)	
	(A)At menopause, there is abrupt increase gone	adotropic hormones	
	(B)Beginning of cycle of menstruation is called	menarche	
	(C)During normal menstruation about 40 mL of	blood is lost	
	(D)Menstrual fluid can easily clot.		
6	Which extra embryonic membrane in human n	revents desiccation of a	emhrvo inside uterus

	(A)Yolk sac	(B) <mark>Amnion</mark>
	(C)Chorion	(D)Allantois.
7.	Which is the correct sequence in spermatogene	esis? (2009)
	(A)Spermatogonia → Spermatids → Secondary Sperm	spermatocytes → Primary spermatocyte →
	(B)Spermatogonia → Spermatids → Primary spe Sperms	ermatocytes → Secondary spermatocytes →
	(C)Primary spermatocytes → Secondary spermt Sperms	ocytes → Spermatids → Spermatogonia →
	(D)Spermatogonia → Primary spermatocytes →	Secondary spermatocytes → Spermatids →
	Spersm	
8.	Amount of yolk and its distribution are changed	in the egg. Which one is affected? (2009)
	(A)Pattern of cleavage	(B)Formation of zygote
	(C)Number of blastomeres	(D)Fertilization
9.	Reptile and bird eggs are (2009)	
	(A)Macrolecithal	(B)Oligolecithal
	(C)Mesolecithal	(D)Alecithal
10.	Which layer of embryo is formed first (2009)	
	(A)Ectoderm	(B)Mesoderm
	(C) <mark>Endoderm</mark>	(D)Both B and C
11.	Which is correctly matched? (2009)	
	(A)Menstruation : Breakdown of myometrium a	and ovum not fertilized
	(B)Ovulation: LH and FSH attain peak level, sha	rp fall in secretion of progesterone
	(C)Development of Corpus luteum : Secretory p	hase and increased secretion of progesterone
	(D)Poliferative Phase : Rapid regeneration of m	yometrium and maturation of Graffian follicle

- **12.** In a regularly cycling human female, which can be the root cause of menstrual failure? **(2009)**
 - (A)Fertilisation of ovum
 - (B)Maintenance of hypertrophical endometrial lining
 - (C)Maintenance of high titre of sex hormones
 - (D)Retention of well-developed corpus luteum
- **13.** Select the correct set of names for the parts A.B.C.D





- (A)A Ureter, B Seminal vesicle, C Prostate, D Bulbourethral gland
- (B)A Ureter, B Prostate, C Seminal vesical, D Bulbourethral gland
- (C)A Vas deferns, B Seminal vesicle, C Prostate, D Bulbourethral gland
- (D)A Vas deferns, B Seminal vesicle, C Bulbourethral gland, D Prostate
- 14. 32-celled state of human embryo is
 - (A)Smaller than fertilized egg
 - (B)Same size as fertilized egg
 - (C)Two times the size of fertilized egg
 - (D)Four times the fertilized egg.
- **15.** In females, hormone inhibin is secreted by (2009)
 - (A) Granulosa cells and corpus luteum

	(B)Granulosa and theca cells		
	(C)Granulosa and cumulus oophorus cells		
	(D)Granulosa cells and zona pellucid		
16.	Signals from the fully developed foetus and placenta ultimately lead to parturition which requires the release (2010)		
	(A)Estrogen from placenta		
	(B)Oxytocin from foetal pituitary		
	(C)Ovytocin from maternal pituitary		
	(D)Relaxin from placenta		
17.	In human female the blastocyst (2010)		
	(A)Gets implanted in endometrium by trophoblast cells		
	(B)Forms placenta even before implantation		
	(C)Gets implanted into uterus 3 days after ovulation		
	(D)Gets nutrition from uterine endometrial secretion only after implanation		
18.	 Secretions from which one of the following is rich in fructose, calcium and some enzyme. (2010) 		
	(A)Male accessory glands		
	(B)Pancreas		
	(C)Liver		
	(D)Salivary glands		
19.	Which is correct about morula? (2010)		
	(A)Less cytoplasm and less DNA than zygote		
	(B)Same amount of cytoplasm and DNA as zygote		
	(C)More cytoplasm and more DNA than zygote		
	(D)Same amount of cytoplasm but much more DNA than zygote		

