Roll No. ☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

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

BASIC OF COOKING

Subject Code : BSND/121/18

M.Code : 77755

Date of Examination : 08-05-2024

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 briefly :

   a) Kitchen attire

   b) Balanced diet

   c) Stewing

   d) Stock

   e) Garnish

   f) Braising

   g) Flavoring agents

   h) Convection

   i) Infrared

   j) Glaze.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) ★ LANDRAN (MOHALI) ★ May PRAPTI 2024

SECTION-B

2. What are the effects of cooking on proteins?
3. Explain about various kitchen equipments.
4. Explain combined methods of cookery for different food groups.
5. What are the advantages and disadvantages of pressure cooking?
6. Write about baking procedure for different food groups.

SECTION-C

7. Write in detail about various cooking methods and their principles.
8. Explain about cooking of food-heat and heat transfer methods.
9. Write in detail about sauces, soups and garnishes.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Hons. (N&D) (Sem.–2)

FOOD PROCESSING AND PRESERVATION

Subject Code : BSND-122-18

M.Code : 77756

Date of Examination : 11-05-2024

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. **Explain the following in brief :**

   a) Bacteria

   b) Thawing

   c) Blast Freezing

   d) Pasteurization

   e) Dehydration

   f) Non-Perishable Food

   g) Cold Sterilization

   h) Mechanical Drying

   i) Class I Preservatives

   j) Convection.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) ☆ LANDRAN (MOHALI) ☆ LIBRARY May 2024

SECTION-B

2. What is Food preservation? Enumerate the scope and importance of Food Preservation.
3. With examples differentiate between Sun drying and Dehydration .
4. Explain what are the changes that take place during freezing.
5. Explain what are the different types of ionizing radiations uses in Food Production.
6. With the help of a diagram explain the growth curve of microorganism.

SECTION-C

7. What is evaporation? What are the factors that effect evaporation?. Explain about different types of evaporators that are used in food industry.
8. Write a short note on historical development of food processing .
9. In brief explain about the freezing curve and factors that affect freezing.

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.

Roll No. ☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

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

FOOD CHEMISTRY

Subject Code : BSND/123/18

M.Code : 77757

Date of Examiantion : 15-05-2024

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 briefly :**

   i) What is the basic structure of ice?

   ii) What are disaccharides? Give examples.

   iii) What do you understand by term 'fat mimetics'?

   iv) What are epimers and give its examples?

   v) Name different types of essential fatty acids?

   vi) What do you understand by rancidity?

   vii) How much calorie carbohydrate and fats does provide?

   viii) What are hemicelluloses?

   ix) What are the different flavonoids present in citrus fruits?

   x) Enlist the functional properties of proteins.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI) May LIBRARY 2024

SECTION-B

2. What are the different factors affecting enzymatic activity?

3. What are polysaccharides? How modified starches are formed?

4. Discuss the water-soluble vitamins and their food sources.

5. Describe major proteins from animal and plant sources.

6. Discuss the different types of food flavors and their role in food industry.

SECTION-C

7. What are the classifications of amino acids? Write its examples with detailed structures?

8. i) What are the functions of carbohydrates in food?

   ii) Differentiate between amylose and amylopectin.

9. What are essential fatty acids? Discuss their structure and important functions along with suitable examples.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. ☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

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

FOOD PACKAGING

Subject Code : BSND-124-18

M.Code : 77758

Date of Examination : 18-05-2024

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.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI) LIBRARY May 2024

SECTION-A

1. **Explain the following :**

   a. Meaning of packaging in food industry

   b. List the methods of bottle making

   c. Types of paper based materials

   d. Lacquers

   e. Frozen foods

   f. Points to be kept in mind while packaging fresh produce

   g. Explain tensile strength in terms of testing for packaging

   h. Name the regulations governing Food Packaging

   i. Recycling of plastic waste

   j. Cartoning.

SECTION-B

2. Discuss the need or functions of food packaging.
3. Explain blow molding and injection molding techniques.
4. Explain the packaging for dry as well as moisture sensitive foods.
5. **Explain any two :**

   a. Thickness

   b. Puncture strength

   c. Bursting strength

6. Discuss any two packaging systems.

SECTION-C

7. Discuss in detail glass its composition, properties and methods of bottle making.
8. Discuss the various methods with respect to packaging machinery.
9. **Discuss :**

   a. Metal packaging

   b. Testing procedures for packaged foods.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science (Nutrition & Dietetics) (Sem.–2)

ENVIRONMENTAL SCIENCE

Subject Code : EVS-102-18

M.Code : 77762

Date of Examination : 22-05-2024

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 Briefly :**

   a) Define Eco System. Give two examples.

   b) What is Ecological succession?

   c) Define Biodiversity. How is it conserved?

   d) List two endangered and endemic species of India.

   e) What are the environmental effects of soil pollution?

   f) List any four air pollutants due to automobiles.

   g) Differentiate between natural and man-made disasters.

   h) What do you understand by acid rain?

   i) What is meant by population stabilization?

   j) Why is environmental degradation considered as human rights issue?

