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Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (N&D) (Sem.-2)

FOOD PROCESSING AND PRESERVATION

Subject Code : BSND-122-18

M.Code : 77756

Date of Examination : 19-05-2025

Time : 3 Hrs.

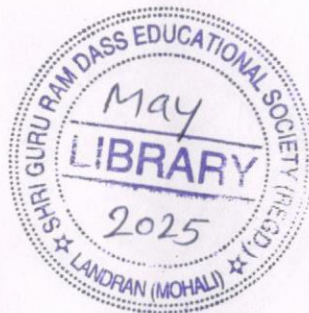
Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. SECTION-B contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. SECTION-C contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION - A

1. Answer briefly :
 - a) Mold
 - b) Freezing Curve
 - c) Thawing
 - d) Pasteurization
 - e) Mechanical Drying
 - f) Ionizing
 - g) Semi Perishable foods
 - h) Units of radiation.
 - i) Food Intoxication
 - j) Cool Storage



SECTION - B

2. *"Freezing is an ancient method of preserving food".* Comment.
3. Write a short note on Class I and Class II Preservatives.
4. What is evaporation? What are the factors that affect evaporation? Enlist the names of evaporators used in food.
5. Explain the uses of radiation in preservation of food.
6. With examples explain the importance of drying and dehydration in preservation of food.

SECTION - C

7. Briefly explain the scope and importance of Food Preservation. Give the historical evolution for Food Processing.
8. What is freezing? What is the different change that takes place during freezing? What are the principles of freezing?
9. What is thermal processing? How does it help in preservation of food?

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC case against the Student.

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Total No. of Questions : 09

B.Sc. – Hons.(Nutrition and Dietetics) (Sem.-2)

ENVIRONMENTAL SCIENCE

Subject Code : EVS-102-18

M.Code : 77762

Date of Examination : 29-05-2025

Time : 3 Hrs.

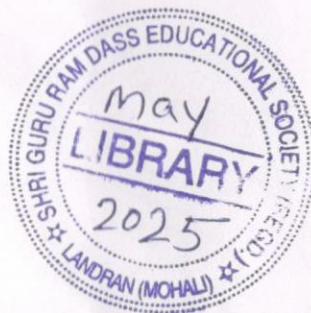
Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION - A

1. Answer all parts of the question :
- Define the multidisciplinary nature of environmental studies
 - What is an ecosystem? Mention its two functions.
 - Name two renewable and two non-renewable energy resources.
 - List two major biogeographic zones of India.
 - Explain the term "ecological succession."
 - State two causes of land degradation.
 - What is acid rain? Mention one impact on agriculture.
 - Name any two international environmental agreements.
 - What is the role of biodiversity in ecological services?
 - Mention two key features of the Environment Protection Act.



SECTION - B

2. Discuss the causes and impacts of deforestation, focusing on biodiversity and tribal populations.
3. Explain the structure and function of a grassland ecosystem.
4. Describe the main causes and control measures for water pollution with examples.
5. Highlight the ethical values associated with biodiversity conservation in Indian culture.
6. Write a brief note on the impacts of human population growth on environmental health.

SECTION - C

7. Discuss the impacts of ozone layer depletion and global warming on human health and agriculture.
8. Explain the significance of in-situ and ex-situ biodiversity conservation techniques with examples.
9. Write a detailed note on disaster management strategies for floods and earthquakes.

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B.Sc. (Nutrition & Dietetics) (Sem.-2)

BASICS OF COMPUTERS

Subject Code : BSND-128-18

M.Code : 77763

Date of Examination: 03-06-2025

Time : 3 Hrs.

Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying ONE mark each.
2. SECTION-B contains FIVE questions carrying $2\frac{1}{2}$ (Two and Half) marks each and students has to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying FIVE marks each and students has to attempt any TWO questions.

SECTION-A

1. Answer the questions given below in brief:

- What is data?
- What is application software?
- What is Pixel?
- What is printer?
- What is data processing?
- Describe the keyboard as an input device.
- What is BIT?
- What is cache memory?
- What is the role of interpreter?
- What is compiler?



SECTION - B

2. Discuss any five-application area of Computer systems.
3. Discuss any five input devices in detail.
4. Differentiate between primary and secondary memory.
5. Discuss any two application of touch screen.
6. Discuss the importance of system software in detail.

SECTION - C

7. Explain the various limitations of computer system in detail.
8. Discuss Impact and Non-Impact printers in detail.
9. Draw and Explain the Block diagram of computer in detail.

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