



# BIOLOGY

## BOOKS - TRUEMAN BIOLOGY

### NCERT Exemplar Questions +1 (CELL: THE UNIT OF LIFE)

#### Mcqs

1. A common characteristic feature of plant sieve tube cells and most of mammalian

erythrocytes is

- A. absence of mitochondria
- B. presence of cell wall
- C. presence of haemoglobin
- D. absence of nucleus

**Answer: a**



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2. Select one which is not true for ribosome

A. Made of two sub units

B. Form polysome

C. May attach to m-RNA

D. Have no role in protein synthesis

**Answer: d**



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**3. Which one of these is not a eukaryote ?**

A. 1)Euglena

B. 2)Anabaena

C. 3)Spirogyra

D. 4)Agaricus

**Answer: b**



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**4. Which of the following dyes is best suited for staining chromosomes**

A. Basic Fuchsin

B. Safranin

C. Methylene blue

D. Carmine

**Answer: d**



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5. Different cells have different sizes. Arrange the following cells in an ascending order of their size. Choose the correct option among the followings

i. Mycoplasma, ii. Ostrich eggs

iii. Human RBC, iv. Bacteria

A. i, iv, iii & ii

B. i, ii, iii & iv

C. ii, i, iii & iv

D. iii, ii, i & iv

**Answer: a**



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6. Which of the following features is common to prokaryotes and many eukaryotes

- A. Chromosomes present
- B. Cell wall present
- C. Nuclear membrane present
- D. Sub cellular organelles present

**Answer: b**



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7. Who proposed the fluid mosaic model of plasma membrane ?

A. Camillo Golgi

B. Schleiden and Schwann

C. Singer and Nicolson

D. Robert Brown

**Answer: c**



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8. Which of the following options is true for a secretory cell ?

A. Golgi apparatus is absent

B. Rough Endoplasmic Reticulum (RER) is easily observed in the cell

C. Only Smooth Endoplasmic Reticulum (SER) is present

D. Secretory granules are formed in nucleus.

**Answer: b**



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**9. What is a tonoplast**

- A. Outer membrane of mitochondria
- B. Inner membrane of -chloroplast
- C. Membrane binding the vacuole of plant cells
- D. Cell membrane of a plant cell

**Answer: c**



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**10.** Which of the following is not true of a eukaryotic cell

A. It has 80S type of ribosome present in

the mitochondria

B. It has 80S type of ribosome present in

the cytoplasm

C. Mitochondria contain circular DNA

D. Membrane bound organelles are present

**Answer: a**



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**11.** Which of the following statements is not true for plasma membrane

A. It is present in both plant and animal cell

B. Lipid is present as a bilayer in it

C. Proteins are present integrated as well

as loosely associated with the lipid

bilayer

D. Carbohydrates is never found in it

**Answer: d**



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12. Plastid differs from mitochondria on the basis of one of the following features. Mark the right answer

- A. Presence of two layers of membrane
- B. Presence of ribosome
- C. Presence of chlorophyll
- D. Presence of DNA

**Answer: c**



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**13.** Which of the following is not a function of cytoskeleton in a cell ?

A. Intracellular transport

B. Maintenance of cell shape and structure

C. Support of the organelle

D. Cell motility

**Answer: a**



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14. The stain used to visualise mitochondria is

A. Fast green

B. Safranin

C. Aceto carmine

D. Janus green

**Answer: d**



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