26) Chobse line contact answer:

a) The type of binstula tound in mammals (Blastocyst, stereo blastula)

(does cyclolow?)

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Reg. No. :	
Name :	
VI Semester B.Sc. Degree (CCSS – Reg. Examination, May 2016 CORE COURSE IN ZOOLO 6B11 ZLG: Physiology and Developr	GY is belate stated (a
Time: 3 Hours	Total Weight: 25
Instruction : Give illustrations wherever ned	cessary.
SECTION – A Physiology	
I. Answer any one of the following:	(4 weightage)
1) Give an account of the different steps involved in c	lotting.
2) Explain the mechanism of transportation of gases.	(1×4=4)
II. Answer any two of the following:	(2 weightage)
3) Explain the role of contractile proteins.	
4) Comment on the defects of modern food habits.	16) Describe transcientati
5) Explain the hormonal control of kidneys.	
6) Give an account on synaptic transmission.	(2×2=4)
III. Answer any two of the following:	(1 weightage each)
7) What are neurotransmitters?	
8) Draw a simple muscle twitch and label it.	
9) Write any two gastrointestinal hormones.	
10) Describe dissociation curves.	22) What are homeout ge
, , , , , , , , , , , , , , , , , , , ,	(2×1=2)
saturate of 38 hour chiefs emonyo.	

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IV. An	swer the following:	(1 weightage)
	Fill in the blanks :	
	a) The functional junction between two neurons	s is
	b) Juxta glomerular apparatus is a part of	
	c) Intercalated disc is a characteristic feature of	
	d) The time required for the completion of the	entire process of muscle
	contraction is	(1×1=1)
	SECTION-B	
	Developmental Biolog	gy
V. An	nswer any one of the following:	(Weightage 4)
13)	Describe the development of brain in frog.	
	What is regeneration? Explain the major event different factors influencing it.	ts in regeneration and the (1×4=4)
VI. An	nswer any three of the following:	(2 weightage each)
	Give an outline classification of eggs based on of yolk.	the amount and distribution
16)	Describe transplantation experiments.	
17)	Mention the different types of extra embryonic membranes and comment on its functions.	
18)	Explain the hormonal control of amphibian met	amorphosis.
19)	Describe the major events taking place during t	he gastrulation of frog. (3x2=6)
VII. An	nswer any two of the following:	(1 weightage each)
	What is grey crescent ?	
650-051	What is discoblastula?	
22)	What are homeotic genes?	

23) Mention the functions of placenta.

24) Describe the salient features of 33 hour chick embryo.

 $(2 \times 1 = 2)$

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VIII. Answer the following:

(1 weightage each)

25) Match the following:

a) Janus green

Egg

b) Eye

Insects

c) Superficial Cleavage

Vital stain

d) Fertilizin

Ectoderm

Sperm

26) Choose the correct answer:

- a) The type of blastula found in mammals (Blastocyst, stereo blastula, discoblastula)
- b) Acrosome is seen in (Sperm, egg, embryo)
- c) An example for pluripotent cell (Egg, stem cell, nerve cell)
- d) The total gestation period of man (280 days, 12 months, 2 days) (2x1=2)