

THE UNIVERSITY OF CHENAB



Department of Allied Health Sciences
BSc. (Hons) Human Nutrition and Dietetics

Address: Adjacent Chenab Riverside, N-5 GT Road Gujrat

Contact No: +92- 053 111 243 622,

Web: www.uchenab.edu.pk

Email: admissions@uchenab.edu.pk

Program Offered Under Department of Allied Health Sciences	
Degree Name	Degree Details/Eligibility Criteria
BSc. (Hons) in Human Nutrition and Dietetics	The Bachelor of Science (Hons) in Human Nutrition and Dietetics is a four-year degree program comprising eight regular semesters and with a total of 134 credit hours. Eligibility for admission requires the successful completion of twelve years of education (e.g., F.Sc. Pre-Medical, A-Levels, or an equivalent) with a minimum of 50% marks.



Multiple Choice Questions

Biology (50 Questions)

1. In 1831, the presence of nucleus in the cells was reported by
.....
A. Robert Koch B. Robert Hooke C. Robert Mug Abe D. Robert Brown
2. The innate tendency of offspring to resemble their parents is known as
A. Heredity B. Horodisk C. Variation D. None
3. Ribosomes and DNA are also present in
A. Mitochondria B. Golgi complex C. Endoplasmic reticulum D. Lysosomes
4. Taking liquid material into the cells is known as.....
A. Phagocytosis B. Pinocytosis C. Exocytosis D. Both a and b
5. The process in which uncontrolled cell death, cell swelling, and inflammation occurs
is called
A. Apoptosis B. Necrosis C. Both a & b D. non-disjunction
6. The tumors which are of small size and localized are called
A. Benign B. Malignant C. Gentle D. Nasty
7. Anemia is caused by the deficiency of
A. Iron B. Zinc C. Calcium D. Sodium
8. Alzheimer's disease in human beings is characterized by the degeneration of
A. Brain cells B. Nerve cells C. Liver cells D. Spleen cells
9. Muscle fatigue is caused by the accumulation of
A. Uric acid B. Lactic acid C. Oxalacetic acid D. Fyruvie acid
10. Spinach leaves are rich source of
A. Amino acid B. Iron C. Vitamin E D. Carotene
11. is a scientific word for human beings.
A. Animals B. Homo sapiens C. Omnivore D. Consume
12. contains the green chemical called chlorophyll.
A. Cytoplasm B. Cell membrane C. Chloroplasts D. Vacuole
13. of the following organ is responsible for blood filtration.
A. Liver B. Kidney C. Lungs D. Heart



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14. End-product of hemoglobin break down is
- A. Creatinine B. Hypoxanthin C. Bilirubin D. Xanthin
15.of the following receptors produce sensation of pain.
- A. Mechanoreceptor B. Chemoreceptors C. Nociceptors D. Thermoreceptors
16. At what stage of aerobic respiration two carbon molecules oxidized completely to CO₂?
- A. Glycolysis B. ETC C. Krebs cycle D. Calvin cycle
17. Pyrimidine nitrogen bases include:
- A. (C, T, U) B. (A, C, T) C. (G, C, U) D. (A, G, T)
18. Enzymes are very... .. in nature.
- A. Specific B. General C. Precise D. Exact
19. is the name of enveloped RNA virus that causes infusion hepatitis.
- A. HBV B. HAV C. HCV D. None of these
20. Which of the following does not have specialized respiratory organs?
- A. Hydra B. Birds C. Cockroach D. Both A and B
21. Hummingbirds belong to.....category.
- A. Heterotherms B. Endotherms C. Ectotherm D. None of these.
22. When carbon dioxide pressure increases the capacity of haemoglobin to hold, oxygen:
- A. Increases many folds B. Decreases C. Remains constant D. Is doubled
23. The soluble part of the cytoplasm is termed as
- A. Cisternae B. Cytosol C. Endocytosis D. Both A and B
24. In general, asexual reproduction is common in
- A. Humans B. Basidiomycot C. Deuteromycota D. Basidiospores
25. The total inside capacity of lungs of adult human beings when fully inflated is.....
- A. 5 ml B. 50 ml C. 500 ml D. 5000 ml
26.of the following belong to collenchyma cells.
- A. Fibers B. Vessels C. Sclereides D. None of these
27. The site for synthesis and storage of rRNA is
- A. Nucleus B. Nucleolus C. Ribosome D. Golgi body
28. Most familiar disaccharide is
- A. Sucrose B. Maltose C. Cane-sugar D. Both a and b



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29. Starches give blue color with

- A. Formalin B. Water C. Iodine D. Alcohol

30. The amount of DNA is fixed for a particular species, as it depends on the number of

.....