20.	Foetal movements and appearance of hair and head occur in month of pregnancy. (2010)		
	(A)Fifth	(B)Sixth	
	(C)Third	(D)Second	
21.	Second maturation division of mammalian ovun	occurs (2010)	
	(A)Until after sperm has penetrated ovum		
	(B)Until nuclei of sperm and ovum fuse		
	(C)In Graafian follicle soon after first maturation	division	
	(D)Shortly after ovulation before entry in to fallo	ppian tube	
22.	Vasa efferentia lead from		
	(A) Rete testis to vas deferens		
	(B)Vas deferens to epididymis		
	(C)Epididymis to urethra		
	(D)Testicular labules to rete testis	O .	
23.	Which is correct about human sperm? (2010)		
	pe facilitating fertilization		
	sperm towards ovum		
	(C)Acrosome has no particular function		
	(D)Acrosome has conical tip for piercing and per	netrating egg for fertilization	
24.	Part of fallopian tube closest to ovary is (2010)		
	(A)Infundibulum	(B)Cervix	
	(C)Ampulla	(D)Isthmus	
25.	Foetal ejection reflex in human female is induce	d by (2010)	
	(A)Release of oxytocin from pituitary		
	(B)Pressure exerted by amniotic fluid		

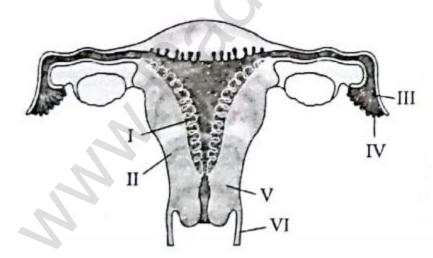
- (C)Differentiation of mammary glands
- (D)Fully developed foetus and plancenta
- **26.** Seminal plasma of humans is rich in
 - (A)Fructose and certain enzymes, poor in Ca2+
 - (B) Fructose, Ca²⁺ and certain enzymes
 - (C)Fructose, Ca²⁺ but no enzymes
 - (D)Glucose, certain enzymes but no Ca²⁺
- 27. What happens during fertilization when many sperms reach close to ovum?

(2011)

- (A) Cells of corona radiate trap all the sperms except one
- (B)Only two sperms nearest to oveum penetrate zona pellucid
- (C)Secretion of acrosome helps one sperm enter cytoplasum of ovum through zona pellucid

(2010)

- (D)All sperms except the one nearest to ovum lose their tails
- 28. Identify the correct set of three parts. (2011)

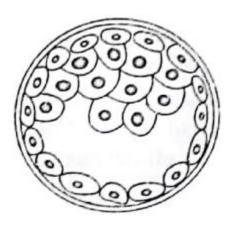


- (A)IV oviducal funnel, V Uterus, VI Cervix
- (B)I Perimetrium, II Myomertrium, III Fallopian tube
- (C)II Endometrium, III Infundibulum, IV Fimbriae

	(D)III — Infundibulum, IV — Fimbriae, V — Cerv	i <mark>x</mark>	
29.	Which is correct? (2011)		
	(A) Humans show spontaneous ovulation		
	(B)Several enzymes occur in bile juice		
	(C)Monkeys, apes and humans have oestrus cyc	le	
	(D)Urine is pale yellow and slightly alkaline.		
30.	LH surge occurs during phase of menstrual cycle	2 (2011)	
	(A)Menstrual phase		
	(B)Beginning of proliferative phase		
	(C)Just before end of proliferation phase	10	
	(D)At the middle of the cycle	20	
31.	Which is false about viability of mammalian spe	rm? (2012)	
	(A)Sperm is viable for only 24 hours		
	(B)Sperm viability is determined by its motility		
	(C)Sperm must be concentrated in thick suspens	sion	
	(D)It depends upon pH of medium as sperm is n	nore active in alkaline medium	
32.	Signals for parturition originate from	(2012)	
	(A)Fully developed foetus only		
	(B)Placenta only		
	(C)Oxytocin released by maternal pituitary		
	(D)Both A and B		
33.	Relaxin is produced by (2012)		
	(A) <mark>Ovary</mark>	(B)Testis	
	(C)Adrenal	(D)Pituitary gland	