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI) LIBRARY May 2024

SECTION-B

2. *"Renewable energy sources are considered environmentally benign"*. Critically comment considering examples.

3. Should we have big dams? Discuss to substantiate your point.

4. Explain the *in-situ* and *ex-situ* conservation of biodiversity.

5. Discuss the energy flow through grassland ecosystem.

6. Discuss the role of religious and cultural value systems in environmental conservation.

SECTION-C

7. What are the principles of sustainable development? How do we achieve it? Discuss using the example of organic farming.

8. Discuss the salient features of any two environmental laws enacted in India. What are the difficulties in enforcing environmental acts in India?

9. **Write notes on :**

   a) Impact of human population growth on the environment

   b) Environmental movements in India.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

Roll No. ☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

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

BASICS OF COMPUTERS

Subject Code : BSND/128/18

M.Code : 77763

Date of Examination : 25-05-2024

Time : 3 Hrs. Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

1. **Please answer the questions given below in brief :**

   a) What are the benefits of application software?

   b) Write advantages of Laser Printer.

   c) Discuss Worms.

   d) List the features of taskbar.

   e) What is the difference between compiler and interpreter?

   f) Explain any five characteristics of computers.

   g) Explain bit, byte.

   h) What is OMR? What are its advantages?

   i) Differentiate between internal and external commands of MS-DOS.

   j) Explain the anatomy of Windows.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) ☆ LANDRAN (MOHALI) ☆
May
LIBRARY
2024

SECTION-B

2. Discuss the role of Operating System. What is its significance?

3. Explain any file internal commands of MS-DOS.

4. What is Microsoft Windows? Explain the control panel in windows.

5. Discuss the use of computer languages in development of software's. What are the advantages of high level languages?

6. Discuss any three input devices.

SECTION-C

7. a) Draw and explain the Block Diagram of Computer,

   b) Explain the generations of computer.

8. What are various storage devices? Explain each with their relative merits and demerits.

9. **Explain the working of the following memories:**

   a) RAM

   b) Cache memory.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition and Dietetics) (Sem.–4)

FOOD STANDARDS AND QUALITY CONTROL

Subject Code : BSND-221-18

M.Code : 79521

Date of Examination : 07-05-2024

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. **Explain the following :**

   i. Food quality

   ii. Grading

   iii. Oxalates

   iv. Full form of HACCP

   v. Examples of FOUR physical hazards

   vi. Main objective of FSSAI

   vii. Food additives

   viii. Adulteration tests done for sugar

   ix. AGMARK

   x. Difference between subjective and chemical methods to check food quality.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) ☆ SHRI GURU RAM DASS LIBRARY ☆ LAMDHAN (MOHALI) May 2024

SECTION-B

2. Discuss the factors affecting Food Quality.

3. Throw light on the various types of food intoxicants.

4. Write a note on Food Quality Management System and Food safety Management System.

5. Define food additives. Discuss them in the light of their safety.

6. Write a note on standards for product quality and its safety.

SECTION-C

7. Write a detailed note on various subjective methods of assessment of Food Quality.

8. Explain in detail the concept, planning, implementation and management of HACCP.

9. **Explain :**

   a) What do you understand by food adulteration? Explain its classification.

   b) Codex alimentarius.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Hons. (Nutrition and Dietetics) (Sem.–4)

MATERNAL AND CHILD NUTRITION

Subject Code : BSND-222-18

M.Code : 79522

Date of Examination : 13-05-2024

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. **Write briefly :**

   a) Enlist the Different preparation suitable for the Lactating mother.

   b) Define pregnant women and its energy and protein requirements.

   c) Write about maternal nutrition and foetal outcome.

   d) Write about the advantage and disadvantage of Weaning.

   e) Explain Indian Regulation of marketing of breast milk substitutes.

   f) Write about the feeding pattern of pre mature babies.

   g) Explain nutritional requirements for Infants mainly Protein, Fat as per RDA 2020.

   h) Write about the importance of maternal nutrition.

   i) Define Colostrum and advantage of Breast milk.

   j) Define RDA, BMI, Balance diet as per ICMR.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LIBRARY May 2024 LANDRAN (MOHALI)

SECTION-B

2. Explain National Guidelines on infant and young child feeding practices?
3. Explain relationship between Latest RDA 2020 in context to infant nutrition?
4. Write in detail about the marketing of Formulae foods and its advantage and disadvantage.
5. Explain the physiological change and biochemical change during pregnancy.
6. Develop a diet plan for lactating mother. Also explain physiological change in lactation.

