

# IGI) SRI BHAGAWAN MAHAVEER JAIN COLLEGE

Vishweshwarapuram, Bangalore.

Mock Exam 1 - Feb.2016

Course: II PUC

Subject: BIOLOGY

Max. Marks: 70

**Duration:** 

3:15 Hrs

### Instruction:-

- i) Draw Diagrams wherever necessary.
- ii) Answer the extra question separately.
- I Answer the following in one word or in one sentence.

10 x 1 = 10

- 1. What is bio conversion?
- 2. Explain EFB.
- 3. What are flocs?
- 4. Define Apomixis.
- 5. What is Dobson's unit.
- 6. What are hot spots?
- 7. What is Feminism?
- 8. Which are the earliest fossils of prehistoric man?
- 9. Name the technique used to determine chromosomal or metabolic disorders in foetus.
- 10. What is vaccination?

#### PART - B

# II. Answer (any five) of the following.

 $[5 \times 2 = 10]$ 

[1]

- 11. a) What is meant by the term 'breed'?
  - b) What are the objectives of animal breeding (any 2)? [1]
- 12. Differentiate active and passive immunity.
- 13. Define external fertilization. Mention (any 2) disadvantages.
- 14. What is the role of  $T_1$  plasmids in biotechnology.
- 15. Mention any four main functions of an ecosystem.
- 16. Differentiate homozygote from heterozygote.
- 17. Draw a heat labeled diagram of transcription unit.
- 18. Write any four components of dairy farm management process.

### PART - C

## III. Answer (any Five) of the following.

 $5 \times 3 = 15$ 

- 19. Define the following.
  - a) Commensalism b) Ammensalism c) Mutualism.
- 20. Write a short note on productivity?
- 21. a) Suggest any three assisted reproductive technologies to overcome infertility [1 ½]
  - b) Mention two surgical methods to prevent fertilization in human. [1 ½]

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c) Write a case study of people's Participation in conservation of forests.

[1]

[2]

[2]

37.

a) What is Deforestation?

b) What are the cause of deforestation?