

# **BIOLOGY PART-I**

## **(OBJECTIVE PART)**

- (a) Wasp      (b) House fly      (c) Honey bee      (d) Mosquito
- 19. AIDS is caused by:**  
 (a) Fungi      (b) Bacteria      (c) Virus      (d) Algae
- 20. In biological control an aphid is being controlled by:**  
 (a) Honey bee      (b) Wasp      (c) Mosquito      (d) Dragon fly
- 21. The percentage of water in bacterial cell is about:**  
 (a) 15%      (b) 18%      (c) 50%      (d) 70%  
 2.3: Importance of Water
- 22. Human tissues have 85% water in cells of:**  
 (a) Brain      (b) Bone      (c) Blood      (d) Liver
- 23. The specific heat of vaporization of water is:**  
 (a) 457 kcal/kg      (b) 574 kcal/kg      (c) 547 kcal/kg      (d) 475 kcal/kg
- 24. The specific heat of vaporization of water in kcal/kg:**  
 (a) 457      (b) 574      (c) 547      (d) 475
- 25. The most abundant carbohydrates in nature is:**  
 (a) Starch      (b) Cellulose      (c) Glucose      (d) Maltose
- 26. Which one of following is not a polysaccharide?**  
 (a) Chitin      (b) Cutin      (c) Pectin      (d) Dextrin
- 27. The covalent bond between two monosaccharide's is called:**  
 (a) Peptide bond      (b) Glycosidic bond  
 (c) Hydrogen bond      (d) Ester bond
- 28. Monosaccharide which are rare in nature and occur in some bacteria is:**  
 (a) Trioses      (b) Tetroses      (c) Pentoses      (d) Hexoses
- 29. Glycogen gives colour with iodine:**  
 (a) Black      (b) Red      (c) Blue      (d) Green
- 30. The melting point of palmitic acid is:**  
 (a) -8°C      (b) 34°C      (c) 63.1°C      (d) 55.6°C
- 31. The most abundant organic compound in mammalian cell:**  
 (a) Water      (b) Proteins      (c) Carbohydrates      (d) Lipids
- 32. Keratin is an example of fibrous protein present in:**  
 (a) Nails and Hair      (b) Blood  
 (c) Muscles      (d) Bones
- 33. Peptide bond is a:**  
 (a) C-N link      (b) C-O link      (c) N-H link      (d) C-H link
- 34. In the  $\alpha$  – helix protein structure, each turn of the helix has amino acids.**  
 (a) 3.6      (b) 4.6      (c) 5.6      (d) 6.6
- 35. Which of the following is not a fibrous protein:**  
 (a) Keratin      (b) Myocin      (c) Fibrin      (d) Hormones
- 36. The percentage of ribosomal RNA in the cell is:**  
 (a) 4%      (b) 20%      (c) 50%      (d) 80%
- 37. Hydrogen bonds between adenine and thymine are:**  
 (a) Three      (b) Four      (c) Five      (d) Two
- 38. The Ribosomal RNA (rRNA) is synthesized and stored in the:**  
 (a) Golgi Complex      (b) Centriole  
 (c) Nucleolus      (d) Vacoule
- 39. Chemical nature of most cellular secretions is:**  
 (a) Proteins      (b) Lipids      (c) Glycoproteins      (d) Carbohydrates
- 40. If non-protein part is loosely attached to protein, it is known as:**  
 (a) Cofactor      (b) Coenzyme      (c) Holoenzyme      (d) Active site
- 41. The detachable cofactors of an enzyme is known as:**

- (a) Activator (b) Prosthetic group  
 (c) Coenzyme (d) Apo enzyme
- 42. Metal ions are related to:**  
 (a) Coenzymes (b) Vitamins (c) Cofactors (d) Substrate  
**(4 Time)**
- 43. If the non-protein part of enzyme is covalently bonded; it is called:**  
 (a) Co-factor (b) Activator (c) Co-enzyme (d) Prosthetic group  
**(4 Time)**
- 44. An activated enzyme consisting of a polypeptide chain and a cofactor is called:** (4 Time)  
 (a) Apoenzyme (b) Holoenzyme (c) Coenzyme (d) Both A & B
- 45. An enzyme with its co-enzyme or prosthetic group removed is designated as:** (3 Time)  
 (a) Holoenzyme (b) Apoenzyme (c) Coenzyme (d) Activator
- 46. The enzymes involved in cellular respiration are found in \_\_\_\_\_**  
 (a) Chloroplast (b) Ribosomes (c) Mitochondria (d) Gogibodies  
**(2 Time)**
- 47. Lock and key model was proposed by:**  
 (a) Koshland (b) Emil Fischer (c) Flemming (d) Watson  
**(3 Time)**
- 48. According to lock and key model, the active site is:**  
 (a) Soft structure (b) Flexible Structure  
 (c) Attractive Structure (d) Rigid Structure
- 49. Induced fit model was proposed by:** (2 Time)  
 (a) Emil Fischer (b) Koshland (c) Jenner (d) Pasteur
- 50. Optimum pH for the proper functioning of enzyme sucrase is:** (4 Time)  
 (a) 2.00 (b) 4.50 (c) 5.50 (d) 7.60
- 51. The optimum pH of salivary amylase is:** (3 Time)  
 (a) 2.80 (b) 4.80 (c) 6.80 (d) 8.80
- 52. The optimum pH of enzyme pepsin is:** (3 Time)  
 (a) 2 (b) 6.8 (c) 7 (d) 9
- 53. The enzyme with optimum pH=7.60 is:** (1 Time)  
 (a) Arginase (b) Enterokinase (c) Catalase (d) Sucrase
- 54. The optimum temperature of human body enzyme is:** (2 Time)  
 (a) 27°C (b) 37°C (c) 47°C (d) 57°C+
- 55. Optimum pH value for enzyme pepsin is:** (1 Time)  
 (a) 4.50 (b) 9.00 (c) 2.00 (d) 5.50
- 56. The optimum pH of catalase is:** (2 Time)  
 (a) 6.60 (b) 7.60 (c) 8.60 (d) 9.60
- 57. Optimum pH for action of pancreatic lipase is:**  
 (a) 3.00 (b) 5.00 (c) 7.00 (d) 9.00
- 58. The competitive inhibitors of succinic acid is:** (1 Time)  
 (a) Furmaic acid (b) Malonic acid  
 (c) Citric acid (d) Acetic acid
- 59. Poisons like cyanides, antibiotics and some drugs are examples of:** (1 Time)  
 (a) Enzymes (b) Co-enzymes (c) Inhibitors (d) Cofactors
- 60. Reversible inhibitors form weak linkage with:**  
 (a) Substrate (b) Product (c) Enzyme (d) Reactant  
**(1 Time)**
- 61. The resolution of naked eye is:** (1 Time)  
 (a) 1mm (b) 1um (c) 1nm (d) 1cm
- 62. Resolution power of a typical compound microscope is:** (1 Time)  
 (a) 300X (b) 1.0 $\mu$ m (c) 2.0 $\mu$ m (d) 2-4 Angstrom
- 63. Resolution of human naked eye is:**  
 (a) 162 (b) 262 (c) 252 (d) 152

