



1. This is an incorrect statement in context of heartwood (NEET 2017)
- A. organic compounds are deposited in it
 - B. it comprises dead elements with highly lignified walls
 - C. it conducts water and minerals efficiently
 - D. it is highly durable
2. The vascular cambium typically gives rise to (NEET 2017)
- A. Phelloderm
 - B. Secondary Xylem
 - C. Periderm
 - D. Primary Phloem
3. The balloon-shaped structures called tyloses (NEET – II 2016)
- A. are linked to the ascent of sap through xylem vessels
 - B. are extensions of xylem parenchyma cells into vessels
 - C. characterize the sapwood
 - D. originate in the lumen of vessels
4. You are given a fairly old piece of dicot stem and a dicot root. Which of the following anatomical structures will you use to distinguish between the two? (2014)
- A. Cortical Cells
 - B. Protoxylem
 - C. Secondary Phloem
 - D. Secondary Xylem
5. This is an incorrect statement for stomatal apparatus (NEET 2013)
- A. guard cells are always surrounded by subsidiary cells
 - B. stomata are involved in gaseous exchange
 - C. inner wall of guard cells are thick
 - D. guard cells invariably possess chloroplasts and mitochondria
6. Some vascular bundles are described as open because these (Mains 2011)
- A. are not surrounded by pericycle
 - B. possess conjunctive tissue between xylem and phloem
 - C. are surrounded by pericycle but no endodermis
 - D. are capable of producing secondary xylem and phloem
7. Heartwood differs from sapwood in (2010)
- A. being susceptible to pathogens and pests
 - B. having dead and non-conducting elements
 - C. presence of fibers and rays
 - D. absence of vessels and parenchyma
8. Anatomically fairly old dicotyledonous root is distinguished from the dicotyledonous stem by (2009)
- A. absence of secondary xylem
 - B. position of protoxylem
 - C. presence of cortex
 - D. absence of secondary phloem
9. The length of different internodes in a culm of sugarcane is variable because of (2008)
- A. position of axillary buds
 - B. shoot apical meristem
 - C. intercalary meristem
 - D. size of leaf lamina at the node below each internode
10. Passage cells are thin-walled cells found in
- A. testa of seeds to enable the emergence of growing embryonic axis during seed germination
 - B. central region of style through which the pollen tube towards the ovary
 - C. phloem elements that serve as entry points for substance for transport to other plant parts
 - D. endodermis of roots facilitating rapid transport of water from cortex to pericycle

Answer

01.	02.	03.	04.	05.	06.	07.	08.	09.	10.
C	B	B	B	A	D	B	B	C	D