- A. Cell divisions B. Cells C. Generations D. Chromosomes

31. 7-8 is the optimum pH value for.....

- A. Pancreatic lipase B. Arginase C. Chymotrypsin D. Salivary amylase

32. Induce Fit Model was proposed by

- A. Koch B. Koshland C. Newland D. Emil Fischer

33. of the following is a bacteriochlorophyll.

- A. Chlorophyll a B. Chlorophyll b C. Chlorophyll c D. None of these

34. cells control entry of CO₂ into the leaves.

- A. Subsidiary cell B. Epidermis C. Guard cell D. All of the others

35. Imperfect digestion is called

- A. Dyspepsia B. Botulism C. Food poisoning D. Bulimia nervosa

36. Robert Koch formulated the

- A. Cell theory B. Germ Theory of disease
C. Cohesion Tension Theory D. None

37. The scientist who studies fungi is called

- A. Mycologist B. Physiologist C. Phycologist D. Physician

38. Candidia albicans is the scientific name of

- A. Yeast B. Fungi C. Smut D. Rust

39. Poisonous mushrooms are called

- A. Truffles B. Puffballs C. Morels D. Toadschools

40. Active transport is due to

- A. Thermal diffusion B. Concentration C. Phagocytosis D. Atpase pumps

41. The tentative explanation is called

- A. Hypothesis B. Deduction C. Law D. Theory

42. The bond between two monosaccharides is called

- A. Covalent Bond B. Peptide Bond C. Glycosidic Bond D. Ionic Bond



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43. The excretory system is composed of
- A. Stomach B. Kidneys C. Gall Bladder D. Liver
44. Which one of the following is not a disaccharide.
- A. Glucose B. Fructose C. Levulose D. Maltose
45. A substance that inhibits blood clotting is
- A. Heparin B. Fibrin C. Fibrinogen D. Thrombin
49. Which blood cells are primarily responsible for the immune response?
- A. Red blood cells B. White blood cells C. Platelets D. Plasma
50. Which organelle is known as the powerhouse of the cell?
- A. Nucleus B. Mitochondria C. Ribosome D. Endoplasmic Reticulum

Chemistry (15 Questions)

51. Second ionization energy
- A. is always less than first ionization energy B. is always greater than first ionization energy
- C. is equal to the first ionization energy D. may be greater or less than the first ionization energy depending on the nature of the element
52. What is the freezing point of water?
- A. 0 °C B. -2 °C C. -4 °C D. None of above
53. Water is a universal solvent for what kind of reactions?
- A. Chemical B. Biochemical C. Physical D. Nuclear
54. The geometrical shape of CH₄ is
- A. Pyramidal B. Triangular C. Tetrahedral D. Cubic
55. Which of the following is a polar molecule:
- A. CO₂ B. BF₃ C. HCL D. CCl₄
56. Some covalent compounds are soluble in water because of:
- A. Hydrolysis B. Hydrogen bonding C. Hydration D. All of the others
57. Dipole moment is defined as:
- A. Charge x Displacement B. Bond energy x Charge
- C. Charge x Distance D. Charge x Debye



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58. The dipole moment of water is:

- A. 1.84 D B. 1.94 D C. 1.08 D D. 8.0 D

59. Entropy is a measure of.....system.

- A. Disorder B. Internal energy C. Input D. Efficiency

60. Which of the following is the lightest element?

- A. Oxygen B. Hydrogen C. Carbon D. Nitrogen

61. Which of the following element is a noble gas?

- A. Nitrogen B. Oxygen C. Helium D. Chlorine

62. Which of the following is an example of a chemical change?

- A. Melting of ice B. Boiling of water C. Rusting of iron D. Dissolving sugar in water

63. Which gas is produced when hydrochloric acid reacts with sodium bicarbonate?

- A. Oxygen B. Hydrogen C. Nitrogen D. Carbon dioxide

64. Which of the following is a chemical property of a substance?

- A. Color B. Boiling point C. Reactivity with acid D. Density

65. Hydrides are:

- A. Ionic B. Covalent C. Intermediate D. All of the above

Physics (15 Questions)