64. Which is not found in primary wall?

- |                   |                   |
|-------------------|-------------------|
| (a) Cellulose     | (b) Hemicellulose |
| <b>(c) Lignin</b> | (d) Pectic        |

65. The process of taking in liquid material by cell membrane is called:

- |                        |                   |
|------------------------|-------------------|
| (a) Phagocytosis       | (b) Exocytosis    |
| <b>(c) Pinocytosis</b> | (d) Lymphocytosis |

66. The percentage lipids in plasma membrane is:

- |            |            |                   |            |
|------------|------------|-------------------|------------|
| (a) 60-80% | (b) 30-60% | <b>(c) 20-40%</b> | (d) 10-20% |
|------------|------------|-------------------|------------|

67. Cell membrane is chemically composed of proteins:

- |            |            |            |                   |
|------------|------------|------------|-------------------|
| (a) 10-20% | (b) 20-30% | (c) 40-50% | <b>(d)</b> 60-80% |
|------------|------------|------------|-------------------|

68. Cell wall is secreted by:

- |                       |                 |
|-----------------------|-----------------|
| <b>(a)</b> Protoplasm | (b) Nucleoplasm |
| (c) Golgi Complex     | (d) Ribosome    |

69. When cross-section of centriole is observed it shows as it consists of:

- |                           |                     |
|---------------------------|---------------------|
| <b>(a)</b> 9-microtubules | (b) 3-microtubules  |
| (c) 11- microtubules      | (d) 6- microtubules |

70. The soluble part of the cytoplasm is called:

- |            |         |                    |            |
|------------|---------|--------------------|------------|
| (a) Stroma | (b) Gel | <b>(c)</b> Cytosol | (d) Matrix |
|------------|---------|--------------------|------------|

71. Cisternae are associated with:

- |               |                  |
|---------------|------------------|
| <b>(a)</b> ER | (b) Mitochondria |
| (c) Nucleus   | (d) Chloroplast  |

72. Harmful substances are detoxified in the liver cells by:

- |                   |                        |
|-------------------|------------------------|
| (a) Mitochondria  | <b>(b)</b> Endoplasmic |
| (c) Golgi Complex | (d) Nucleolus          |

73. A structure found attached to membranes in cell. It consists of 2 parts. Name it.

- |                     |                     |
|---------------------|---------------------|
| (a) Golgi Apparatus | (b) Mitochondria    |
| (c) Lysosome        | <b>(d)</b> Ribosome |

74. A group of ribosome attached to mRNA is known as: **(1 Time)**

- |              |                |                     |                |
|--------------|----------------|---------------------|----------------|
| (a) Lysosome | (b) Peroxisome | <b>(c)</b> Polysome | (d) Glyoxisome |
|--------------|----------------|---------------------|----------------|

75. The attachment of two sub fibrous protein in:

- |               |                      |              |               |
|---------------|----------------------|--------------|---------------|
| (a) $Ca^{+2}$ | <b>(b)</b> $Mg^{+2}$ | (c) $K^{+2}$ | (d) $Fe^{2+}$ |
|---------------|----------------------|--------------|---------------|

76. Proteins are synthesized by:

- |              |                |              |                     |
|--------------|----------------|--------------|---------------------|
| (a) Polysome | (b) Nucelosome | (c) Lysosome | <b>(d)</b> Ribosome |
|--------------|----------------|--------------|---------------------|

77. The factory of ribosome is the: **(1 Time)**

- |         |         |         |                |
|---------|---------|---------|----------------|
| (a) 30S | (b) 50S | (c) 70S | <b>(d)</b> 80S |
|---------|---------|---------|----------------|

78. Eukaryotic ribosomes are composed of almost equal amount of:

- |                            |                           |
|----------------------------|---------------------------|
| <b>(a)</b> RNA and Protein | (b) DNA and Protein       |
| (c) RNA and Lipid          | (d) RNA and Carbohydrates |

79. Most of the cell secretions are in nature.

- |              |            |                   |                          |
|--------------|------------|-------------------|--------------------------|
| (a) Proteins | (b) Lipids | (c) Carbohydrates | <b>(d)</b> Glycoproteins |
|--------------|------------|-------------------|--------------------------|

80. Gogi apparatus is concerned with cell:

- |              |           |                      |             |
|--------------|-----------|----------------------|-------------|
| (a) Division | (b) Lysis | <b>(c)</b> Secretion | (d) Storage |
|--------------|-----------|----------------------|-------------|

81. Tay-Sach's disease is because of absence of an enzyme. That is involved in catabolism of: **(1 Time)**

- |                     |                      |
|---------------------|----------------------|
| (a) Polysaccharides | (b) Oligosaccharides |
| (c) Proteins        | <b>(d)</b> Lipids    |

82. Tay-Sach's disease results due to accumulation, in brains cells of: **(1 Time)**

- |                    |             |              |                   |
|--------------------|-------------|--------------|-------------------|
| (a) $Mg^{+2}$ Ions | (b) Glucose | (c) Proteins | <b>(d)</b> Lipids |
|--------------------|-------------|--------------|-------------------|

83. De Duve discovered cell organelle:

- |                  |                     |              |                   |
|------------------|---------------------|--------------|-------------------|
| (a) Mitochondria | <b>(b)</b> Lysosome | (c) Plastids | (d) Golgi Complex |
|------------------|---------------------|--------------|-------------------|

84. The diameter of peroxisome is approximately:

- (a)  $0.2\mu m$  (b)  $0.3\mu m$  (c)  $0.4\mu m$  (d)  $0.5\mu m$

**85. Glyoxosomes are most abundant in:**

- (a) Human blood (b) Plant seedlings (c) Liver cells (d) Microorganisms

**86. What is not true about microfilaments?**

- |              |  |
|--------------|--|
| (a) Actin    | (b) Amoeboid movement                            |
| (c) Cyclosis | (d) Linked with outer surface of plasma membrane |