(2012)

34. Identify development stage and place of occurrence.

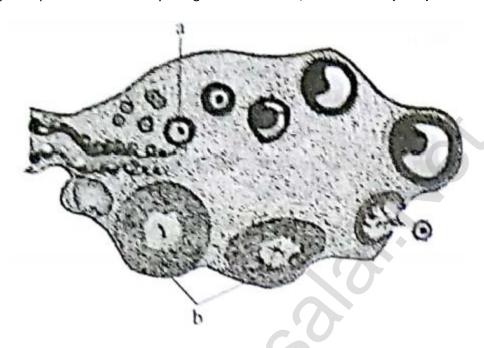


- (A)Blastocyst, uterine wall
- (B)8-celled morula, starting point of fallopian tube
- (C)Late morula, middle part of fallopian tube
- (D)Blastula, end part of fallopian tube
- 35. Secretory phase of human menstrual cycle is also called (2012)
 - (A)Luteal phase and lasts for 6 days
 - (B)Luteal phase and losts for 13 days
 - (C)Follicular phase and lasts for 13 days
 - (D)Follicular phase and lasts for 6 days
- **36.** Role of Leydig cells is (2012)
 - (A)Nourishment of sperms
 - (B)Provide motility to sperms
 - (C)Bring about maturation of sperms
 - (D)Synthesis of testosterone/Androgens
- **37.** Right ovary is rudimentary in **(2013)**

(A)Sharks (B)Birds

(C)Sphenodon (D)Calotes

38. Identify the option a or b correctly along with its function/characteristic. **(2013)**



- (A)a—tettiary follicle, forms Graatian follicle
- (B)b—corpus luteum, secretes estrogen
- (C)a—primary oocyte, prophase I of meiotic division
- (D)b—corpus luteum, secretes progesterone
- **39.** Component of seminal vesicles that provides a forensic test for rape is (2013)

(A)Acetic acid (B)Prostaglandin

(C)Fructose (D)Citric acid

40. How many sphincters are present in male urethra? (2013)

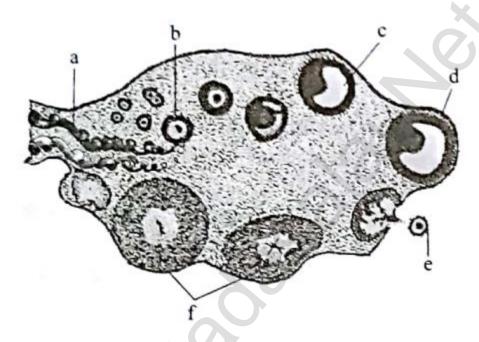
(A)4 (B)3

(C)² (D)1

41. Secondary spermatocytes undergo second meiotic division during spermatogenesis to produce **(2013)**

(A)Spermatozoa

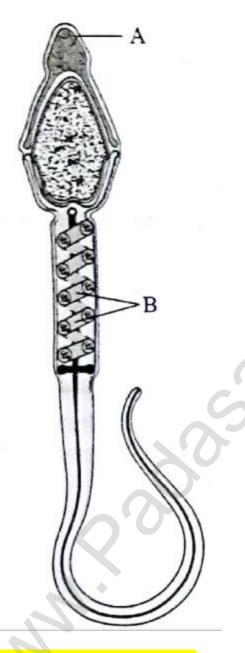
- (B)Diploid spermatids
- (C)Primary spermatocytes
- (D)Spermatogonia
- (E) Haploid spermatids
- **42.** Identify the correct labellings in the diagram. (2013)



