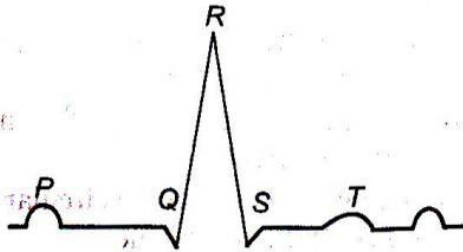


171. Given below is the ECG of a normal human. Which one of its components is human, which one of its components is correctly interpreted below.



- (a) complex *QRS*—One complete pulse
 (b) peak *T*—Initiation of total cardiac contraction
 (c) peak *P* and peak *R* together—systolic and diastolic blood pressures
 (d) peak *P*—Initiation of left atrial contraction only
172. Which one of the following structures in *Pheretima* is correctly matched with its function?
 (a) Clitellum—Secretes cocoon
 (b) Gizzard—Absorbs digested food
 (c) Setae—Defence against predators
 (d) Typhlosole—Storage of extra nutrients
173. *Selaginella* and *Salvinia* are considered to represent a significant step towards evolution of seed habit because
 (a) female gametophyte is free and gets dispersed like seeds
 (b) female gametophyte lacks archegonia
 (c) megaspores possess endosperm and embryo surrounded by seed coat
 (d) embryo develops in female gametophyte which is retained on parent sporophyte
174. Bulk of carbon dioxide (CO_2) released from body tissues into the blood is present as
 (a) bicarbonate in blood plasma and RBCs
 (b) free CO_2 in blood plasma
 (c) 70% carbamino-haemoglobin and 30% as bicarbonate
 (d) carbamino-haemoglobin in RBCs
175. In angiosperms, functional megaspore develops into
 (a) embryo sac (b) ovule
 (c) endosperm (d) pollen sac
176. Consider the following statements (I)-(IV) each with one or two blanks.
 I. Bears go into(1)..... during winter to(2)..... cold weather.
 II. A conical age pyramid with a broad base represents.....(3)..... human population.
 III. A wasp pollinating a fig flower is an example of(4).....
 IV. An area with high levels of species richness is known as(5).....
177. Which one of the following options give the correct fill up the respective blanks numbers from (1) to (5) in the statements.
 (a) (2) stable, (4) commensalism, (5) marsh
 (b) (1) aestivation, (5) escape, (3) stable, (4) mutualism
 (c) (3) expanding, (4) commensalism, (5) biodiversity park
 (d) (1) hibernation, (2) escape, (3) expanding, (5) hot spot
178. What is common between vegetative reproduction and apomixis?
 (a) Both are applicable to only dicot plants
 (b) Both bypass the flowering phase
 (c) Both occur round the year
 (d) Both produces progeny identical to the parent
179. Common cold is not cured by antibiotics because it is
 (a) caused by a virus
 (b) caused by a Gram positive bacterium
 (c) caused by a Gram negative bacterium
 (d) not an infectious disease
180. Which one of the following is not an essential mineral elements for plants while the remaining three are?
 (a) Iron
 (b) Manganese
 (c) Cadmium
 (d) Phosphorus