















**126.** Out of 'X' pairs of ribs in humans only 'Y' pairs are true ribs. Select the option that correctly represents values of X and Y and provides their explanation:

- (1) X = 12, Y = 5 True ribs are attached dorsally to vertebral column and sternum on the two ends.
- (2) X = 24, Y = 7 True ribs are dorsally attached to vertebral column but are free on ventral side.
- (3) X = 24, Y = 12 True ribs are dorsally attached to vertebral column but are free on ventral side.
- (4) X = 12, Y = 7 True ribs are attached dorsally to vertebral column and ventrally to the sternum.

**Ans. (4)**

**127.** In case of poriferans, the spongocoel is lined with flagellated cells called:

- (1) oscula  
(2) choanocytes  
(3) mesenchymal cells  
(4) ostia

**Ans. (2)**

**128.** Which one of the following statements is not valid for aerosols ?

- (1) They alter rainfall and monsoon patterns  
(2) They cause increased agricultural productivity  
(3) They have negative impact on agricultural land  
(4) They are harmful to human health

**Ans. (2)**

**129.** A baby boy aged two years is admitted to play school and passes through a dental check - up. The dentist observed that the boy had twenty teeth. Which teeth were absent?

- (1) Canines  
(2) Pre-molars  
(3) Molars  
(4) Incisors

**Ans. (2)**

**130.** Select the mismatch

- (1) *Cycas* – Dioecious  
(2) *Salvinia* – Heterosporous  
(3) *Equisetum* – Homosporous  
(4) *Pinus* – Dioecious

**Ans. (4)**

**131.** The morphological nature of the edible part of coconut is:

- (1) Cotyledon  
(2) Endosperm  
(3) Pericarp  
(4) Perisperm

**Ans. (2)**

**132.** Double fertilization is exhibited by :

- (1) Algae  
(2) Fungi  
(3) Angiosperms  
(4) Gymnosperms

**Ans. (3)**

**133.** Spliceosomes are not found in cells of;

- (1) Fungi (2) Animals  
(3) Bacteria (4) Plants

**Ans. (3)**

**134.** The association of histone H1 with a nucleosome indicates:

- (1) DNA replication is occurring.  
(2) The DNA is condensed into a Chromatin Fibre.  
(3) The DNA double helix is exposed.  
(4) Transcription is occurring.

**Ans. (2)**

**135.** The region of Biosphere Reserve which is legally protected and where no human activity is allowed is known as:

- (1) Buffer zone  
(2) Transition zone  
(3) Restoration zone  
(4) Core zone

**Ans. (4)**