- (A)a—blood vessel, b—primary follicle, c—tertiary follicle, d—Graafian follicle, e—ovum, f—corpus luteum
- (B)a—primary follicle, b—blood vessel, c—tertiary follicle, d—Graafin follicle, e—ovum, f—corpus luteum
- (C)a—blood vessel, b—primary follicle, c—tertiary follicle, d—ovum, e—Graafin follicles, f—corpus luteum
- (D)a—ovum, b—Graafian follicle, c—corpus luteum, d—blood vessel, e—primary follicle, f—tertiary follicle
- **43.** What is the correct sequence of sperm formation? (2013)
 - (A)Spermatogonia, Spermatozoa, Spermatocytes, Spermatids
 - (B)Spermatogonia, Spermatocytes, Spermatids, Spermatozoa
 - (C)Spermatids, Spermatocytes, Spermatogonia, Spermatozoa

(D)Spermatogonia, Spermatocytes, Spermatozoa, Spermatids			
44. Which one of the following is not the function	n of placenta?	(2013)	
(A)Facilitates removal of carbon dioxide and was	te material from em	nbryo.	
(B)Secretes oxytocin during parturition.			
(C)Facilitates supply of oxygen and nutrients to e	mbryo.		
(D)Secretes estrogen.			
45. Menstrual flow occurs due to lack of (201	3)		
(A)Oxytocin	(B)Vasopressin		
(C)Progesterone	(D)FSH		
46. The main function of mammalian corpus lute	eum is to produce	(2014)	
(A)Relaxin only	60		
(B)Estrogen only			
(C)Progesterone			
(D)Human chorionic gonadotropin			
47. The shared terminal duct of the reproductive	e and urinary system	n in the human male is (2014)	
(A)Vasa efferentia	(B) <mark>Urethra</mark>		
(C)Ureter	(D)Vas deferens	;	
48. Select the correct option describing gonadot	ropin activity in a no	ormal pregnant female. (2014)	
(A)High level of hCG stimulates the thickenin	g of endometrium		
(B)High level of FSH and LH stimulates the th	(B)High level of FSH and LH stimulates the thickening of endometrium		
(C)High level of FSH and LH facilitate implant	ation of the embryc)	
(D)High level of hCG stimulates the synthesis	of estrogen and pr	ogesterone	
49. The first sign of growing human foetus in ute	rus may be noticed	by (2014)	
(A)Listening heart sound			

	(B)Movement of foetus		
	(C)Development of limbs and dig	its	
	(D)None of the above		
50.	Testes are extra-abdominal in po (2014)	sition."Which of the following is the m	ost appropriate reason?"
	(A)Narrow pelvis in males		×
	(B)Special protection for tests		
	(C)Prostate gland and seminal ve	sicles occupy maximum space	
	(D)2.0-2.5°C lower than the norm	nal body temperature	
51.	Release of sperms from seminife	rous tubules is called (2014)	
	(A)Spermiognenesis	(B)Spermiation	
	(C)Spermatogenesis	(D)Fertilization	
	(E)Gametogenesis	10	
52.	Entire process of spermatogenes	is in man is approzimately in	(2015)
	(A)2 days	(B)16 days	
	(C)32 days	(D) <mark>64 days</mark>	
53.	The persistence of corpus luteum	during pregenancy is due to the prese	ence of hormone (2015)
	(A)LH		
	(B) Chorionic Gonadotropin		
	(C)FSH		
	(D)Testosterone		
54.		own in the figure with labels A and B. 2015)	Identify these and give



