| C 80069 | (Pages: 2) | Name |
|---------------------------------|----------------------------|--|
| nalan | re cycle in nen-primate fo | Reg. No |
| SIXTH SEMESTER B.Sc. DI | EGREE EXAMINATI | ION, MARCH/APRIL 2015 |
| (12 × N = 3 weightage) | (UG-CCSS) | |
| | Core Course | II. Answer all nine questions |
| | Zoology | : 13 What is stresia? |
| ZO 6B 15—REPRODUCTIVE BIOLO | GY, DEVELOPMENTA | L BIOLOGY AND TERATOLOGY |
| Time : Three Hours | | Maximum: 30 Weightage |
| | | |
| I. Answer all twelve questions: | | biocalb situations at a file with the cond |
| A. Multiple choice questions: | | 13 What is theory of epigenesis |
| 1 Which of the following is a m | aternal effect gene? | 20 What is GIFT? |
| (a) Elunchback. | (b) Bicoid. | 21 Meation the four important |
| (ageddglaw (c) Kruppel. | (d) Antennape | |
| 2 The egg of frog is: | | II. Answer any five questions : |
| (a) Alecithal. | (b) Isolecithal | 22 With the help of a neatly la |
| | | 23 Describe primitive stre.ladt |
| 3 The ruptured Graafian follich | e functioning as endocrine | gland : one an account of : bnalg |
| (a) Corpus haemorrhagic | um. (b) Corpus lut | 25 Differentiate between .mus |
| (c) Corpus albicans. | (d) Corona rad | liata. more the different 82 |
| 4 Mammalian embryonic stem | cells are : | |
| (a) Totipotent. | (b) Pluripotent | 28 What are homosotic genes. |
| (c) Unipotent. | (d) Non-viable | |

B. Name the following:-

5 The hormone responsible for amphibian metamorphosis.

6 The broad plate-like white yolk seen under the germdisc in hen's egg.

7 The endometrial layer that is shed during menstruation.

8 A non-invasive prenatal diagnostic technique.

C. Fill in the blanks:

9 The fusion of male and female pronuclei is called ———.

10 The reversal of differentiated cells into the embryonic totipotent condition is called —

Turn over

| - conse | - AND THE | + result an entreschance of the Color | 《新· 上 医测量器 生身 | C 8000: |
|---------|-----------|---|--------------------------|---|
| iow.com | 11 | is the reproductive cyc | le in non-primate fema | iles. |
| | 12 | is the syndrome cause | d by the administration | n of thalidomide. |
| II. | An | swer all <i>nine</i> questions : | (6500-00) | $(12 \times \frac{1}{4} = 3 \text{ weightage})$ |
| | 13 | What is atresia? | Coaro Course | |
| | | | Zoology | |
| ¥O | ON | What is fate map? | LOCK, DEVELOPME | 6B 15-REPRODUCTIVE BIO |
| 3155 | 15 | What is blastocyst? | | e : Three Hours |
| | 16 | What is embryonic induction? | 1 111 | |
| | 17 | Name the four extra-embryonic m | | L. Answer all treefer questions: |
| | 18 | What is meroblastic discoidal clea | vage ? | A. Multiple choice questiens: |
| | 19 | What is theory of epigenesis? | eneg kalle karsonar | i Which of the following is a |
| | 20 | What is GIFT? | code (d) | (a) Eluachback. |
| | 21 | Mention the four important functi | | $(9 \times 1 = 9 \text{ weightage})$ |
| II. | Ans | swer any five questions: | | : al port to gee ent? |
| | 22 | With the help of a neatly labeled of | liagram explain the str | |
| | 23 | Describe primitive streak in chick | | |
| | 24 | Give an account of Spemann's con- | | |
| | 25 | Differentiate between arrhenotoky | | |
| | 26 | | | |
| | 27 | Explain amniocentesis. | | de Mammalian embryonic st |
| | 28 | What are homoeotic genes? Expla | | (a) Telipotent. |
| | | | solf (b) | $5 \times 2 = 10$ weightage) |
| V. | Ans | swer any two questions: | | B. Name the following: |
| | 29 | Write an essay on the different ph | ases of menstrual cycle | |
| | 30 | Describe the different types of regeneration. Explain the histological and cytological events | | |
| | | in regeneration and the factors aff | ecting them | The endometrial layer the |
| | 31 | What is cleavage? Write an essay | | |
| | | | | $(2 \times 4 = 8 \text{ weightage})$ |
| | | | | C. Fill in the blanks: |
| | | | | 9 The tusion of male and fe |
| | | tella a sullbon heavilot sang | many edd ofni alleo hadi | 10 The reversal of differentle |

PERSONAL PROPERTY.