SECTION-C

7. **Write in detail :**

   a) Nutrition needs of infants and guidelines for breast feeding.

   b) Growth and development of Infants.

8. Plan a diet plan for pregnant women for 2nd trimester in consider to its nutrition needs. Also, explain complications of pregnancy.
9. **Write the difference between :**

   a) Feeding of preterm babies-and Premature babies.

   b) Artificial Feeding and Supplementary Feeding.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition and Dietics) (Sem.–4)

CLINICAL NUTRITION

Subject Code : BSND223/18

M.Code : 79523

Date of Examination : 14-05-2024

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. **Explain the following :**

   a) Nutritional status

   b) Differentiate between full fluid diet and clear fluid diet

   c) Dietitian

   d) Colitis

   e) ALT and AST

   f) Fasting glucose

   g) Glycemic index

   h) Clinical signs of hypertension.

   i) Nephritis

   j) Calculi.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) ☆ LANDRAN (MOHALI) ☆ LIBRARY May 2024

SECTION-B

2. What do you understand by nutritional status and disease?

3. Discuss the etiology, clinical signs and symptoms and dietary management of constipation.

4. As a dietitian, discuss the etiology, clinical signs and symptoms and dietary management of hypertension.

5. Discuss the etiology, clinical signs and symptoms and dietary management of nephrotic syndrome.

6. Throw light on the etiology, clinical signs and symptoms, metabolic changes and dietary management or a patient suffering from cirrhosis.

SECTION-C

7. Explain the concept of diet therapy. Write a detailed note on soft diets and specially modified diets.

8. Priya, age 65 has been diagnosed with 80% and 90% blockages in two major arteries. As a dietician, explain her the etiology, clinical signs and symptoms, metabolic changes and dietary management to take care of her cardiovascular disease.

9. Kanchan complains of constant heart burn. She has been diagnosed with peptic ulcers. Discuss the clinical signs and symptoms, metabolic changes, complications and dietary management to take care of the ailment.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition & Dietetics) (Sem.–4)

RESEARCH METHODOLOGY

Subject Code : BSND227/18

M.Code. : 79527

Date of Examination : 17-05-2024

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. Write briefly :

   a) Criteria of a good research

   b) Type of questionnaires

   c) Rating scales

   d) Precautions in data collection

   e) Quasi-Experimental Designs

   f) Descriptive Statistics

   g) Chi-square test

   h) Null and Alternate hypothesis

   i) Types of Research Reports

   j) Validity of diagnostic tests.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI) May LIBRARY 2024

SECTION-B

2. What precautions should be kept in mind while planning and designing a Research study?

3. Write in detail about articulating the hypothesis. Also, explain the importance of Null and Alternate Hypothesis, level of significance and confidence intervals.

4. What are the different types and methods of data collections?

5. What is the role played by method of central tendency and measure of dispersion in analysis of data in descriptive research design?

6. Explain the overall structure of the research report.

SECTION-C

7. What precaution should be taken while collecting the primary and secondary data for avoiding the errors it? How will you make your research problem to be more impressive in making its statement and designing its hypothesis?

8. a) What do you mean by Reference values? Explain in detail about health indicators and validity of the diagnostic tests.

   b) What are the different types of Research Designs? Explain all the Research Designs in detail.

9. a) Write in detail about the management of the data. Explain the different techniques used in analysis and data?

   b) What is the importance of presentation of data? What role does it play in research report writing?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ]

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc - Honours (Nutrition and Dietetics)(Sem.–8)

DIET THERAPY AND NUTRITION SUPPORT-II

Subject Code : BSND421/18

M.Code : 92630

Date of Examination : 24-04-2024

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. **Write briefly :**

   a) Nutrition

   b) Uric Acid

   c) Ischemia

   d) LDL

   e) Health benefits of antioxidants

   f) Difference between 1 degree and 3 degree burns.

   g) Types of kidney stones

   h) Etiology of HIV

   i) Types of cancer

   j) Pulmonary hypertension.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI)
April
BRAR
2024

SECTION-B

2. Discuss the etiology and symptoms of any one type of respiratory disease.
3. Write a note on the lifestyle management of ischemic heart disease.
4. Throw light on the lifestyle management for major burns.
5. Write a note on dietary management in trauma.
6. How can diet help in keeping a check on hyperlipidemia?