**87. The protein present in microtubules is:**

- |           |              |             |                 |
|-----------|--------------|-------------|-----------------|
| (a) Actin | (b) Tetroses | (c) Tubulin | (d) Tropomyosin |
|-----------|--------------|-------------|-----------------|

**88. Cyclosis and amoeboid movements are because of:**

- |                            |                    |
|----------------------------|--------------------|
| (a) Microtubules           | (b) Microfilaments |
| (c) Intermediate filaments | (d) None of these  |

**89. Infolding of inner membrane of mitochondria are called as:** (2 Time)

- |               |             |            |               |
|---------------|-------------|------------|---------------|
| (a) Cisternae | (b) Cristae | (c) Granum | (d) Thylakoid |
|---------------|-------------|------------|---------------|

**90. Cristae are found in:**

- |                           |                  |
|---------------------------|------------------|
| (a) Golgi complex         | (b) Chloroplast  |
| (c) Endoplasmic reticulum | (d) Mitochondria |

**91. Which one of the following cellular organelles is called power house of the cell?**

- |                  |                  |
|------------------|------------------|
| (a) Chloroplast  | (b) Mitochondria |
| (c) Golgi bodies | (d) Lysosomes    |

**92. Chromoplast impart colours to the plants other than:**

- |            |         |           |          |
|------------|---------|-----------|----------|
| (a) Yellow | (b) Red | (c) Green | (d) Blue |
|------------|---------|-----------|----------|

**93. Stroma is a fluid in the chloroplast:**

- |                |            |            |                 |
|----------------|------------|------------|-----------------|
| (a) Thylakoids | (b) Matrix | (c) Granum | (d) Intergranal |
|----------------|------------|------------|-----------------|

**94. Plastids are only found in:**

- |              |             |                |                 |
|--------------|-------------|----------------|-----------------|
| (a) Bacteria | (b) Viruses | (c) Plant Cell | (d) Animal Cell |
|--------------|-------------|----------------|-----------------|

**95. The fluid that surrounds the Thylakoid is called:** (2 Time)

- |            |            |            |               |
|------------|------------|------------|---------------|
| (a) Matrix | (b) Stroma | (c) Medium | (d) Cytoplasm |
|------------|------------|------------|---------------|

**96. Robert Brown reported the presence of:**

- |              |               |                  |             |
|--------------|---------------|------------------|-------------|
| (a) Lysosome | (b) Ribosomes | (c) Mitochondria | (d) Nucleus |
|--------------|---------------|------------------|-------------|

**97. Eukaryotes have pores per nucleus:**

- |          |            |            |            |
|----------|------------|------------|------------|
| (a) 3000 | (b) 30,000 | (c) 6 or 8 | (d) 3 or 4 |
|----------|------------|------------|------------|

**98. The number of pores in nuclear membrane of erythrocyte is:**

- |              |              |              |            |
|--------------|--------------|--------------|------------|
| (a) 03 or 04 | (b) 02 or 03 | (c) 05 or 06 | (d) 30,000 |
|--------------|--------------|--------------|------------|

**99. Organelle found in both prokaryotic and eukaryotic cells:**

- |               |                  |                  |               |
|---------------|------------------|------------------|---------------|
| (a) Ribosomes | (b) Mitochondria | (c) Chloroplasts | (d) Lysosomes |
|---------------|------------------|------------------|---------------|

**100. Closely related classes are grouped into:**

- |              |           |            |             |
|--------------|-----------|------------|-------------|
| (a) Division | (b) Order | (c) Family | (d) Kingdom |
|--------------|-----------|------------|-------------|

**101. Initially, the classification was based on:**

- |              |                |                |                      |
|--------------|----------------|----------------|----------------------|
| (a) Cytology | (b) Physiology | (c) Morphology | (d) Genetic features |
|--------------|----------------|----------------|----------------------|

**102. Binomial nomenclature system was given by:**

- |             |             |            |              |
|-------------|-------------|------------|--------------|
| (a) Pasteur | (b) De Duve | (c) Lamark | (d) Linnaeus |
|-------------|-------------|------------|--------------|

**103. Binomial system of nomenclature was devised by:**

- |                      |                      |
|----------------------|----------------------|
| (a) E·Chatton        | (b) Ernst Hackle     |
| (c) Robert Whittaker | (d) Carious Linneaus |

**104. The common name for Solanum melangena is:** (1 Time)

- |            |             |           |            |
|------------|-------------|-----------|------------|
| (a) Potato | (b) Tobacco | (c) Onion | (d) Tomato |
|------------|-------------|-----------|------------|

**105. The smallest known viruses contain RNA in spherical capsid are the:** (1 Time)

- |                    |                       |
|--------------------|-----------------------|
| (a) Polio Viruses  | (b) Pox Viruses       |
| (c) Herpes Viruses | (d) Influenza Viruses |

**106. The common name of Allium cepa is:** (1 Time)

- (a) Piyaz      (b) Bathu      (c) Channa      (d) Potato

**107. Solanum tuberosum is the scientific name of:**

- (a) Onion      (b) Tomato      (c) Potato      (d) Garlic

**(5 Time)**

**108. Organelle of symbiotic origin is:**

- (a) Cell Wall      (b) Cell membrane  
(c) Mitochondria      (d) Vacuole

**109. In five kingdom system, Eukaryotic multicellular reduces are placed in kingdom:**

- (a) Monera      (b) Protista      (c) Fungi      (d) Animalia

**(4 Time)**

**110. The number of capsomeres in capsid of adenovirus are:**

- (a) 152      (b) 252      (c) 352      (d) 452

**(3 Time)**

**111. Madcow disease is caused by:**

- (a) Bacteria      (b) Fungus      (c) Prions      (d) Virion

**(2 Time)**

**112. The number of capsomeres present in herpes virus capsid is:**

- (a) 252 Capsomers      (b) 162 Capsomers  
(c) 250 Capsomers      (d) 100 Capsomers

