

Zoology optional

Development Biology

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Total Marks: 50 Date: 07-Sep-2024

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Mains Answer Writing Guidance Programme				
Name	Shery Soren			
Medium	English			
Date	<u> </u>			
Subject and Test Number	Zoology			

Instructions:

- Please scan your answers and form single pdf and share within 48 hours.
- 2. Writing in the margins leads to rejection of copy.
- 3. Kindly take due appointment with coordination team to discuss the answer copy with respective mentor.
- 4. Copies will be evaluated within 7 days of submission.

Evaluated

Reviewed

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Criteria/Parameters	Exellent	Very Good	Good	Average	Poor
Language and Articulation					
Content and Conceptual Clarity					
Number of Questions At- tempted					
Structure and Presenta- tion					
Coherence and Structur- ation					

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Examiner's Feedback

1) when write ourser just my

if there is weed to

Drow Diagram

That Draw It.

Write in petri is three phases of oogenesis in females with the help of suitable diagram (15 Marks)

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bogonia mitosis Before Bioth) primary power Amorphed in diplotene stage of peopless 2 parmany occurre A+ Puberty meresi's I completed) secondary pocyte Awarsted in metaphase II Secondary pocyte Festilisation DULLM 2nd polars During orgenesis many hormonal regulation occurs in female which is started at pulsery, Hormone. Site of Function peroduction · Follicle Stime Hypothalamus elysometh of immlating hasemone pituitary avasion ature accytes into (FSH) axis of anterior mature follicles. - greaturtiq · Stimulates the sielease of estrogen · Ludeinising Hypothalamus · Contrible the ova pituitasy emulation cycle by co anterior version of supt weed greation llicle into coepus leteum and induces ovulation. · Stimulates the selease of progeste-· Esterngen · Growth of follie Evasies. · Maintain enrulation · Progesterione Quasites. · Priepasio the idesine tissue for Illasto cyst implantation by the growth of uteria Introduction Presentation/Structuration Conclusion Final Marks

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(A) 0-1						



Explain the structure of placenta with the help of suitable diagram and also mention it's type.

(15 Marks)

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vasis



· Contra-decidual placenta - No part of uterine tissue releases rather than foetal part is astocust Trophoblast Charaitic villi Umbillion con enters and plane Introduction Presentation/Structuration Conclusion Final Marks

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a) What is Homeotic gene & explain it's working mechanism

(10 Marks)

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meta thosa c



mutation this case only happens but due to alisence of this gene in that asses and this gene forms different part of organ at that asses.

Problescipedia gene - Responsible for proper.

Specification of adult mouth parts. Due to mutation the labral palp of mouth are transfers mutation the labral palp of mouth are transfers in the labral palp of muscle legement.

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margin

b) How many Homeotic gene present in chick & their function.

Number below

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(10 Marks)

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Introduction	
Body	
Presentation/Structuration	
Conclusion	
Final Marks	3



Explain the capacitation process of Mammalian sperm

(10 Marks)

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Final Marks

flllux a HCO, ATP Corpositation of CAMP Activate other printern lation Kinase Molecular spean capacitation Introduction Presentation/Structuration Conclusion

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