

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION MAY 2022
(Sixth Semester)

Branch – FOOD PROCESSING TECHNOLOGY

THERAPEUTIC NUTRITION

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

1. Which type of feeding is usually delivered over 20–60 minutes by infusion pump or by the gravity drip method?
(i) Cyclic feeding (ii) Continuous feeding
(iii) Intermittent feeding (iv) Bolus feeding
2. IV fluid of choice to increase calories to provide parenteral nutrition by peripheral route?
(i) DNS (ii) Lipid emulsions
(iii) Arginine in DNS (iv) 25% dextrose
3. Pica, a clinical presentation for iron deficiency anemia is
(i) A small woodland creature (ii) Chronic blood loss
(iii) Desire to eat weird things (iv) Itchiness
4. Which of the following is the first indication for PEM that has led to the permanent damage to the brain?
(i) Low birth weight (ii) Reduced circumference of the head
(iii) Premature birth (iv) Slowed reflexes during birth
5. A adult women is 1.60 m tall and weighs 72 kg. Is she:
(i) Underweight (ii) Obese
(iii) Normal weight (iv) Overweight
6. What is the correct interpretation of the cardio vascular disease free life expectancy?
(i) The age at which a patient will have experienced a cardiovascular event
(ii) The age at which a patient will have died from a cardiovascular event
(iii) The at which a patient has 50% chance to have died from a cardiovascular event
(iv) The median life expectancy without myocardial infarction or stroke
7. Blood concentration of hemoglobin (ctHb g/L) for adult female
(i) 13.5 – 17.5 (ii) 11.0 – 13.5
(iii) 11.5 – 15.5 (iv) 15.0 – 21.0
8. What value results from weight in kilograms divided by height in meters-squared?
(i) BMR (ii) RMR
(iii) Quetelet index (iv) None of the above
9. An athlete participating in track cycling sprint event plans to consume the pre-competition meal 2 hours prior to the event. What should be the carbohydrate amount his meal?
(i) 1 gm/kg BW (ii) 2 gm/kg BW
(iii) 3 gm/kg BW (iv) 4 gm/kg BW

Cont...

10. Which type of following food is used in space?
 (i) Rehydratable (ii) Natural Form
 (iii) Irradiated (iv) All the above

SECTION-B (35 marks)

Answer all Questions
 All Questions carry equal marks (5 × 7 = 37 marks)

11. a. Bring out the principles and classification of therapeutic diet.
 OR
 b. Explain on high/low fibre, and sodium restricted diet.
12. a. Show the causes, signs, symptoms and dietary treatment for Vitamin A deficiency.
 OR
 b. Describe signs and symptoms of iron deficiency anemia.
13. a. Procedure dietary management on obesity.
 OR
 b. Summarizing on dietary management on cardiovascular disease.
14. a. State the objectives of nutritional status.
 OR
 b. Sketch the techniques of measuring mid arm circumference of waist-hip ratio.
15. a. Explain different types of exercises with examples.
 OR
 b. Bring out the guidelines for space nutrition.

SECTION-C (35 marks)

Answer any three Questions out of five
 All Questions carry equal marks (3 × 10 = 30 marks)

16. Elaborate on enteral access and the mode of administration with relevant illustration
17. Enumerate on dietary management of protein energy malnutrition.
18. Point out the pathophysiology and care management algorithm of type I & II Diabetes mellitus.
19. Discuss on need and importance of anthropometric measurements and techniques of measuring chest and arm circumference.
20. Summaries water and electrolyte balance.

Z-Z-Z

END