**113. The size of Parvovirus is:**

- (a) 100 nm      (b) 20 nm      (c) 250 nm      (d) 75 nm

**114. Capsomeres are subunits which form capsid of a virion. These capsomeres are chemically:**

- (a) Lipids      (b) Nucleic acids  
(c) Carbohydrate      (d) Proteins

**115. Lytic cycle completion occurs about:**

- (a) 15 min      (b) 25 min      (c) 35 min      (d) 5 min

**(1 Time)**

**116. Paramyxoviruses cause the disease:**

- (a) Influenza      (b) Polio  
(c) Mumps & Measles      (d) Herpes Simple

**117. Influenza viruses are:**

- (a) DNA naked      (b) DNA enveloped  
(c) RNA enveloped      (d) RNA naked

**(2 Time)**

**118. A disease, which is highly contagious is:**

- (a) Measles      (b) Mumps      (c) Influenza      (d) Herpes

**(1 Time)**

**119. Which of the following viral disease is caused by DNA virus?**

- (a) Herpes simplex      (b) Influenza  
(c) Mumps      (d) Polio

**120. Which one of the following viral disease is caused by RNA virus?**

- (a) Small pox      (b) Influenza      (c) Poliomyelitis      (d) Mumps

**121. HIV belongs to the group of viruses called:**

- (a) Pox viruses      (b) DNA viruses  
(c) Retrovirus      (d) Bacteriophage

**122. The single standard RNA tumor viruses are:**

- (a) Spherical      (b) Elongated      (c) Spiral      (d) Cubical

**123. Hepatitis "B" is also called:**

- (a) Delta Hepatitis      (b) Infectious Hepatitis  
(c) Infusion Hepatitis      (d) Serum Hepatitis

**124. Hepatitis is an inflammation of:**

- (a) Stomach      (b) Pancreas      (c) Liver      (d) Kidney

**(1 Time)**

**125. Hepatitis C is caused by virus:**

- (a) DNA non enveloped      (b) DNA enveloped  
(c) RNA non enveloped      (d) RNA enveloped

**126. Germ theory of disease was formulated by:**

- (a) Robert Koch      (b) Louis Pasteur

(c) Edward

(d) Christian Gram

(1 Time)

**127. Cell Wall is absent in:**

(a) E. Coli

(b) Mycoplasma

(c) Vibrio

(d) Spirochete

(1 Time)

**128. Curved or comma shaped bacteria are called:**

(a) Vibrio

(b) Spirillum

(c) Spirochetes

(d) Bacilli

**129. Oval shaped bacteria are:**

(a) Spirilla

(b) Vibrio

(c) Coccii

(d) Bacilli

**130. A bacteria with single polar flagellum is called:**

(a) Atrichous

(b) Monotrichous

(c) Lophotrichous

(d)

Amphitrichous

(2 Time)

**131. Pili are made up of special protein called:**

(a) Pilin

(b) Flagellin

(c) Tubulin

(d) Myosin

(5 Time)

**132. Bacteria without any flagella are called:**

(a) Flagellate

(b) Atrichous

(c) Tubulin

(d) Myosin

**133. Rod shaped bacteria are called:**

(a) Coccii

(b) Bacilli

(c) Spirilla

(d) Vibrio

(2 Time)

**134. These are smallest and without cell wall:**

(a) Mycoplasma

(b) Pseudomonas

(c) Spirochete

(d) E-Coli

**135. Cell wall of gram positive bacteria is stained:**

(a) Pink

(b) Red

(c) Green

(d) Purple

**136. When flagella surround the whole cell of bacteria, it is termed as:**

(a) Atrichous

(b) Lophotrichous

(c) Amphitrichous

(d) Peritrichous

**137. In bacteria when the division is three planes it will produce which arrangement:**

(a) Streptococcus

(b) Tetrad

(c) Sarcina

(d) Diplococcus

**138. Which is an aerobic bacterium?**

(a) E.Coli

(b) Spirochete

(c) Campylobacter

(d) Pseudomonas

**139. Spirochete is a bacterium:**

(a) Aerobic

(b) Anaerobic

(c) Facultative

(5 Time)

Microaerophilic

**140. Asexual reproduction in bacteria occurs by:**

(a) Conjugation

(b) Transduction

(c) Transformation

(d) Binary Fission

**141. Rapid phase of growth of Bacteria is:**

(a) Lag phase

(b) Log phase

(c) Stationary phase

(d) Decline phase

**142. Conjugation in bacteria is promoted by the structure:**

(a) Flagella

(b) Pili

(c) Cilia

(d) Spores

**143. The thick walled reproductive cell of cyanobacteria are called:**

(a) Heterocyst

(b) Trichome

(c) Hormogonia

(d) Akinete

**144. Reserved food material in cyanobacteria is in the form of:**

(7 Time)

(a) Sucrose

(b) Starch

(c) Glycogen

(d) Proteins

**145. All of the following are related to Nostoc except:**

(a) Trichome

(b) Slimy covering

(c) Branched filaments

(d) Heterocyst

**146. Which of the following is not present protists?**

(a) Flagella

(b) Embryo

(c) Cilia

(d) None of these

**147. Trypanosoma is an example of:**

(2 Time)