SECTION-C

7. Write a detailed note on the etiology, symptoms, metabolic changes and dietary and lifestyle management for gout.
8. Discuss the aetiology, symptoms, dietary and lifestyle management for kidney stones.
9. What is cancer? Discuss the dietary and lifestyle management for it.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. ☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. - Honours (Nutrition and Dietetics) (Sem.–8)

NUTRITION IN EMERGENCIES

Subject Code : BSND 422/18

M.Code : 92631

Date of Examination 27-04-2024

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 TWO AND A HALF marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying FIVE marks each and students have to attempt any TWO questions.

SECTION-A

1. **Write briefly :**

   a) Emergency

   b) Poverty

   c) Difference between short-term and long-term emergencies.

   d) Any two examples of food given in supplementary feeding.

   e) Any two examples of social food.

   f) Locusts

   g) Hunger

   h) Scurvy

   i) Beri Beri

   j) Any one method to control communicable diseases.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) ★ LANDRAN (MOHALI) ★ April LIBRARY 2024

SECTION-B

2. Throw light on starvation during earthquakes.
3. Write a note on food shortage.
4. How are local resources mobilised during emergencies?
5. Discuss the supply of water during emergencies.
6. What do you understand by social foods Discuss?

SECTION-C

7. Write a note on wrong policies with respect to nutritional emergencies.
8. Discuss in detail the concept of general food distribution.
9. Write a note on public health and hygiene problems during emergencies.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Honours (Nutrition and Dietetics)(Sem.–8)

DRUG NUTRIENT INTERACTIONS

Subject Code : BSND 423/18

M.Code : 92632

Date of Examination : 29-04-2024

Time : 3 Hrs. Max. Marks : 30

INSTRUCTIONS TO CANDIDATES :

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

SECTION-A

1. Write briefly :

a) Nutrients

b) Types of drugs

c) Nutritional status

d) Any 2 nutrients commonly affected by drugs

e) Appetite

f) Any 2 differences between enteral and parenteral nutrition

g) Any 2 drugs related to metabolic disorders

h) Herbal supplements

i) Health

j) Any 2 tips as a dietary counsellor to prevent food drug interactions.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI)
April
LIBRARY
2024

SECTION-B

2. What do you understand by drug interaction?

3. Explain the biopharmaceutics of orally ingested drugs.

4. Throw light on obesity suppressant drugs.

5. Write a note on nutrients that are commonly affected by drugs.

6. Throw light on effect of intake of alcohol on nutrients.

SECTION-C

7. Explain the mechanism of drug interaction with nutrients.

8. Write a note on :

a) Drug-related gastrointestinal disorders?

b) Drug induced metabolic alterations on receiving parental nutrition.

9. Write a note on the interaction of herbal and dietary supplements with drugs.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition and Dietetics) (Sem.–8)

CONVENIENCE AND HEALTH FOODS

Subject Code : BSND 426a/18

M.Code : 92635

Date of Examination : 03-05-2024

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. **Write briefly :**

   a) What are millets?

   b) Pen down the names of 5 traditional cereals.

   c) What are extruded products?

   d) What is retort pouch food?

   e) Name some super food.

   f) Pen down the names of positive millets.

   g) Name some ready to eat breakfast cereals.

   h) What is processed food?

   i) Give nutritional content of macaroni cheese.

   j) Pen down some milk based convenience foods.

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI)
May
LIBRARY
2024

SECTION-B

2. List the different type of Natural Sugar available.
3. Discuss the classification & types of health foods.
4. Pen down the nutritional importance and scope of pulses.
5. What is self-heating system for ready to eat foods?
6. Pen down the nutritive value and health benefits of 5 millets.

SECTION-C

7. Discuss the special needs and problems in marketing of processed foods.
8. Define Convenience Food. Discuss the history, importance, need, types and limitation of convenience Food.
9. Discuss the various methods of processing the Convenience Food.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Honours) (Nutrition and Dietetics) (Sem.–8)

BAKERY AND CONFECTIONARY

Subject Code : BSND427a-18

M.Code : 92637

Date of Examination: 06-05-2024

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. **Write short notes on :**

   a) Deck oven

   b) Spiral mixer

   c) Bagels

   d) Muffins

   e) Gluten-free flour

   f) Swiss roll

   g) Macaroons

   h) Molding

   i) Proofing

   j) Bakery

SHRI GURU RAM DASS EDUCATIONAL SOCIETY (REGD.) LANDRAN (MOHALI) LIBRARY May 2024

SECTION-B

2. What are some common types of flours used in baking and how do they impact the texture of baked goods?

3. How does the creaming method work in cake baking and why it is important?

4. What is the role of an oven in a bakery and types of oven used in bakery?

5. Different between biscuits and cookies.

6. Explain different types of molds.

SECTION-C

7. Explain large equipments used in bakery and also, tell the importance of hygiene, sanitation and contamination in bakery.