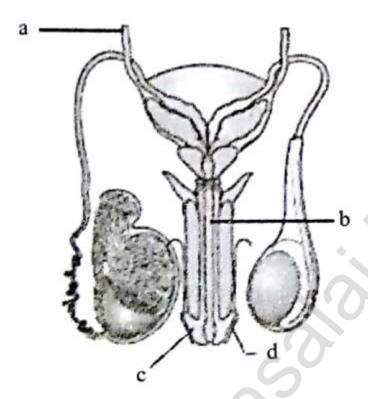
- (A)A—Acrosome—its enzymes helps in fertilisatin
- (B)B—Mitochondria—provides energy for fusion of sperm with ovum
- (C)A—Plasma membrane—envelops whole sperm
- (D)B—polysomes—synthesize enzymes to facilitate fertilization
- **55.** Shortly before menstruation the blood levels of **(2015)**
 - (A) Estrogen and progesterone decrease

	(B)Estrogen and progesterone increase			
	(C)FSH stabilize			
	(D)Only progesterone incrases			
56.	Which of the following layers in an antral follicle	e is acellular?	(2015)	
	(A)Theca interna	(B)Stroma		
	(C) <mark>Zona pellucid</mark>	(D)Granulosa		•
57.	In human females, meiosis-II is not completed u	ntil	(2015)	
	(A) Fertilization	(B)Uterine impla	antation	
	(C)Birth	(D)Puberty		
58.	Which of the following events is not associated	with ovulation in	human female?	(2015)
	(A)Full development of Graafian follicle	60		
	(B)Release of secondary oocyte	25		
	(C)LH surge	0		
	(D)Decrease in estradiol			
59.	Hysterectomy is surgical removal of	(2015)		
	(A)Vas deference	(B)Mammary gla	ands	
	(C)Uterus	(D)Prostate glan	nd	
60.	Which of these is not an important component	of initiation of pa	arturition I n humans?	(2015)
	(A)Release of oxytocin			
	(B)Release of prolactin			
	(C)Increase in estrogen and progesterone ratio			
	(D)Synthesis of prostaglandins			
61.	Capacitation refers to changes in the	(2015)		
	(A)Ovum after fertilization			

	(B)Sperm after fertilization		
	(C)Sperm before fertilization		
	(D)Ovum before fertilization		
62.	Which of the following cells during gametogene	sis is normally diploid? (2015)	
	(A)Spermatogonia	(B)Secondary polar body	
	(C)Primary polar body	(D)Spermatid	
63.	Cowper's glands are found in		
	(A)Female amphibians	(B)Male mammals	
	(C)Female mammals	(D)Male amphibians	
64.	Fertilization in humans is practically feasible onl	y if (2016)	
	(A) The ovum and sperms are trans ported simultaneously to ampullary $-$ is thmic junction of the cervix.		
	(B)The sperms are transported into cervix within 48 hours of release of ovum in uterus.		
	(C)The sperms are transported into vagina just after the release of ovum in fallopian tube.		
	(D)The ovum and sperms are transported simulation fallopian tube.	taneously to ampullary—isthmic junction of the	
65.	Select the incorrect statement. (2016)		
	(A)LH and FSH decrease gradually during the fol	licular phase.	
	(B)LH triggers secretion of androgens from the Leydigcells.		
	(C)FSH stimulates the sertoli cells which help in spermiogenesis.		
	(D)LH triggers ovulation in ovary.		
	SECTION D : CHAPT	ER-END TEST	
1.	Formation of archenteron starts in		
	(A)Morula	(B)Blastula	
	(C)Early gastrula	(D)Early neurula	