(a) Actinopods

(b) Zooflagellates

(c) Apicomplexans

(d) Ciliates

- 148. Tests of for a minifera, are made up of:** (5 Time)  
 (a) Silica      (b) Calcium      (c) Chitin      (d) Magnesium
- 149. An outer flexible covering of ciliates is:** (2 Time)  
 (a) Cell wall      (b) Pellicle      (c) Sheath      (d) Cuticle
- 150. The protozoans having two kinds of nuclei:** (1 Time)  
 (a) Amoeba      (b) Zooflagellates  
 (c) Ciliates      (d) Actinopods
- 151. African sleeping sickness is transmitted by:** (9 Time)  
 (a) Tse-tse      (b) Mosquito  
 (c) Trypanosoma      (d) Trichonymphas
- 152. The sexual process is exhibited by most cities by:** (1 Time)  
 (a) Binary fission      (b) Budding  
 (c) Conjugation      (d) Fertilization
- 153. Sleeping sickness is spread by:** (1 Time)  
 (a) Tse-tse fly      (b) Trypanosoma      (c) Mosquito      (d) Plasmodium
- 154. Amoebas move and obtain food by means of:**  
 (a) Cilia      (b) Flagella      (c) Plasmodium      (d) Psedopodia
- 155. Entamoeba histolytical causes amoebic:** (1 Time)  
 (a) Cholera      (b) Fever      (c) Dysentery      (d) Migraine
- 156. Pelomyxapalustiris is commonly called:**  
 (a) Entamoeba      (b) Trypanosoma  
 (c) Trichonympha      (d) Giant amoeba
- 157. Based on molecular data Euglenoids are thought to be closely related to:**  
 (a) Brown algae      (b) Zooflagellates  
 (c) Green algae      (d) Diatoms
- 158. Algae having shells composed of two halves that fit together like petridish belongs to:** (1 Time)  
 (a) Diatoms      (b) Foraminifera      (c) Actinopoda      (d) Slime molds
- 159. Diatoms belong to phylum:** (1 Time)  
 (a) Rhophyta      (b) Phaeophyta  
 (c) Chrysophyta      (d) Pyrrophyta
- 160. Ceratium belongs to group of algae called:** (1 Time)  
 (a) Diatoms      (b) Red algae      (c) Brown algae      (d) Dinoflagellates
- 161. Algae which take part in building coral reefs along with coral animals are:**  
 (a) Red algae      (b) Brown algae      (c) Green algae      (d) Diatoms
- 162. Cell wall of oomycotes contain mostly:**  
 (a) Chitin      (b) Cellulose      (c) Glycan      (d) Peptin
- 163. Euglenoids are thought to be closely related to:**  
 (a) Zooflagellates      (b) Dinoflagellates  
 (c) Diatoms      (d) Brown algae
- 164. Slime mold feeding state is:** (4 Time)  
 (a) Blasto syle      (b) Sporozoites  
 (c) Gastrozoid      (d) Plasmodium
- 165. Kelps, the largest known algae belong to group:**  
 (a) Brown      (b) Red      (c) Green      (d) Euglenoid
- 166. Example of soil dwelling carnivorous fungus is:** (2 Time)  
 (a) Arthrobotrys      (b) Armilaria  
 (c) Pleurotus      (d) Pencillium
- 167. Most of the visible part of lichen is:** (2 Time)  
 (a) Fungi      (b) Algae      (c) Bacteria      (d) Roots
- 168. Which one is an example of foliose lichens:** (1 Time)

- (a) Ramalina (b) Bacidia (c) Lecanora (d) **Permelia**

**169.** In fungi spores are produced inside the reproductive structure called:

- (a) Conidia (b) Sporangia (c) Basidia (d) Ascocarps

**170.** Sexual reproduction is absent in:

- |                   |                   |
|-------------------|-------------------|
| (a) Deuteromycota | (b) Zygomycota    |
| (c) Ascomycota    | (d) Basidiomycota |

**171.** All fungal nuclei are haploid except for transient diploid.

- (a) Spores (b) Zygote (c) Conidia (d) Zygospores

**172.** The most common fungi are:

- |              |                 |
|--------------|-----------------|
| (a) Ustilago | (b) Gymnosperms |
| (c) Mosses   | (d) Angiosperms |

**173.** The most common rust fungi are:

- (a) Ustilago (b) Puccinia (c) Penicillium (d) Yeast

**174.** Yeasts are unicellular:

- (a) Protozoans (b) Algae (c) Fungi (d) Bacteria

**175.** Loose smut of wheat is caused by the following fungi:

- (a) Puccinia (b) Penicillium (c) Aspergillus (d) Ustilago

**176.** Colour of spores of smuts is:

- (a) Penicillium (b) Rhizopus (c) Pilobolus (d) Mushrooms

**177.** Lovastain is used for lowering blood.

- (a) Pressure (b) Glucose (c) Cholesterol (d) Neraspora

**178.** Reindeer moss used as food for reindeer is:

- (a) Moss (b) Lichen (c) Mold (d) Club fungi

**179.** Poisonous mushrooms are called:

- (a) Truffles (b) Morels (c) Agaricus (d) Toadstools

**180.** Lovastatin is fungal product which lowers blood:

- (a) Sugar (b) Cholesterol (c) Urea (d) Calcium

**181.** Histoplasmosis is:

- |                   |                    |
|-------------------|--------------------|
| (a) Heart disease | (b) Kidney disease |
| (c) Lung disease  | (d) Skin disease   |

**182.** Rust disease is caused by:

- (a) Puccinia (b) Ustilago (c) Rhizopus (d) Yeast

**183.** Ustilago species are most common:

- (a) Rust fungi (b) Smut fungi (c) Mold (d) Yeast

**184.** A haploid spermatozoid fuses with haploid egg to produce diploid:

- (a) Oospore (b) Ossphere (c) Spore (d) Gamete

**185.** Lycopidae are commonly called:

- (a) Whisk fern (b) Horse tails (c) Club mosses (d) Hornworts

**186.** Horsetail belongs to subdivision:

- (a) Lycopidae (b) Psilopsida (c) Sphenopsida (d) Pleropsida

**187.** The plant of sphenopsida is also called as:

- (a) Angiosperms (b) Gymbosperms (c) Mosses (d) Arthropophytes

**188.** Vascular plants belonging to subdivision sphenopsida are commonly called:

- (a) Whisk ferns (b) Club mosses (c) Horsetails (d) Ferns

**189.** The rhizome in adiantum is protect by:

- (a) Ramenta (b) Fronds (c) Stipe (d) Stomium

**190.** Small leaves having a single undivided vein are called:

- (a) Microphylls (b) Megaphylls (c) Neutrophylls (d) Heterophylls

**191.** Which of the following were the first plants that formed true leaves and roots? (2 Time)

- (a) Microphylls (b) Megaphylls (c) Neutrophylls (d) Ferns

**192. Technically seed may be defined as a fertilized:**

- (a) Egg      (b) Oospore      (c) Ovule      (d) Both A & C  
**(1 Time)**

**193. All seed producing plants are called:**

- (a) Bryophytes      (b) Pteridophyte      (c) Tracheophytes      (d) Spermatophytes

**194. In Spermatophytes, seed is formed from:**

- (a) Ovule      (b) Ovary      (c) Anther      (d) Embryosac

**195. Among gymnosperms taxus plant is commonly called as:**

- (a) Sago palm      (b) pine      (c) deodar      (d) yew

**196. Which of the following is modified leaf?**

- (a) Tendril      (b) Thorn      (c) Flower      (d) Both Band C

**197. Female gametophyte in flowering plants is:**

- (a) Ovary      (b) Archegonium      (c) Seed      (d) Embryo Sac

**198. Apple and pear belongs to plant family:**

- (a) Solanaceae      (b) Fabaceae      (c) Poaceae      (d) Rosaceae

**199. Pulse producing plants are belonging to the family:**

- (a) Rosaceae      (b) Solanaceae      (c) Fabaceae      (d) Poaceae

**200. The common name of Solanum melangena:**

- (a) Onion      (b) Brinjal      (c) Potato      (d) Amaltas

**201. The integumentary and nervous system are developed from:**

- (a) Endoderm      (b) Mesoderm      (c) Ectocerm      (d) Mesoglea

**202. Pseudocoelom is present in:**

- (a) Cnidaria      (b) Flat worm      (c) Round worms      (d) Earth worms

**203. Pseudocoelom is characteristics feature of:**

- (a) Aschelaminthes (Nematoda)      (b) Annelida  
 (c) Mollusca      (d) Porifera