8. Different types of bakery products and materials used in bakery.

9. Difference between cakes and pastries, list any 5 types of cakes and pastries and also explain control of temperature in bakery.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science-(Honours) (Nutrition and Dietetics) (Sem.–1)

HUMAN PHYSIOLOGY

Subject Code : BSND-114-18

M.Code : 77211

Date of Examination : 20-12-2024

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. **Write briefly :**

   a) Define blood pressure.

   b) What is menstruation?

   c) What is tissue?

   d) What are vessels?

   e) Write a short note on ECG.

   f) What is water balance?

   g) What is meant by pituitary?

   h) Define physiology.

   i) What is hemorrhage?

   j) Write a short note on reflexes.

SECTION-B

2. Briefly explain factors affecting blood pressure.
3. Explain and draw the structure of heart.
4. Discuss in detail body defense against diseases.
5. Explain in detail about thyroid and parathyroid.
6. Write a note on regulation of male reproductive functions.

SECTION-C

7. Write a detailed note on digestion and absorption of carbohydrates and proteins.
8. Describe excretory system. Explain briefly structure of kidney and formation of urine in detail.
9. Discuss nervous system. Draw a well labeled diagram of neurons and functions of different parts of nervous system.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | |

Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Hons (Nutrition and Dietetics) (Sem.–1)

PRINCIPLES OF HUMAN NUTRITION

Subject Code : BSND-111-18

M.Code : 77208

Date of Examination : 02-01-2025

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. **Write briefly:**

   a) Goiter

   b) Malnutrition

   c) Energy Giving Foods

   d) Scurvy

   e) Minimal Nutritional Requirements

   f) Reference Woman

   g) RDA

   h) Nutrition

   i) Health

   j) Diet

SECTION-B

2. Explain the role of dietary survey in assessment of nutritional status of an individual.

3. Discuss the functions and sources of fats in details.

4. Write a note on non-conventional foods and their uses.

5. Discuss the role of nutrition education in implementation of nutrition policies

6. Explain the function and sources of Vitamin A in detail.

SECTION-C

7. Discuss the different food groups in details with their functions.

8. Explain the functions, metabolism, sources and deficiency of protein in details.

9. Write a note on scope of nutrition and concept of balanced diet.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science (Honours) (Nutrition and Dietetics) (Sem.–1)

FOOD MICROBIOLOGY & FOOD SAFETY

Subject Code : BSND-113-18

M.Code : 77210

Date of Examination : 07-01-2025

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. **Write briefly:**

   a) Spores

   b) Food safety

   c) Structure of mold.

   d) Food infection

   e) Preservation

   f) Two names of bacteria used in the food industry.

   g) Log phase in growth curve.

   h) Food contamination

   i) Hygiene

   j) Full form of ISO.

SECTION-B

2. Write a detailed note on morphology, structure of bacteria.

3. **Throw a light on the food spoilage due to microbes of:**

   a) Cereals

   b) Fish

4. Write a note on the manufacture of wine and yogurt with respect to fermentation.

5. Discuss the factors affecting food safety.

6. Discuss the non thermal methods of food preservation.

SECTION-C

7. a) Discuss the scope of food microbiology.

   b) Explain in detail the growth curve.

8. Write a detailed note ISO series.

9. Write a detailed note on the origin, symptoms and prevention of any TWO food borne diseases.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science-(Honours) (Nutrition and Dietetics) (Sem.–1)

HUMAN PHYSIOLOGY

Subject Code : BSND-114-18

M.Code : 77211

Date of Examination : 20-12-2024

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. **Write briefly :**

   a) Define blood pressure.

   b) What is menstruation?

   c) What is tissue?

   d) What are vessels?

   e) Write a short note on ECG.

   f) What is water balance?

   g) What is meant by pituitary?

   h) Define physiology.

   i) What is hemorrhage?

   j) Write a short note on reflexes.

SECTION-B

2. Briefly explain factors affecting blood pressure.
3. Explain and draw the structure of heart.
4. Discuss in detail body defense against diseases.
5. Explain in detail about thyroid and parathyroid.
6. Write a note on regulation of male reproductive functions.