2.	In humans, the embryo is protected in	
	(A)Peritoneal cavity	(B)Amniotic cavity
	(C)Pleural cavity	(D)Allantois
3.	Which gland secretes alkaline mucus in urethra	to neutralize the acidity of urine?
	(A)Prostate gland	(B)Cowper's gland
	(C)Seminal vesicles	(D)Perpetual glands
4.	Sixty percent of semen is produced by	
	(A)Bartholin's gland	(B)Cowper's glands
	(C)Seminal vesicles	(D)Prostate gland
5.	Identical twins are also known as	10
	(A) Monozygotic twins	(B)Dizygotic twins
	(C)Fraternal twins	(D)Both B and C
6.	Eggs produced in a year by an ovary of non-pre	gnant woman is
	(A)12	(B) <mark>6</mark>
	(C)24	(D)48
7.	Which one holds corona radiate?	
	(A) Mucopolysaccharide	(B)Oligosaccharide
	(C)Lipoplysaccharide	(D) Lipoprotein
8.	Newly released mammalian egg is covered by	
	(A)Plasma membrane	(B)Vitelline membrand
	(C)Zona pellucid	(D)All the above
9.	Egg of Frog is	
	(A)Centrolecithal	(B)Macrolecithal
	(C) <mark>Telolecithal</mark>	(D)Microlecithal

10. Recognise the figure and find out the correct matching.



- (A)a—ureter, b—urethra, c—glans penis, d—foreskin
- (B)b—ureter, a—urethra, d—glans penis, c—foreskin
- (C)a—ureter, b—urethra, d—glans penis, c—foreskin
- (D)b—ureter, a—urethra, d—glans penis, c—foreskin
- 11. Which represents a condition of highly reduced motility?
 - (A)Azospermia

(B)Polyspermy

(C)Oligospermia

(D) Asthenospermia

- **12.** Unbilical cord contains
 - (A)Umbilicus
 - (B)Placenta
 - (C)Discus proligerus
 - (D) Allantoic artery and vein

13.	Pattern of cleavage in egg of Frog is	
	(A)Meroblastic	(B) Holoblastic unequal
	(C)Holoblastic equal	(D)All the above
14.	Establishment of polarity (anterior/posterior, do	orsal/ventral, medial/lateral) is called
	(A)Anamorphosis	
	(B)Organiser phenomenon	
	(C)Pattern formation	
	(D)Axis formation	
15.	Which type of blastula occurs in Frog?	
	(A)Stereoblastula	(B) Coeloblastula
	(C)Holoblastula	(D)Amphiblastula
16.	Which of the following is immortal?	
	(A)Somatic cell	(B)Germ cell
	(C)Glomerular cell	(D)Cells of pituitary
17.	The animal in which tests descend into scrotum	only during breeding season
	(A)Frog	(B)Kangroo
	(C)Shrew	(D) <mark>Bat</mark>
18.	Neubenkern is part of	
	(A)Human ovum	(B) <mark>Human sperm</mark>
	(C)Foetus	(D)Graafian follicle
19.	Which of the cellular layers disintegrates and re	generates again and again in human?
	(A)Endometrium of uterus	
	(B)Dermis of skin	
	(C)Cornea of eye	