**204. Portuguese man of war is the name used for:**

- (a) Physalia      (b) Obelia      (c) Hydra      (d) Aurelia

**205. In mollusca, a blue respiratory pigment is present called:**

- (a) Haemoglobin      (b) Haemoerythrin  
 (c) Prothrombin      (d) Haemocyanin

**206. An example of beautiful and delicate sponge called Venus flower basket is:**

- (a) Sycon      (b) Leucoselenia      (c) Euplectella      (d) Spngilla

**207. The pores by which the water leaves the body of sponges are called:**

- (a) Ostia      (b) Mouth      (c) Anus      (d) Osculum

**208. The pores by which water enters in the body of sponge is called:**

- (a) Osculum      (b) Ostia      (c) Mouth      (d) Spongocoel

**209. Polymorphism is a characteristic of members of phylum:**

- (a) Porifera      (b) Cnidaria      (c) Annelida      (d) Arthropoda

**210. Sea Urchin belongs to phylum:**

- (a) Coelenterata      (b) Porifera      (c) Nematoda      (d) Arthropoda

**211. In phylum coelenterate special cells cnidocytes give size to:**

- (a) NaCO      (b) CaCO<sub>3</sub>      (c) NaOH      (d) Ca(OH)<sub>2</sub>

**212. The polyp is reduced and medusa is dominant in:**

- (a) Actinia      (b) Madreporite      (c) Aurelia      (d) Oblelia

**213. The member of coelenterate commonly called Portuguese man of war is \_\_\_\_\_**

**(2 Time)**

- (a) Nephron      (b) Nephridia      (c) Flame cells      (d) Ganglia

**214. Flame cells are excretory cells in:**

- (a) Flatworms      (b) Segmented worms  
 (c) Round worms      (d) Anseets

**215. Dugesia is a free-living flatworm with a ciliate outer surface. It is commonly known as:**

**(2 Time)**

- (a) Tape worm (b) Liver flake (c) Blood fluke (d) Planaria (2 Time)
- 216. Common name for Ancylostoma duodenale is:** (a) Pin worm (b) Tape worm (c) Earth worm (d) Hook worm (2 Time)
- 217. The body cavity of Nematoda is:** (a) Blastocoel (b) Pseudocoelom (c) Coelom (d) Haemocoel (2 Time)
- 218. A free swimming trochophore larva is produced during the life cycle of:** (a) Coelenterate (b) Ponifera (c) Annelida (d) Arthropods (1 Time)
- 219. Neries belongs to class:** (a) Sponges (b) Annelids (c) Nephron (d) Malpighian tubule (1 Time)
- 220. Metamerically Segmented animals are belonging to the:** (a) Annelids (b) Cnidarians (c) Molluscus (d) Echinoderms (3 Time)
- 221. Aquatic Arthropods respire through:** (a) Lungs (b) Skin (c) Gills (d) Spiracles (1 Time)
- 222. Excretory system in arthropods is composed of:** (a) Kidney (b) Nephridia (c) Flame cells (d) Malpighian tubules (2 Time)
- 223. Loligo is an animal of phylum mollusca which is commonly called:** (a) Slug (b) Garden snail (c) Oyster (d) Squid (1 Time)
- 224. In mollusks, a respiratory pigment of blue colour is present called:** (a) Haemoglobin (b) Haemoerydhin (c) Haemocyanin (d) None of these (1 Time)
- 225. Garden snails belongs to class:** (a) Gastropoda (b) Cephalopoda (c) Pelecypoda (d) Drthropoda (1 Time)
- 226. The larva found in echinoderms is:** (a) Trochophore (b) Veliger (c) Bipinnaria (d) Planaria (2 Time)
- 227. Animals of which phylum have developed bilateral system in their larvae and radial:** (a) Nematoda (b) Annelida (c) Mollusca (d) Echinodermata (1 Time)
- 228. The presence of notochord is the character of:** (a) Arthropoda (b) Mollusea (c) Nematoda (d) Chordata
- 229. The largest invertebrates is:** (a) Earth worm (b) Star fish (c) giant squid (d) Ascarus
- 230. Examples of tunicate is:** (a) Amphioxus (b) Molgula (c) Amphibia (d) Reptilia
- 231. Ancient fish that have developed lungs are called:** (a) Dipnoi (b) Asterias (c) Thaliacea (d) Leptocardii (5 Time)
- 232. Voice organs of birds:** (a) Larynx (b) Pharynx (c) Syrinx (d) Vocal cords (1 Time)
- 233. Syrinx is an organ of voice in:** (a) Amphibians (b) Birds (c) Reptiles (d) Mammals
- 234. The sub class that has not primitive mammals is:** (a) Eoartotheria (b) Methatheria (c) Eutheria (d) None of these
- 235. Mammals become dominant in:** (a) Paleozoic period (b) Mesozoic period (c) Coenozoic period (d) Proterozoic period (2 Time)
- 236. Kangaroo belongs to sub class:** (a) Metahteria (b) Prototheria (c) Eutheria (d) Reptilia (2 Time)
- 237. Dolphin is:** (a) Fish (b) Bird (c) Mammal (d) Amphibian
- 238. Quantitative study of energy relationship in biological system is called:** (4 Times)

- (a) Bioenergetics (b) Biosynthesis  
 (c) Biodegradation (d) Biotechnology

**239. Oxygen released during photosynthesis comes from:**

- (a) Water (b) Carbon Dioxide  
 (c) Nitrates (d) Glucose

**240. A kind of chemical link between anabolism and catabolism.** (2 Times)

- (a) Protein (b) Glucose (c) ATP (d) None of these

**241. Van Niel hypothesis carried out by terrestrial plants is about:**

- (a) 10 (b) 20 (c) 30 (d) 40

**242. Van Niel hypothesized that source of oxygen during photosynthesis is:**

- (a) Water (b) Carbon Dioxide  
 (c) Chlorophyll (d) NADP

**243. The air space in leaf may comprise up to \_\_\_\_\_ of the total volume of a leaf:**

- (a) 80% (b) 60% (c) 40% (d) 20

**244. One of the accessory photosynthetic pigments carotenes are mostly:** (1 Times)

- (a) Red to Orange (b) Yellow to Orange  
 (c) Green to Yellow (d) Orange to Red

