VIDYASAGAR UNIVERSITY
MIDNAPORE

COMMON ENTRANCE TEST FOR PG ADMISSION, 2019

Question Booklet No. 2919850 Full Marks : 200

Subject: CLINICAL NUTRITION & DIATETICS **Question Booklet Series: C**

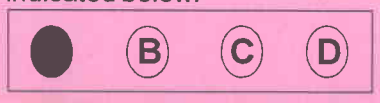
Subject Code No.: 29

Answer all the questions. Each question has the same weightage.

Read the following instructions carefully before you start answering.

INSTRUCTIONS

1. The question Booklet is printed in four Series e.g. (A), (B), (C) and (D). The candidate has to indicate the Series of the question booklet in the space provided in the OMR Answer Sheet . For example, if the candidate gets Series (A) booklet, he / she has to indicate on the front side of the OMR Answer Sheet with Black ink ball point pen only as indicated below:



2. There are 50 questions inside this question booklet. Immediately after you have been instructed to open this question booklet, ensure that any page / question is not missing / not printed / torn /repeated. In case you find any defect anywhere in the question booklet, immediately get it replaced by the Invigilator.

3. Each question carries 4 marks. 1(one) mark will be deducted for each wrong answer(negative marking).

4. Write your Form No and put signature in the space provided.

5. Before answering, write down the necessary information on the OMR Answer Sheet as per your Application Form and Admit Card in the specific space provided.

6. With each question you will find 4 possible answers marked by the letters A, B, C & D. Read each question carefully and find out which answer, according to you, is correct / most appropriate / best. Indicate your answer by darkening the appropriate circle completely in the OMR Answer Sheet corresponding to the question. For marking answers, use black ink ball pen only. If 'B' is the correct answer in a case, mark as below:

7. Do not fold or make any stray marks on the OMR Answer Sheet.

8. You can use the blank space of the last page for rough work. Do not tear it off from the Question Booklet.

9. After the examination has been over, you must submit OMR Answer Sheet to the Invigilator.

10. OMR Answer Sheet is designed for computer evaluation. If you do not follow the instructions given above and shown in the OMR Answer Sheet, it may make evaluation by computer difficult. Any resultant loss to the candidate on the above account shall be of the candidate only.

11. No candidate shall be allowed to use Mobile phone. Log tables or Calculator of any description in the examination hall / room.

1. Conversion of protein to meta protein is controlled by
   (A) Breaking hydrogen bonds of helix
   (B) Breaking covalent bonds of folding
   (C) Breaking peptide bonds of peptide chain
   (D) Breaking electrostatic bonds of peptide chain

2. In translation process, number of high energy phosphate bonds require to incorporate single amino acid----
   (A) 1 (B) 2 (C) 3 (D) 4

3. To increase the physical performance of athelets, the important process is
   (A) Protein loading before final sports event
   (B) Glycogen loading before final sports event
   (C) Fat loading before final sports event
   (D) Mineral loading before final sports event

4. Which are the nutrients remain in stored for future in foetus
   (A) Vit-A and D (B) Vit-A and iron (C) Vit-D and calcium (D) Iron and calcium

5. Dietary fibre produce energy in our body at the level of
   (A) o Kcal /g (B) 1.0 Kcal/g (C) 2.0 Kcal/g (D) 3.0 Kcal/g

6. Which one belong to LAB group of bacteria
   (A) Klebsiella pneumonia
   (B) Staphylococcus aureus
   (C) Lactobacillus bulgaricus
   (D) Salmonella dublin

7. Which one is in correct sequence?
   (A) Information –Data—Message—Communication
   (B) Data—Information—Message—Communication
   (C) Information—Communication—Data—Message
   (D) Message—Information—Data—Communication

8. Due to undernutrition of lactating mother, the change noted in milk is
   (A) Quantity is decreased (B) Quality is decreased
   (C) Both A and B (D) Quality and quantity remain unchanged

9. The volume of air confined in alveoli and respiratory tract during normal breathing and does not participate in pulmonary ventilation is
   (A) Anatomical dead space volume (B) Physiological dead space volume
   (C) Tidal volume (D) Residual volume

10. DNA replication is going on in
    (A) 5' to 3' direction (B) 3' to 5' direction (C) Both A and B (D) 5' to 2' direction

11. Sauerkruat is fermented from
    (A) Wheat (B) Coffee beans (C) Cabbage (D) Soybeans

12. What is energy value of 100 ml of mother's milk
    (A) 45 Kcal (B) 55 Kcal (C) 65 Kcal (D) 75 Kcal

13. Which of the following is not true about dietary fat
    (A) Used to create cell membrane (B) Absorb fat soluble vitamins
    (C) Help the body to absorb calcium (D) Both A and C

14. There is damage to the walls of the alveoli (air sacs) in the lungs in
    (A) Emphysema (B) Bronchitis (C) Rhinitis (D) COPD

15. Which of the following method is known as commercial sterilization method?
(A) Pasteurization (B) Canning (C) Tyndallization (D) Irradiation

16. When is monomeric feeding adopted exclusively?
(A) Parenteral feeding (B) Enteral feeding (C) Oral feeding (D) Transitional feeding

17. Acid-Ash diet is formulated by using
(A) Fruits and vegetables mainly
(B) Dairy products mainly
(C) Fibrous product mainly
(D) Fish, meat and vegetable protein containing food item mainly

