

EXAMPLES OF TASKS FOR COMPUTER TESTING ON BIOLOGY

Select one correct answer

1. REPLICATION IS CHARACTERISTIC FOR MOLECULE OF

- 1)DNA
- 2)RNA
- 3)protein
- 4)carbohydrates

2.THE CHEMICAL COMPOSITIONS OF THE CHROMOSOMES ARE

- 1)protein and DNA
- 2)protein and ATP
- 3)DNA and ATP
- 4)protein and RNA

3. THE GIRL WILL BORN WHEN THE SET OF CHROMOSOMES IN ZYGOTE IS

- 1)44 autosomes + XY
- 2)23 autosomes + X
- 3)44 autosomes + XX
- 4)23 autosomes + Y

4. IF BOTH MOTHER AND FATHER ARE ALBINO (aa) THEN

- 1)all their children will be albino
- 2)50% of children will be albino
- 3)75% of children will be albino
- 4)all children will be healthy

5.HOMOLOGOUS ORGANS

- 1)have the same structure
- 2)produce a different gamete
- 3)produce the same gametes
- 4)form similar zygotes

6.A MULTICELLULAR ORGANISM DEVELOPS FROM A ZYGOTE DUE TO

- 1)gametogenesis
- 2)phylogeny
- 3)meiosis
- 4)mitosis

7.COMBINATIVE MUTATION OCCURES DUE TO

- 1)changing of genes
- 2)chromosomal mutation
- 3)matrix synthesis of DNA
- 4)crossing over

8.FACTOR MOST FAVORABLE FOR LIFE OF AN ORGANISM, CALLED

- 1) optimal
- 2)norm of reaction
- 3) tolerance
- 4)limiting

9.METABOLIC REACTIONS IN CELLS MAY NOT HAPPEN WITHOUT PARTICIPATION OF

- 1) hemoglobin
- 2) hormones
- 3)enzymes
- 4) pigments

10.THE PRIMARY FUNCTION OF A LEAF IS

- 1)water evaporation for cooling
- 2)photosynthesis
- 3)provide shade to the shoot and root structures of the plant
- 4)transpiration

Choose three correct answers

1. MAMMALS UNLIKE REPTILES HAVE

- 1)hair covering
- 2)three-chambered heart
- 3)sweat glands
- 4) placental development
- 5) dry skin
- 6) volatile body temperature

2. FEATURES OF PHOTOSYNTHESIS

- 1) occurs in chloroplasts
- 2) consists of light and dark phases
- 3) pyruvic acid is formed
- 4) occurs in the cytoplasm
- 5) glucose is final product-
- 6) glucose breakdown

3. BACTERIA IN ECOSYSTEMS ARE REDUCERS BECAUSE OF THEY

- 1) convert organisms into minerals
- 2) provide a closed cycle of matter and energy
- 3) have microscopic dimensions
- 4) used by animals as food
- 5) form inorganic substances releasing them into the soil
- 6) multicellular eukaryotic organisms

4. BILE IN THE HUMAN BODY

- 1) converts the toxic substances to a harmless form
- 2) activates pancreatic juice enzymes
- 3) splits fats into small droplets
- 4) contains enzymes that break down fats, carbohydrates and proteins
- 5) stimulates intestinal motility
- 6) provides water absorption

5. IN THE PROCESS OF OVOGENESIS

- 1) one large sexual cell is formed
- 2) reduced bodies are formed
- 3) many small gametes are formed
- 4) nutrients stored in one cell
- 5) mobile gametes are formed
- 6) there is 4 periods