



# BIOLOGY

## BOOKS - TRUEMAN'S BIOLOGY (ENGLISH)

### NEET - 2013 (CYTOLOGY)

#### Mcqs

1. The complex formed by a pair of synapsed homologous chromosomes is called

A. Bivalent

B. Axoneme

C. Equatorial plate

D. Kinetochore

**Answer: 1**



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**2. The Golgi complex plays a major role**

A. as energy transferring organelles

- B. in post translational modification of proteins and glycosidation of lipids
- C. in trapping the light and transforming it into chemical energy
- D. in digesting proteins and carbohydrates

**Answer: 2**



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**3.** The essential chemical components of many coenzymes are

A. Carbohydrates

B. Vitamins

C. Proteins

D. Nucleic acids

**Answer: 2**



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4. Macro molecule chitin is:

- A. Sulphur containing polysaccharide
- B. simple polysaccharide
- C. nitrogen containing polysaccharide
- D. phosphorus containing polysaccharide

**Answer: 3**



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5. A stage in cell division is shown in the figure. Select the answer which gives correct identification of the stage with its characteristics



A. Cytokinesis      Cell plate formed

mitochondria distributed between two

daughter cells

B. Telophase      Endoplasmic reticulum and

nucleus not reformed yet

C. Telephase Nuclear envelop reforms ,

golggii complex reforms

D. Late anaphase Chromosomes move away

from equatorial plate glogi complex not

present

**Answer: 3**



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6. Which one of the following organelle in the figure correctly matches with its function?



A. Golgi apparatus , formation of glycolipids

B. Rough endoplasmic reticulum protein synthesis

C. Rough endoplasmic reticulum , formation of glycoprotein

D. Golgi apparatus , protein synthesis



**Answer: 2**



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7. A phosphoglyceride is always made up of

A. a saturated or unsaturated fatty acid

esterified to a glycerol molecule to which

a phosphate group is also attached

B. a saturated or unsaturated fatty acid

esterified to a phosphate group which is

also attached to a glycerol molecule

C. only a saturated fatty acid esterified to a glycerol molecule to which a phosphate group is also attached

D. only an unsaturated fatty acid esterified to a glycerol molecule to which a phosphate group is also attached

**Answer: 1**



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**8.** A major site for synthesis of lipids is

A. Symplast

B. Nucleoplasm

C. RER

D. SER

**Answer: 4**



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9. Pigment-containing membranous extensions in some cyanobacteria are

A. Pneumatophores

B. Chromatophores

C. Heterocysts

D. Basal bodies

**Answer: 2**



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**10.** Transition state structure of the substrate formed during an enzymatic reaction is

- A. transient and unstable
- B. permanent and stable
- C. transient but stable
- D. permanent but unstable

**Answer: 1**



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