SECOND YEAR QUARTERLY EXAMINATION ANSWER KEY-SEP-2019

ZOOLOGY

		ZOOL
Qn No.	Кеу	Score
1	Menarche	1
2	Garden pea plant/Pisum sativum	1
3	Down's syndrome	1
4	Saheli	1
5	Turner's Syndrome	1
6	(a)Medical Termination of pregnancy	0.5
Ū	(b)First Trimester/12weeks	0.5
	(c)To get rid of unwanted pregnancies	1
	either due to casual unprotected	_
	intercourse or failure of the	
	contraceptive used during coitus or	
	rapes. MTPs are also essential in	
	certain cases where continuation of	
	the pregnancy could be harmful or	
	even fatal either to the mother or to	
	the foetus or both	
7	Eggs.	1
	• Females Birds are heterozygous	1
	(ZW) and produce 2 types of	
	gametes (Eggs) containing only Z	
	or W chromosomes besides	
	Autosomes.	
	• Males are homozygoys (ZZ) and	
	produce only one type of gamete	
	(Sperms) containing only Z	
	chromosomes besides	
	Autosomes.	
	• Sex of the baby is determined by	
	the type of Egg into which sperm	
	enter	
	• If the Egg containing Z	
	chromosome Receives a sperm,	
	male baby is produced	
	• If the Egg containing W	
	chromosome Receives a sperm,	
	Female baby is produced	
	• So sex of the baby is determined	
	by the Mother not the Father in	
	ZZ-ZW mechanism.	
	ZZ X ZW Female bra	
	male birel	
	gursete 2	
	or bird 200 zw	

8 A B i)Cu Releasing Multiload -375 0.5 IUDs III)Hormone LNG-20 0.5 Releasing IUDs 0.5 0.5 iii)Barrier Diaphragm 0.5 Method 0.5 0.5 iv)IVF & ET Test tube baby 0.5 9 (a) Male/Normal male 0.5 (b) Affected female 0.5 (c) Mating 0.5 (d) Mating between relatives/ 0.5 (e) Gametogenesis-Fertilisation- 0.5×4=2 Implantation-Gestation-Parturition (Any 4 Correct sequence full score) 11 (a) Fruit fly 1 (b) Reason for selecting fruit fly ii. It can grown on simple synthetic 1 medium. ii. It has short life span (2 weeks) iii. A single mating produces large number of progenies.
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Hymen can also be broken by a sudden fall or jolt, insertion of a 1
Hymen can also be broken by a sudden fall or jolt, insertion of a 1
sudden fall or jolt, insertion of a 1
participation in some sports like
horseback riding, cycling. So it is
not a reliable indicator of virginity
/ sexual experience
13a) blood group of Father =IAi0.5
Blood Group of mother=I ^B i 0.5
b) <u>Off springs</u>
'O' Blood group=ii 1
'A' Blood group=I ^A i
'B' Blood group=I ^B i
'AB' Blood group=I ^A I ^B
14Drawing1
navas cheemadan

NAVAS CHEEMADAN

		_
	b)Acrosome d)Nucleus c)Middle piece a)Mitochondria	1
15	(a) Turner's syndrome	1
	(b) Autosomal linked	1
16	(a) <u>i</u>)Periodic abstinence :	0.5
	ii)Withdrawal or coitus interruptus	0.5
	iii)Lactational amenorrhea	
	(Any two)	
	(b) <u>Adventages of natural</u>	
	<u>methods :</u>	
	No medicines or devices are	0.5
	used in natural , side effects are	
	almost nil.	
	Disdventage of natural	
	methods:	
	Chances of failure by this	0.5
	method are also high	
17	a) Figure II	1
	b) Sickle cell anameia	1
	C) Point mutation/ due to the	1
	single base substitution at the	
	sixth codon of the beta globin	
	gene from GAG to GUG.	
18	a)Incomplete Dominance	
	b) Hybridization experiment in	1
	Mirabilis jalapa (4 o' clock	
	plant), snap dragon(Dog	
	flower) is given below	
700	LOGY	

SOHSS-AREEKODE



19

NAVAS CHEEMADAN

chlamydiasis genital warts trichomoniasis hepatitis-B	
 c) STD can be prevented by Avoid sex with unknow partners/multiple partners Always use condoms durin coitus. In case of doubt, or should go to a qualified doct for early detection and g complete treatment if diagnose with disease. 	vn ng ne or et
20 a)human chorionic gonadotrop (hCG), human placental lactoge (hPL), estrogens, progestogens (Any	en 2)
b)Chorionic villi	1
c)Relaxin	1