



VIDYA BHARATI SCHOOL
OLYMPIAD WORKSHEET: August 2017
GRADE: VIII
SUBJECT: SCIENCE

1. Wild buffalo is an endangered species because
 - (a) its population is diminishing
 - (b) it has become extinct
 - (c) it is found exclusively in a particular area
 - (d) its poaching is strictly prohibited
2. Which one of the following changes may occur due to desertification?
 - (a) Decrease in atmospheric temperature.
 - (b) Increase in water holding capacity of soil.
 - (c) Increased chances of floods.
 - (d) Conversion of fertile land into a desert.
3. Which one of the following statements is true about a Biosphere Reserve?
 - (a) It is a protected area where only endemic species live.
 - (b) It is meant only for the conservation of plants and animals.
 - (c) It is meant to conserve both, the biodiversity and the culture of that area.
 - (d) There are no other protected areas within its limits
4. Which one of the following statements is true about endemic species?
 - (a) They are found exclusively in a specific habitat.
 - (b) Endemic species can never become endangered.
 - (c) They are found only in zoos and botanical gardens.
 - (d) They are not affected by the destruction of their habitat.
5. Which of the following feature is correct for a wildlife sanctuary?
 - (a) It is an artificially created protected area for animals.
 - (b) It is a protected area for threatened and endangered wild animals.
 - (c) It is meant for conservation of only plant species.
 - (d) Capturing and poaching of animals is strictly prohibited here.
6. Which statement is incorrect about endangered species?
 - (a) Their number has decreased drastically.
 - (b) They might become extinct in the near future.
 - (c) They pose a danger to other animals.
 - (d) Their natural habitat needs to be protected.
7. What do black buck, elephant, python and golden cat together represent in a forest?
 - (a) fauna
 - (b) flora
 - (c) ecosystem
 - (d) species
8. The Red Data Book keeps a record of all the
 - (i) endemic species.

- (ii) extinct species.
 - (iii) endangered plants.
 - (iv) endangered animals.
 - (a) ii & iii;
 - (b) i & ii;
 - (c) i & iv
 - (d) ii & iv.
9. Migratory birds fly to far away areas during a particular time of a year. Which of the following conditions present in their habitat during that time are responsible for this behaviour?
- (i) Unavailability of food.
 - (ii) Extreme weather conditions.
 - (iii) Over crowding.
 - (iv) Lack of nesting areas.
 - (a) ii & iii;
 - (b) i & ii;
 - (c) i & iv
 - (d) ii & iv.
10. In our country, large patches of forests are being cleared for cultivation of crops. The environmental impact of such a practice will lead to
- (a) soil erosion
 - (b) soil conservation
 - (c) soil pollution
 - (d) soil fertility
- 11 The place meant for conservation of biodiversity in their natural habitat are
- (i) Zoological garden
 - (ii) Botanical garden
 - (iii) Wildlife sanctuary
 - (iv) National park
- (a) i & ii;
 - (b) ii & iii;
 - (c) iii & iv;
 - (d) i & iv
- 12 Choose the correct statement with respect to unicellular organisms:
- (a) in unicellular organisms, tissues work in co-ordination to perform different functions.
 - (b) unicellular organisms do not require food.
 - (c) unicellular organisms respire and reproduce.
 - (d) all unicellular organisms move by cilia.

13 Majority of cells cannot be seen directly with our naked eyes because:

- (a) organisms are generally unicellular
- (b) cells are microscopic
- (c) cells are present only inside the body
- (d) cells are grouped into tissues

14 Read the different combinations of terms given below:

- (a) cell wall, cell membrane, nucleus, plastid
- (b) cell wall, nucleus, ribosome, chromosome
- (c) cell membrane, mitochondria, ribosome, chromosome
- (d) cell membrane, ribosome, mitochondria, chloroplast.

The correct combination of terms with reference to an animal cell is _____.

15 Which one of the following term is not a part of the nucleus?

- (a) ribosome
- (b) nucleolus
- (c) chromosome
- (d) gene

16 A suitable term for the various components of cells is

- (a) tissue
- (b) cell organelles
- (c) chromosomes
- (d) genes

17 The jelly-like fluid substance present in cells is called

- (a) protoplasm
- (b) chromosome
- (c) chloroplast
- (d) cytoplasm

18 Read the following pairs of examples of organisms:

- (a) moss and sponge
- (b) yeast and Amoeba
- (c) bacteria and blue-green alga
- (d) penicillium and Spirogyra

The pair that belongs to the group prokaryotes is _____

19 Read the following terms and select the pair that is related to inheritance of characters.

- (a) cell wall and cell membrane
- (b) chromosome and mitochondria
- (c) chloroplast and cell membrane
- (d) chromosome and genes

20 Choose the correct statement:

- (a) Genes are located in the chromosomes.
- (b) Cell is located in the nucleus.
- (c) Chromosomes are located in the nucleolus.
- (d) Cell membrane surrounds the nucleus.

*For more practice material please click:

**www.brilliant.org;www.sofolympiadtrainer.com;
www.olympiadhelper.com**