SECTION-C

7. Write a detailed note on digestion and absorption of carbohydrates and proteins.
8. Describe excretory system. Explain briefly structure of kidney and formation of urine in detail.
9. Discuss nervous system. Draw a well labeled diagram of neurons and functions of different parts of nervous system.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | |

Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Hons (Nutrition and Dietetics) (Sem.–1)

PRINCIPLES OF HUMAN NUTRITION

Subject Code : BSND-111-18

M.Code : 77208

Date of Examination : 02-01-2025

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. **Write briefly:**

   a) Goiter

   b) Malnutrition

   c) Energy Giving Foods

   d) Scurvy

   e) Minimal Nutritional Requirements

   f) Reference Woman

   g) RDA

   h) Nutrition

   i) Health

   j) Diet

SECTION-B

2. Explain the role of dietary survey in assessment of nutritional status of an individual.

3. Discuss the functions and sources of fats in details.

4. Write a note on non-conventional foods and their uses.

5. Discuss the role of nutrition education in implementation of nutrition policies

6. Explain the function and sources of Vitamin A in detail.

SECTION-C

7. Discuss the different food groups in details with their functions.

8. Explain the functions, metabolism, sources and deficiency of protein in details.

9. Write a note on scope of nutrition and concept of balanced diet.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science (Honours) (Nutrition and Dietetics) (Sem.–1)

FOOD MICROBIOLOGY & FOOD SAFETY

Subject Code : BSND-113-18

M.Code : 77210

Date of Examination : 07-01-2025

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. **Write briefly:**

   a) Spores

   b) Food safety

   c) Structure of mold.

   d) Food infection

   e) Preservation

   f) Two names of bacteria used in the food industry.

   g) Log phase in growth curve.

   h) Food contamination

   i) Hygiene

   j) Full form of ISO.

SECTION-B

2. Write a detailed note on morphology, structure of bacteria.

3. **Throw a light on the food spoilage due to microbes of:**

   a) Cereals

   b) Fish

4. Write a note on the manufacture of wine and yogurt with respect to fermentation.

5. Discuss the factors affecting food safety.

6. Discuss the non thermal methods of food preservation.

SECTION-C

7. a) Discuss the scope of food microbiology.

   b) Explain in detail the growth curve.

8. Write a detailed note ISO series.

9. Write a detailed note on the origin, symptoms and prevention of any TWO food borne diseases.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (N&D) (Sem.–3)

NORMAL AND THERAPEUTIC NUTRITION

Subject Code : BSND-211-18

M.Code : 78539

Date of Examination : 25-11-2024

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. **Write briefly :**

   a. Health

   b. Nutrition

   c. Exchange list

   d. Full form of NG tube and PEG

   e. Why does iron requirement increases in pregnancy?

   f. Weaning

   g. Full form of GERD

   h. List the Causes of diarrhoea

   i. Hypoglycemia

   j. Gluten

SECTION-B

2. Discuss the factors affecting meal planning.

3. Throw a light on the nutritional requirements of a lactating lady?

4. Write a note on symptoms and dietary management of a patient suffering acute fever.

5. Ram has acute pain in his gut when he has taken wheat. What could be the issue? Discuss.

6. **Write a note on *any ONE*:**

   a. Parental nutrition as a mode of feeding

   b. Normal methods of feeding

SECTION-C

7. **Write notes on:**

   a. Bottle feeding *vs* breast feeding

   b. Complimentary feeding

8. Discuss the development, food habits and nutritional requirements of an adolescent girl?

9. Write a detailed note on causes, symptoms and dietary management of *any ONE*:

   a. Hypertension

   b. Diabetes

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. ☐☐☐☐☐☐☐☐☐☐ Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition and Dietectics) (Sem.–3)

NUTRACEUTICALS, FUNCTIONAL FOODS & NUTRIGENOMICS

Subject Code : BSND-217-18

M.Code : 78545

Date of Examination : 28-11-2024

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. **Write briefly :**

   a. Peptides

   b. Polyphenols

   c. Oats as a functional food

   d. Prebiotics

   e. Any FOUR food sources of omega 3 fatty acids

   f. Functional foods

   g. Epi genetics

   h. Nutraceuticals for cancer

   i. Genetics

   j. Amino acids

SECTION-B

2. What do you understand by functional foods? Classify them.

3. Discuss the effects of processing and storage on functional foods.

4. Give an overview of tea and coffee as functional drinks.

5. Write a note on probiotics and their health benefits.

6. Explain the concept of nutrigenomics.

SECTION-C

7. Explain in detail, how nutraceuticals can be beneficial for those suffering from heart diseases and cancer?

8. Write notes on:

   a. Antioxidants

   b. Any TWO phytochemicals

9. Discuss various probiotic foods and their functional role. Shed some light on their marketing too.

NOTE : Disclosure of **Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Nutrition and Dietectics) (Sem.–3)