- (D)Endothelium of blood vessels
- **20.** Structure absent in Frog's testis is

(A)Seminiferous tubules (B)Seminal vesicles

(C)Sertoli cells (D)Interstitial cells

21. Meroblastic cleavage is

(A)Total (B)Spiral

(C)Incomplete (D)Horizontal

22. Tuncia albuginea is related to

(A)Liver (B)Lung

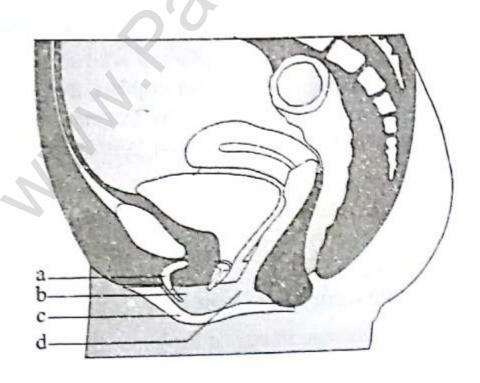
(C)Spleen (D)Testes

23. Type of placenta present in humans/Rabbit is

(A)Discoidal (B)Zonary

(C)Diffuse (D)Cotyledonary

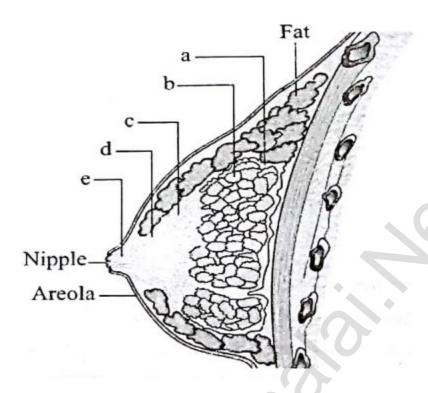
24. Recognise the figure and find out the correct matching.



	(A)a—clitoris, b—labia majora, c—labia minora,	d—vaginal oricice
	(B)a—clitoris, c—labia majora, b—labia minora,	d—vaginal oricice
	(C)b—clitotis, a—labia majora, d—labia minora,	c—vaginal oricice
	(D)c—clitoris, d—labia majora, a—labia minora,	b—vaginal oricice
25.	Number of foetal mambranes in humans is	
	(A)2	(B) <mark>3</mark>
	(C)4	(D)1
26.	Placenta if formed in humans by	
	(A)Amnion	(B)Allantois
	(C)Chorion	(D)All the above
27.	Two offspring developed in the same uterus fro	n fertilization of two different ova are
	(A)Monozygotic twins	(B)Dizygotic twins
	(C)Fraternal twins	(D)Both B and C
28.	In insect egg, cleavage is	
	(A)Equal holoblastic	
	(B)Unequal holoblastic	
	(C)Meroblastic superficial	
	(D)Meroblastic discoidal	
29.	In which mammals testes remain in abdomen?	
	(A)Human	(B) <mark>Elephant</mark>
	(C)Rabbit	(D)Ox
30.	Sertoli cells occur in	
	(A)Human testis	(B)Frog testis
	(C)Human ovary	(D)Frog ovary

31.	Noncleidoic eggs occurs in	
	(A)Birds	(B) <mark>Fish</mark>
	(C)Reptiles	(D)Platypus
32.	Development of which trait freed land vertebra	tes from water
	(A)Four appendages	
	(B)Four chambered heart	
	(C)Cleidoic egg	
	(D)Lungs	
33.	What is true deuterostomes?	
	(A)Presence if scguziciek	7.0
	(B)Non-formation of anus from blastopore	60.
	(C)Coelom lined by mesoderm on both sides	25
	(D)Absence of false coelom	0
34.	Divison of human egg is	
	(A)Equal holoblastic	(B)Unequal holoblastic
	(C)Superficial meroblastic	(D)Discoidal meroblastic
35.	Early embroyonic stage that follows blastula is	
	(A)Morula	(B)Amphiblastula
	(C)Radula	(D) <mark>Gastrula</mark>
36.	Free Martin is an example of	
	(A)Hormonal control of sex	
	(B)Sex reversal	
	(C)Transfomer gene	
	(D)Nutritional control of sex	

37.	Human placenta is		
	(A) <mark>Haemochorial</mark>	(B)Syndesmochorial	
	(C)Yolk sac	(D)Haemo-endothelial	
38.	Eggs of placental mammals are		
	(A)Homolecithal	(B) <mark>Alecithal</mark>	
	(C)Microlecithal	(D)Mesolecithal	
39.	Function of allantois is		
	(A)Respiration		
	(B)Excretion		
	(C)Nutrition and excretion	7.0	
	(D)Protection from shock		
40.	2. The most primitive type of mammalian placenta is		
	(A)Syndesmochorial	(B)Endotheliochorial	
	(C)Haemochorial	(D)Epitheliochorial	
41.	41. In apomictic/parthenogenetic development the individuals are		
	(A) Morphologically and genetically similar		
	(B)Morophologically and genetically different		
	(C)Morphologically different but genertically similar		
	(D)None of the above		
42.	Recognise the figure and find out the correct m	atching	