18. Calf circumference measurement in old days signifies the risk of
(A) Cardiovascular disorder (B) Diabetes
(C) Ketosis (D) Muscle degeneration

19. Which one is present in maximum amount in junk food
(A) Protein (B) Vitamin (C) Mineral (D) Calorie

20. Oedema noted in under nutrition child due to
(A) High level of plasma albumin (B) Low level of plasma albumin
(C) High level of plasma globulin (D) Low level of plasma globulin

21. Which of the following is considered as chemoorganoheterotroph?
(A) Algae (B) Cyanobacteria
(C) Purple non-sulfur bacteria (D) Fungi

22. Bacterial cells actively grow in
(A) Lag phase (B) Exponential phase (C) Dormant phase (D) Stationary phase

23. Diabetogenic hormone is/are
(A) Glucagon (B) Insulin (C) Epinephrin (D) Both A and C

24. Hexokinase deficiency is related with
(A) Haemolytic anaemia (B) Polycythemia Vera (C) Leucomia (D) Aplastic anaemia

25. Write the relation between RMR and BMR
(A) RMR = BMR (B) RMR=2 X BMR
(C) RMR is greater than 10 to 20 % of BMR (D) RMR is lesser than 10 to 20 % of BMR

26. Hidden hunger is known as
(A) Deficiency of macro nutrients for chronic period
(B) Deficiency of mictronutrients for chronic period
(C) Deficiency of macro and micronutrients for chronic period
(D) Deficiency of macronutrient for very short period

27. Double burden pregnancy known as
(A) Adult pregnancy (B) Abnormal pregnancy (C) Multiple pregnancy (D) Teen pregnancy

28. Aflatoxin is produced by
(A) Escherichia coli (B) HIV (C) Aspergillus flavus (D) Candida albicans

29. Which of the following virus causes food-borne disease?
(A) Cytomegalovirus (B) Rota virus (C) HIV (D) Nipah virus

30. Bland diet is
(A) Liquid diet
(B) Unable to irritate the stomach by chemically, mechanically and thermally
(C) Soft diet
(D) Balance diet or ideal diet

31. Insulin transmit signal mainly through
(A) Cyclic AMP pathway
(B) IP_3 pathway
(C) DAG pathway
(D) Tyrosine-kinase pathway

32. LBM stands for
(A) Low Body Mass
(B) Levelled Body Mass
(C) Lean Body Mass
(D) Lean Body Management

33. Write the full form of "RUTF"
(A) Recommended Up-grade Treatment for Feeding
(B) Ready to Use Therapeutic Food
(C) Recent Up-gradation for Treatment in Feeding
(D) Ready to Use Therapeutic Feeding

34. Which one is a short chain fatty acid
(A) Palmitic acid
(B) Stearic acid
(C) Propionic acid
(D) Docosahexaenoic acid

35. Lunasin is found in
(A) Tamarind (B) Soybean (C) Tomato (D) Grapes

36. Important sensors for growth assessment of embryo and foetus are
(A) Number of Somaties (B) CR and CH length (C) MUAC (D) Both A and B

37. For incorporation of one molecule of glucose in glycogen during glycogenesis, number of high energy phosphate bonds require
(A) 1 (B) 2 (C) 3 (D) 0 (Zero)

38. Collection of neural cell bodies inside CNS known as
(A) Nucleus (B) Plexsus (C) Ganglia (D) Both A and C

39. Purkinjee cells noted in
(A) Cerebral cortex (B) Hypothalamus (C) Cerebellam (D) Medulla oblongata

40. World Nutrition Day is
(A) 16th January (B) 16th September (C) 16th October (D) 16th March

41. When computed 't' value is greater than critical 't' value at the level of p 0.05 than
(A) $P < 0.05$ (B) $P > 0.05$ (C) $P \leq 0.05$ (D) $P \geq 0.05$

42. A balanced diet should provide _____% of energy from proteins
(A) 50-60 (B) 30-40 (C) 20-30 (D) 10-15

43. In human, digestion is known as
(A) Extracellular digestion
(B) Intracellular digestion
(C) Mainly extracellular and to some extent intracellular type
(D) Mainly intracellular and to some extent extra cellular type

44. Rennin activity in adult is executed by
(A) Pepsin (B) Chymotrypsin (C) Trypsin (D) Both A and B

45. In eyeball the correct sequence of layer from outside to inside is
(A) Sclera—Choroid—Retina
(B) Choroid—Sclera—Retina
(C) Retina—Sclera—Choroid
(D) Sclera—Retina—Choroid

46. Satiety centre is located at
(A) Thalamus
(B) Metathalamus
(C) Hypothalamus
(D) Epithalamus

47. A virus with RNA-dependent RNA polymerase
(A) synthesizes DNA from an RNA template.
(B) synthesizes double-stranded RNA from RNA template.
(C) synthesizes double-stranded RNA from DNA template.
(D) transcribes mRNA from DNA.

48. Which bonds are maximum in number in glycogen
(A) α-1,4 glycosidic bonds
(B) α-1,6 glycosidic bonds
(C) β-1,4 glycosidic bonds
(D) β-1,6 glycosidic bonds

49. HMP shunt linked with
(A) Energy production
(B) Steroid and Fat synthesis
(C) Nucleic acid synthesis
(D) Both B and C

50. Dairy, salmon and tofu are good sources of
(A) Potassium
(B) Zinc
(C) Calcium
(D) Starch