



GROWTH AND ENVIRONMENTAL PHYSIOLOGY

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1. The layer from which bone is developed during prenatal life is
 - a. Ectoderm
 - b. Mesoderm
 - c. Endoderm
 - d. Epiderm
2. Lungs and kidneys are examples of
 - a. Static organ
 - b. Expanding organ
 - c. Renewing organs
 - d. None of the above
3. The point of inflection of growth curve usually follows soon after the attainment of
 - a. Maturity
 - b. Puberty
 - c. Both a and b
 - d. None of the above
4. Epinephrine increases the mitotic inhibition in the epidermis in the presence of
 - a. Promine
 - b. Chalone
 - c. Retine
 - d. All of the above
5. Which of the following formula is the most common for measuring body weight in cattle and buffaloes?
 - a. Shaffer's formula
 - b. Minnesota formula
 - c. Mullick's formula
 - d. Agarwal's modified Shaffer's formula
6. Which of the following formula is widely used for measuring body weight in Indian cattle?
 - a. Shaffer's formula
 - b. Minnesota formula
 - c. Mullick's formula
 - d. Agarwal's modified Shaffer's formula
7. When physiological processes repeat more or less at a constant interval the phenomenon is known as
 - a. Circadian rhythm
 - b. Diurnal rhythm
 - c. Biological rhythm
 - d. All of the above
8. The long term average conditions of meteorological variable of at least 30 years are known as
 - a. Weather
 - b. Climate
 - c. Macroclimate
 - d. Microclimate
9. The microclimate refers to
 - a. Climate of least space
 - b. Climate in the immediate vicinity of animal
 - c. Climate in large space
 - d. Both a and b
10. Sweat glands are absent in
 - a. Whales
 - b. Rodents
 - c. Birds
 - d. All of the above
11. Bioclimatology refers to the interrelation among
 - a. Photoperiod, rainfall, animal and soil
 - b. Climate, plant, animal and soil
 - c. Temperature, plant, animal and soil
 - d. Wind velocity, day length, animal and soil
12. Hygrometer is used to measure the
 - a. Temperature
 - b. Humidity
 - c. Wind velocity
 - d. Rainfall
13. Smaller sized breeds of a given species are found in warm parts of the ecological regions whereas large-sized breeds in cooler regions are best defined by which rule?
 - a. Allen's rule
 - b. Wilson's rule
 - c. Bergmann's rule
 - d. Gloger's rule
14. That protruding body organs are relatively shorter in cooler parts of the ecological range of the species than in the warmer areas, is best defined by which rule?
 - a. Gloger's Rule
 - b. Wilson's Rule
 - c. Allen's rule
 - d. Bergman's rule
15. The study of animal behaviour in their natural habitat is known as
 - a. Synecology
 - b. Autecology
 - c. Ethology
 - d. Ecology
16. Gular flutter is a thermoregulatory behaviour found in
 - a. Birds
 - b. Reptiles
 - c. Mammals
 - d. Amphibians
17. The social rank order is called peck order in
 - a. Bovine
 - b. Canine
 - c. Swine
 - d. Chickens
18. Which of the following is insensible heat loss?
 - a. Sweating + Conduction
 - b. Panting + Convection
 - c. Sweating + Panting
 - d. None of the above

Answers:

1. (b) 2. (b) 3. (b) 4. (b) 5. (a) 6. (d) 7. (a) 8. (b)
 9. (d) 10. (d) 11. (b) 12. (b) 13. (c) 14. (c) 15. (c) 16. (a)
 17. (d) 18. (c)

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