HEALTH HYGIENE AND SANITATION

Subject Code : BSND213-18

M.Code : 78541

Date of Examination : 02-12-2024

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. **Write briefly :**

   a. What do you mean by Sanitation?

   b. How can the diseases be controlled from spreading?

   c. What do you mean by rodent control?

   d. Define air pollution.

   e. What is Hygiene?

   f. What is cholera?

   g. What is victor management?

   h. What is kitchen hygiene?

   i. What is ventilation?

   j. Define food poisoning.

SECTION-B

2. What are the causes and symptoms of food poisoning?

3. What are soil impurities and what is its effect on health?

4. Write short note on :

   a. Typhoid

   b. Jaundice

5. When do we say that the water is contaminated? What are its symptoms?

6. What is quarantine? How can people be saved from infectious diseases?

SECTION-C

7. What are communicable diseases how can a person save himself from getting infected with such diseases?

8. What is immunization? What are food hygiene habits to promote health?

9. What are the causes of air pollution and its ill effects on health?

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (N&D) (Sem.–3)

COMMUNITY NUTRITION

Subject Code : BSND212-18

M.Code : 78540

Date of Examination : 05-12-2024

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. **Write briefly :**

   a) Malnutrition

   b) Biochemical assessment for vitamins

   c) Mortality

   d) Food Frequency Questionnaire

   e) Full forms of NNMB and ICMR

   f) Full forms of IDD and PEM

   g) Nutrition surveillance

   h) Importance of community kitchens

   i) FAO

   j) Clinical assessment of Vitamin A deficiency

SECTION-B

2. Write a note on the analysis and interpretation of anthropometric data.

3. Throw light on the causes of undernutrition in our society.

4. Give an account of iron deficiency disorder as a nutritional problem with respect to Punjab.

5. Discuss the role of WHO in efforts to combat malnutrition.

6. How do you think community kitchens help in combatting malnutrition.

SECTION-C

7. Give a detailed overview on clinical changes seen in different parts of the body.

8. What is the purpose of dietary survey? Discuss its types and methods.

9. **Write notes on any TWO :**

   a) Role of NIN in combatting malnutrition

   b) Role of UNICEF in combatting malnutrition

   c) Principles of nutrition education programmes

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science Hons. (Nutrition and Dietetics/Chemistry) (Sem.–5)

INSTITUTIONAL FOOD SERVICE MANAGEMENT

Subject Code : BSND311/18

M.Code : 90839

Date of Examination : 25-11-2024

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. **Write briefly :**

   a. Food service

   b. Examples of non-commercial food service.

   c. Table d' hôte

   d. Names of types of organization.

   e. List the types of equipments used in food service.

   f. Sanitation

   g. Meal planning

   h. Types of storage units.

   i. Accounting

   j. Portion control.

SECTION-B

2. Discuss the basic factors affecting meal planning.

3. Throw light on organization chart as a tool of management in food service.

4. Explain the aspect of kitchen and serving units.

5. Throw light on personal hygiene in food service.

6. Write a note on selection and purchasing of food.

SECTION-C

7. Explain in detail, the commercial types of food organizations.

8. Discuss the equipments need in food service industry.

9. Write a detailed note on the selection, receiving, storage and location of storage spaces in food institutions.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Questions : 09 Total No. of Pages : 02

B.Sc. Honours (Nutrition and Dietetics) (Sem.–5)

ENTREPRENEURSHIP DEVELOPMENT AND BUSINESS MANAGEMENT

Subject Code : BSND-313-18

M.Code : 90841

Date of Examination : 28-11-2024

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. Write briefly :

a) Define enterprise.

b) What do you understand by entrepreneurship development?

c) Who is a social entrepreneur?

d) What is enterprise planning?

e) Define motivation.

f) What is trademark?

g) What are objectives of Copyrights?

h) What do you understand by trademark registration?

i) Who is a small entrepreneur?

j) Why the growth of small business is important in a country like India?

SECTION-B

2. *"Entrepreneurship in India is difficult"* Do you agree?

3. What is entrepreneurial motivation? Discuss.

4. What is trade Secret? Elaborate with examples.

5. What is financial marketing? Why is it required?

6. Discuss Success Factors for small business in India.

SECTION-C

7. *"There are huge opportunities for Entrepreneurship development in India."* Do you agree? Discuss.