**245. One of the following is not an accessory pigment:**

- (a) Chlorophyll "a" (b) Carotenes  
 (c) Xanthophyll (d) Chlorophyll "b"

**246. Molecular formula for chlorophyll "b" is:** (4 Times)

- (a)  $C_{55}H_{72}O_5N_4Mg$  (b)  $C_{55}H_{70}O_6N_4Mg$   
 (c)  $C_{55}H_{70}O_5N_4Mg$  (d)  $C_{55}H_{70}O_6N_6Mg$

**247. Chlorophylls are insoluble in:**

- (a) Alcohol (b) Acetone  
 (c) Water (d) Carbon Tetrachloride

**248. Magnesium of chlorophyll is replaced in hemoglobin by:** (2 Times)

- (a) Calcium (b) Potassium (c) Iron (d) Phosphorus

**249. The carotenes are mostly red to:**

- (a) Blue (b) Yellow (c) Orange (d) Green

**250. Carbon Dioxide enters the leaves through:**

- (a) Epidermis (b) Cuticle (c) Airspace (d) Stomata

**251. Photosystem II has the form of chlorophyll a which absorb best light of:**

- (a) 670 nm (b) 680 nm (c) 690 nm (d) 700 nm

**252. The light falling on leaf surface is absorbed about:**

- (a) 1% (b) 25% (c) 50% (d) 100%

**253. Chlorophyll 'a' of photosystem I absorbs maximum light of:** (1 Times)

- (a) Low CO<sub>2</sub> (b) Low O<sub>2</sub> (c) Low ATP (d) Low NADPH

**254. The dark reaction occurs in:**

- (a) Cytosol (b) Chloroplast (c) Stroma (d) Grana

**255. In the citric acid cycle acetyl CoA reacts with oxaloacetates of from:** (5 Times)

- (a) Pyruvate (b) Citrate (c) NADH (d) ATP

**256. The breaking of terminal phosphate of ATP release energy of about:**

- (a) 4.5 Kcal (b) 6.5 Kcal (c) 3.7 Kcal (d) 7.3 Kcal

**257. The amount of glucose into ATP during anaerobic respiration is:**

- (a) 1% (b) 2% (c) 3% (d) 4%

**258. The final product of glycolysis by is:** (1 Times)

- (a) Citrate (b) Pyruvate (c) Molate (d) Fumarate

**259. Pyruvic acid is the end product of:**

- (a) Glycolysis (b) Krebs Cycle (c) ETC Cycle (d) Calvin Cycle

260. From one pyruvate passing through Krebs cycle how many FADH<sub>2</sub> molecules are formed? (1 Times)
- (a) 01 (b) 02 (c) 03 (d) 04
261. The first step of krebs cycle is union of acetyl Co-A with oxaloacetate to form: (3 Times)
- (a) Isocitrate (b)  $\alpha$ -ketoglutarate (c) Citrate (d) Malate
262. In respiratory chain NADH is oxidized by: (3 Times)
- (a) Cytochrome-b (b) Oxygen (c) Coenzyme-Q (d) H<sub>2</sub>O
263. Magnesium is an important nutrient ion in green plant as it is an essential component of: (3 Times)
- (a) Cell sap (b) Protein (c) Chlorophyll (d) Glucose
264. Carnivorous plants live in soils that are deficient in: (3 Times)
- (a) Potassium (b) Oxygen (c) Nitrogen (d) Magnesium
265. Certain types of whales are also: (1 Times)
- (a) Detritivore (b) Fluid feeders (c) Omnivores (d) Filter feeders
266. In Cockroach the partially digested food is stored in: (1 Times)
- (a) Rectum (b) Gizzard (c) Crop (d) Colon
267. The partly digested food in cockroach is temporarily stored in: (1 Times)
- (a) Crop (b) Gizzard (c) Rectum (d) Stomach
268. Tentacles is a characteristics of: (1 Times)
- (a) Hydra (b) Snail (c) Amoeba (d) Euglena
269. Taste buds of tongue play important role in food: (1 Times)
- (a) Digestion (b) Selection (c) Lubrication (d) Mastication
270. Pepsin is secreted by: (1 Time)
- (a) Mucous cell (b) Zymogen cell (c) Parietal cell (d) Oxyntic cell
271. Muscles of stomach are of which type: (1 Time)
- (a) Skeletal (b) Smooth (c) Cardiac (d) Voluntary
272. The carbohydrate digesting enzyme in parcreatic juice is: (1 Time)
- (a) Lipase (b) Amylase (c) Erypsin (d) Trypsin
273. Dipeptides are broken down into amino acids by: (1 Time)
- (a) Erypsin (b) Pepsin (c) Trypsin (d) Lipase
274. Hepatic and pancreatic secretions in man are stimulated by: (1 Time)
- (a) Gastrin (b) Secretin (c) ADH (d) Adrenaline
275. The length of Duodenum of human is about: (1 Time)
- (a) 15-20cm (b) 20-25cm (c) 30-35cm (d) 10-15cm
276. If bile pigments are accumulated in blood condition is known as: (1 Time)
- (a) Gall stone (b) Jaundice (c) Pyrosis (d) Heart Pang
277. Emulsification is the function of: (1 Time)
- (a) Bile (b) Lipase (c) Amylase (d) Protease
278. Excess gastric secretion is an important factor for: (1 Time)
- (a) Water (b) Food (c) Blood (d) Oxygen
279. Water is more viscous than air: (1 Time)
- (a) 10 Times (b) 20 Times (c) 50 Times (d) 100 Times
280. During photorespiration, glycine is converted into serine in the: (4 Times)
- (a) Mitochondria (b) Ribosome (c) Golgi Bodies (d) Chloroplast
281. Spiracles are found in: (1 Time)
- (a) Fish (b) Cockroach (c) Leech (d) Earthworm
282. Number of spiracles in Cockroach is: (2 Times)

