

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** First of all, the concept of metabolism was given by:
 (A) Ibn-e-Nafees (B) Emil Fisher
 (C) Winhelm Kuhne (D) Jabir Bin Hayan
- 2** During which phase of mitosis spindle fibres are formed?
 (A) Metaphase (B) G2 Phase
 (C) Prophase (D) Interphase
- 3** The basic unit of classification is:
 (A) Species (B) Genus
 (C) Family (D) Class
- 4** Fluid-mosaic model explains the structure of:
 (A) Cell membrane (B) Cell wall
 (C) Plastids (D) Nucleus
- 5** The normal pH of blood is:
 (A) 5.2 (B) 6.2
 (C) 7.4 (D) 8.4
- 6** _____ bioelement, has the highest percentage in protoplasm:
 (A) Hydrogen (B) Nitrogen
 (C) Carbon (D) Oxygen
- 7** The first step in solving a biological problem is:
 (A) Experimentation (B) Deductions
 (C) To take observations
 (D) Formulation of hypothesis
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- 8** The thin extensions of the inner mitochondrial membrane are:
 (A) Stroma (B) Thylakoids
 (C) Matrix (D) Cristae
- 9** Stomata cover _____ of the leaf surface:
 (A) 3 - 4% (B) 4 - 5%
 (C) 2 - 3% (D) 1 - 2%
- 10** Night blindness is caused by the deficiency of:
 (A) Vitamin K (B) Vitamin A
 (C) Vitamin D (D) Vitamin C
- 11** The microscopic study of tissues is called:
 (A) Cell biology (B) Histology
 (C) Physiology (D) Morphology
- 12** The cell cycle consists of _____ major phases:
 (A) 3 (B) 2
 (C) 5 (D) 4