- (A)a—mammary alveolus, b—mammary lobe, c—mammary duct, d—ampulla, e—lactiferous duct
- (B)b—mammary alveolus, c—mammary lobe, d—mammary duct, e—ampulla, a—lactiferous duct
- (C)c—mammary alveolus, b—mammary lobe, a—mammary duct, d—ampulla, e—lactiferous duct
- (D)b—mammary alveolus, a—mammary lobe, c—mammary duct, d—ampulla, e—lactiferous duct
- **43.** Monozygotic twins are produced when
 - (A)Two ova are fertilized simultaneously
 - (B)Incomplete cleavage of zygote
 - (C) First cleavage of zygote is followed by separation into two
 - (D)There is no cleavage
- 44. Testis of Whale are
 - (A)Extra-abdominal

(C)Internal (D)None of the above 45. Germinal epithelium of ovary has (A)Cuboidal cells (C)Squamous cells (D)Stratified cells 46. Immediate membrane covering the mammalian egg is (A)Corona radiate (B)Zona pellucid (C)Vitelline membrane (D)Chorion 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (B)On one side (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk (D)Absence of cavity	(B)Half external, half internal	
45. Germinal epithelium of ovary has (A)Cuboidal cells (C)Squamous cells (D)Stratified cells 46. Immediate membrane covering the mammalian egg is (A)Corona radiate (B)Zona pellucid (C)Vitelline membrane (D)Chorion 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (B)On one side (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(C) <mark>Internal</mark>	
(A)Cuboidal cells (C)Squamous cells (D)Stratified cells 46. Immediate membrane covering the mammalian egg is (A)Corona radiate (B)Zona pellucid (C)Vitelline membrane (D)Chorion 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(D)None of the above	
(C)Squamous cells 46. Immediate membrane covering the mammalian egg is (A)Corona radiate (B)Zona pellucid (C)Vitelline membrane (D)Chorion 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	45. Germinal epithelium of ovary has	
46. Immediate membrane covering the mammalian egg is (A)Corona radiate (B)Zona pellucid (C)Vitelline membrane (D)Chorion 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (B)On one side (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(A) <mark>Cuboidal cells</mark>	(B)Columnar cells
(A)Corona radiate (C)Vitelline membrane (D)Chorion 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation (E)Capcitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(C)Squamous cells	(D)Stratified cells
(C)Vitelline membrane 47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	46. Immediate membrane covering the mammalian	n egg is
47. Breaking of acrosome membrane is (A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (B)On one side (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(A)Corona radiate	(B)Zona pellucid
(A)Agglutination (C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(C)Vitelline membrane	(D)Chorion
(C)Cavitation (D)Capcitation 48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	47. Breaking of acrosome membrane is	7,0
48. In teloecithal egg, the yolk is found (A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(A)Agglutination	(B)Activation
(A)All over the egg (C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(C)Cavitation	(D)Capcitation
(C)Both the sides (D)Centre 49. Meroblastic cleavage is division (A)Horizontal (B)Partial/parietal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	48. In teloecithal egg, the yolk is found	0
49. Meroblastic cleavage is division (A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(A)All over the egg	(B) <mark>On one side</mark>
(A)Horizontal (C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(C)Both the sides	(D)Centre
(C)Total (D)Spiral 50. Amorula can be differentiated from blastula in (A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	49. Meroblastic cleavage is division	
50. Amorula can be differentiated from blastula in(A)Presence of cavity(B)Presence of more yolk(C)Presence of yolk	(A)Horizontal	(B)Partial/parietal
(A)Presence of cavity (B)Presence of more yolk (C)Presence of yolk	(C)Total	(D)Spiral
(B)Presence of more yolk (C)Presence of yolk	50. Amorula can be differentiated from blastula in	
(C)Presence of yolk	(A)Presence of cavity	
	(B)Presence of more yolk	
(D)Absence of cavity	(C)Presence of yolk	
•	(D)Absence of cavity	