- (a) 10 (b) 10 Pairs (c) 08 Pairs (d) 06 Pairs  
**283. Lungs of birds have thin walled ducts called:**  
 (a) Alveoli (b) Trachea (c) Bronchi (d) Parabronchi **(1 Time)**
- 284. Parabronchi are present only in the lungs:**  
 (a) Man (b) Frog (c) Cat (d) Birds **(2 Times)**
- 285. Blood is not involved in transport of gases in:**  
 (a) Frog (b) Cockroach (c) Earthworm (d) Man **(2 Times)**
- 286. Pleura is double layered thin membrane that covers:**  
 (a) Heart (b) Liver (c) Lungs (d) Kidneys
- 287. Which one is the structure of respiratory system of man?**  
 (a) Esophagus (b) Larynx (c) Syrinx (d) Duodenum
- 288. Lungs are covered by double layered thin membranous Sacs called:**  
 (a) Pleura (b) Air sacs (c) Larynx (d) Diaphragm
- 289. Which help in voice production when vibrated by air?**  
 (a) Spinal cord (b) Vocal Cord (c) Trachea (d) Bronchi
- 290. Why hemoglobin is 98% saturated, the oxygen content per 100ml of blood is:**  
 (a) 19.6ml (b) 18.6ml (c) 17.6ml (d) 16.6ml
- 291. Emphysema is a disease caused by the breakdown of:**  
 (a) Lungs (b) Trachea (c) Bronchi (d) Alveoli **(1 Time)**
- 292. Asthma is associated with sever paroxysm of difficult:**  
 (a) Sleeping (b) Speaking (c) Walking (d) Breathing
- 293. How many molecules of oxygen can bind with a molecule of myoglobin**  
 (a) 04 (b) 03 (c) 02 (d) 01
- 294. The volume of air taken inside the lungs and expelled during exercise is about:** **(3 Times)**  
 (a) 2.5 Liters (b) 3.5 Liters (c) 1.5 Liters (d) 4.5 Liters
- 295. Total inside capacity of Lungs is about:**  
 (a) 1.5L (b) 3.5L (c) 4L (d) 5L
- 296. Casparyn strips are present in the cells of root.** **(11 Times)**  
 (a) Endodermis (b) Epidermis (c) Cortex (d) Pith
- 297. The maximum depth of roots of Prosopis is:**  
 (a) 40m (b) 50m (c) 60m (d) 70m
- 298. The dew drops on the tip of the grass leaves involves the phenomenon:**  
 (a) Imbibition (b) Bleeding (c) Guttation (d) Transpiration pull
- 299. The loss of water through Hydathodes in leaves is called:** **(6 Times)**  
 (a) Transpiration (b) Bleeding (c) Guttation (d) Imbibitions
- 300. The volume of dry seed may increase up to 200 times after absorbing water by:** **(2 Times)**  
 (a) Diffusion (b) Imbibitions (c) Osmosis (d) Guttation
- 301. The structures involved in guttation are:** **(1 Time)**  
 (a) Lenticels (b) Hydathodes (c) Stomata (d) Cuticle
- 302. Cuticular transpiration takes places at:** **(1 Time)**  
 (a) Morning (b) Noon (c) Evening (d) Night
- 303. The ions involved in the opening and closing of stomata are:** **(2 Times)**  
 (a) Sodium (b) Calcium (c) Potassium (d) Magnesium
- 304. Transpiration takes place through cuticle is about:** **(2 Times)**  
 (a) 5-7% (b) 6-7% (c) 5-6% (d) 2-5%
- 305. The pressure flow theory was first proposed in 1930 by:** **(1 Time)**  
 (a) Ernst Hackel (b) Ernst Munch (c) Hemming (d) Dixon
- 306. Open circulatory system is present in:**  
 (a) Man (b) Cockroach (c) Earthworm (d) Leach

(9 Time)

**307. Single Circuit heart is found in:**

- (a) Birds      (b) Fishes      (c) Reptiles      (d) Mammals

**308. The left systemic arch disappears in:**

- (a) Mammals      (b) Fish      (c) Reptiles      (d) Birds

**309. The plasma proteins constitute percent by weight of plasma:**

- (a) 7-9%      (b) 9-11%      (c) 11-13%      (d) 13-15%

**310. Normal pH of human blood is:**

- (a) 4.4      (b) 5.4      (c) 6.4      (d) 7.4

(7 Time)

**311. Platelets are fragments of large cells called:**

- (a) Microeryocytes      (b) Erythrocytes  
 (c) Megaleryocytes      (d) Leucocytes

(2 Time)

**312. In the embryonic life red blood cells are formed in the:**

- (a) Bone marrow and vertebrae      (b) Liver and spleen  
 (c) Heart and bone marrow      (d) Sternum and Ribs

(2 Time)

**313. A substance that inhibits blood clotting is:**

- (a) Heparin      (b) Fibrinogen      (c) Fibrin      (d) Thrombin

(5 Time)

**314. Antiserum is a serum containing:**

- (a) Hormones      (b) Antigen      (c) Enzyme      (d) Antibodies

(1 Time)

**315. The uncontrolled production of white blood cells result in:**

- (a) Leukaemia      (b) Thalassaemia  
 (c) Oedema      (d) Asthma

(1 Time)

**316. The renal vein brings the impure blood form:**

- (a) Brain      (b) Kidney      (c) Lungs      (d) Liver

(4 Time)

**317. One complete heart beat consist of one systole and one diastole, and last for about:**

- (a) 0.2 sec      (b) 2 sec      (c) 0.8 sec      (d) 1.0 sec

(4 Time)

**318. The valves present in the veins are:**

- (a) Bicuspid      (b) Tricuspid      (c) Semi lunar      (d) Aortic

(2 Time)

**319. Discharge of Blood from Blood vessel is called as:**

- (a) Stroke      (b) Heart attack  
 (c) Thrombosis      (d) Hemorrhage

(4 Time)

**320. A condition of high blood pressure is known as:**

- (a) Hypertension      (b) Hemorrhage  
 (c) Hypotension      (d) Arteriosclerosis

(4 Time)

**321. Which is found in herestitial fluid?**

- (a) Large Proteins      (b) White Blood Cells  
 (c) Red Blood Cells      (d) Platelets

## (SUBJECTIVE PART)

### SECTION-I

#### SHORT QUESTIONS (SQs)

1. What is Biochemistry? Give its importance.
2. Define Metabolism and name its two processes.
3. What is heat capacity of water? Give its importance.