

PAPER CODE = 6465

Note : Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

1-1	A respiratory pigment of blue in color called haemocyanin is present in animals of which phylum : (A) Porifera (B) Coelentrata (C) Mollusca (D) Arthropoda
2	In bacteria when the division is in three planes it will produce which arrangement : (A) Streptococcus (B) Tetrad (C) Sarcina (D) Diplococcus
3	As a result of energy conversion during light dependant reaction, reducing and assimilatory power is formed in the form of : (A) NADP (B) ADP (C) NAD (D) NADPH ₂ and ATP
4	Water makes how much percent of total cell weight in bacterial cell : (A) 40% (B) 50% (C) 60% (D) 70%
5	In myocardial infarction, which organ is affected : (A) Lungs (B) Eye (C) Kidney (D) Heart
6	Nuclear fusion in basidium is followed by : (A) Meiosis (B) Mitosis (C) Budding (D) Binary fission
7	One micrometer (μm) is equal to : (A) 1×10^{-6} of a meter (B) 1×10^{-7} of a meter (C) 1×10^{-8} of a meter (D) 1×10^{-9} of a meter
8	Zoogeography is study of distribution of what in nature : (A) Animals (B) Plants (C) Trees (D) Zoos
9	Shark liver oil is used in medicine as a source of vitamins : (A) A and B (B) A and C (C) A and D (D) A and E
10	Oxygen diffuses how many times more quickly in air than in water : (A) 8 times (B) 80 times (C) 800 times (D) 8000 times
11	Which is included in non-vascular plants : (A) Hornworts (B) Whisk ferns (C) Club mosses (D) Horse tails
12	The major cell infected by HIV is : (A) B-lymphocytes (B) Neutrophils (C) Helper T-lymphocytes (D) Basophils
13	It is a third mechanism to defend the body against the foreign invaders is : (A) Skin (B) Mucous membranes (C) Phagocytes (D) Immune system
14	Trypanosoma is transmitted by the bite of infected : (A) Mosquito (B) Dragon fly (C) House fly (D) Tsetse fly
15	An activated enzyme consisting of polypeptide chain and a cofactor is known as : (A) Holoenzyme (B) Apoenzyme (C) Alloenzyme (D) Co-enzyme
16	Which of the following is related to phytol : (A) $\text{C}_{20}\text{H}_{39}$ (B) $\text{C}_{39}\text{H}_{20}$ (C) $\text{C}_{22}\text{H}_{40}$ (D) $\text{C}_{40}\text{H}_{22}$
17	Incomplete or imperfect digestion is called : (A) Ulcer (B) Obesity (C) Dyspepsia (D) Botulism