66. The SI unit of heat is

- A. Watt B. Volt C. Joule D. Newton

67. The branch of physics which deals with highly energetic ions is called

- A. Elementary particles B. Particle physics
C. Ionic physics D. Plasma physics



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68. Time rate of change of momentum is equal to
A. Force B. Impulse C. Velocity D. Both A and C
69. Electrical energy is measured in
A. Watt B. Horsepower C. Kilo watt D. Kilowatt hour
70. Second's pendulum is the pendulum whose time-period is
A. 1 Second B. 2 Second C. 3 Second D. None of These
71. The time-period of simple pendulum is independent of its
A. Length B. 2 Mass C. Value of g D. Both A and B
72. Light year is the unit of
A. Light B. Time C. Velocity D. Distance
73. Two forces of 10N and 7N respectively are acting to an object. The minimum value of their resultant is:
A. 0 N B. 10 N C. 7 N D. 3 N
74. The area under the curve of velocity-time graph gives:
A. Acceleration B. Velocity C. Distance D. Direction
75. The K.E of a body of mass 2 kg and momentum 2 N is:
A. 1 J B. 2 J C. 3 J D. 4 J
76. A straight line joining the centres of curvature of two surfaces is called
A. Principle axis B. Radius of lens C. Diameter of lens D. Principal focus
77. The unit of electric field strength is:
A. Volt B. Volt/meter C. Newton D. Coulomb
78. Which of the following devices converts mechanical energy into electrical energy?
A. Motor B. Generator C. Transformer D. Rectifier
79. Electric flux is
A. Cross product of two vectors B. Dot product of two vectors
C. Scalar quantity D. Vector quantity
80. The substance which breaks after the elastic limit is called.....
A. Brittle B. Organic
C. Ductile D. All the others

General Knowledge (10 Questions)

81. Pakistan is in the.....
A. East Asia B. West Asia C. South Asia D. Central Asia
82. From the following countries which country does not have any border with Pakistan?
A. India B. Afghanistan C. China D. Bangladesh



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83. K₂ is the second highest mountain in the world, and located along the border of Pakistan and
A. India B. Afghanistan C. China D. Iran
84. Derawar fort is in
A. Hyderabad B. Bahawalpur C. Lahore D. Skardu
85. National tree of Pakistan is:
A. Deodar Tree B. Neem Tree C. Silver Oak Tree D. Teak Tree
86. The planet with the shortest rotation time around its axis:
A. Jupiter B. Earth C. Mars D. Venus
87. Select the name of the National Bird of Pakistan.
A. Chakor B. Parrot C. Markhor D. Pigeon
88. Who prepared Pakistan's National Flag?
A. Liaquat Ali Khan B. Ameer ud din Qadwai
C. Chaudhary Rehmat Ali D. Abdur rehman Chughtai
89. Which one of the following is the national animal of Pakistan?
A. Tiger B. Lion C. Arabian horse D. Markhor
90. Which peak is in Karakorum Range?
A. Nanga Patbat B. Rakaposhi C. Takht-e-Sulaiman D. K-2

English (10 Questions)

91. Which sentence is correct grammatically?
A. She went to gym despite to her illness B. She went to gym despite her illness
C. She went to gym despite of her illness D. She went to gym despite in her illness
92. The earth.....round the sun.
A. move B. moves C. moved D. none of the above
93. What is the synonym of the word "Elated"?
A. Sad B. Angry C. Thrilled D. Confused
94. What is the synonym of the word "Obsolete"?
A. Modern B. Outdated C. Unnecessary D. Important
95. What is the antonym of the word "Despise"?
A. Hate B. Love C. Ignore D. Annoy
96. What is the antonym of the word "Vivid"?



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- A. Bright B. Clear C. Dull D. Lively

97. Choose the correct form of the verb to complete the sentence: "By the time we arrived, the movie"

- A. starts B. started C. had started D. is starting

98. Passive voice of "Mr. Jamal asked him a question" is:

- A. He was asked a question Mr. Kareem B. He was asked a question to Mr. Kareem
C. He was asked a question by Mr. Kareem D. A question was being asked by Mr. Kareem

99. Antonym of fallacious is

- A. Perfect B. Truthful C. Alarm D. Wrong

100. Synonym of negligent is

- A. Careless B. Turn C. Attentive D. Want