8. Discuss the law relating to creation of Intellectual Property Rights.

9. What various sources of funds are available for an entrepreneur in India? Elaborate.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | | | | Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. (Hons.) (Nutrition and Dietetics) (Sem.–5)

NUTRITION FOR SPECIAL GROUPS

Subject Code : BSND312-18

M.Code : 90840

Date of Examination : 02-12-2024

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. **Write briefly:**

   a. Health

   b. Refugees

   c. Famine

   d. Hygiene

   e. Any TWO examples of non communicable diseases.

   f. Intervention

   g. Orphans

   h. Any TWO important nutritional requirements for asylum seekers.

   i. Any TWO important nutritional requirements for women.

   j. Any TWO important nutritional requirements for orphans.

SECTION-B

2. What do you understand by special groups? Give an overview of population below poverty line.

3. Discuss the nutritional requirements of homeless in orphanage.

4. Give an account of the nutritional requirements during famines.

5. Throw light on the current nutrition and health status of children in India.

6. Discuss the control of non-communicable disease in special groups.

SECTION-C

7. Discuss the relationship of nutrition and health in those with special need.

8. Give a detailed account of major nutritional deficiency disorders.

9. Discuss the nutritional requirements and sports persons and astronauts.

NOTE: Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science / Honours (Nutrition and Dietetics) (Sem.--7)

GERIATRIC NUTRITION

Subject Code : BSND 413/18

M.Code : 92626

Date of Examination : 26-11-2024

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. **Write briefly :**

   a) Tube feeding.

   b) Hypertension.

   c) Nutrient reaction.

   d) Stroke.

   e) Anaemia.

   f) Pankimsonism.

   g) Malnutrition.

   h) Distension.

   i) Physical exercise.

   j) Constipation

SECTION-B

2. Explain the physical changes during ageing?
3. Explains the role of nutritional management for a person suffering from malnutrition.
4. What are the dietary changes to be made for a person suffering from Cancer?
5. Explain the role of parental nutrition support.
6. How does psychological change during old age affect the nutritional status?

SECTION-C

7. Explain the importance of geriatric nutrition in detail.
8. Explain the nutritional management of obesity in detail.
9. Discuss the nutritional management for coronary heart disease in detains.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Honours (Nutrition and Dietetics) (Sem.–7)

DIET THERAPY AND NUTRITION SUPPORT-I

Subject Code : BSND412-18

M.Code : 92625

Date of Examination : 29-11-2024

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. **Write briefly :**

   a. Diet therapy

   b. Nutrition

   c. Flowchart of dietary department

   d. Food Frequency questionnaire

   e. SGPT

   f. Lipase

   g. Any TWO causes of pancreatitis

   h. Symptoms of reflux

   i. How are peptic ulcers and duodenal ulcers different?

   j. Significance of roughage in diet

SECTION-B

2. Write a note on the functions of the dietary department?

3. How will you assess a patient's profile?

4. Write a note on the etiology and symptoms of a patient having fatty liver.

5. Discuss the causes and symptoms of patient suffering from colitis.

6. Write a note on the dietary management in cases of GERD.

SECTION-C

7. **Write notes on :**

   a. Food service in hospital

   b. Dietician as a part of the outreach services

8. Write a note on the causes, symptoms and dietary management in cases of pancreatitis.

9. Explain in detail, the dietary and lifestyle management in cases of :

   a. Crohns diseases

   b. Diverticulitis

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.

Roll No. | | | | | | | | | | |

Total No. of Pages : 02

Total No. of Questions : 09

Bachelor of Science - Honours (Nutrition and Dietetics) (Sem.–7)

SPORTS NUTRITION

Subject Code : BSND 411-18

M.Code : 92624

Date of Examination : 05-12-2024

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. **Write briefly :**

   a. Role of electrolytes

   b. Ergogenic aids

   c. Mineral metabolism

   d. Amenorrhea

   e. Antioxidants

   f. Sports food

   g. ATP-CP Energy System

   h. Physical performance

   i. Macronutrients.

   j. Nutrition

SECTION-B

2. Explain the evolution of sports nutrition as a discipline.
3. Explain the oxygen energy system in details.
4. How is energy intake and exercise co-related?
5. Explain the role of diet during amenorrehea in athletes.
6. Explain the different nutritional supplements for sports persons.

SECTION –C

7. Explain the role of anthropometric and physiological measurements and their type.
8. Explain the different energy systems of the body.
9. Explain the dietary guidelines for sports nutrition.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.