

Royal College of Arts Science and Commerce
F.Y.B.Sc.
Semester II
Sample Questions
Botany Paper II
USBO 202

Instructions:

- 1) Fill in the blanks with the most appropriate option
- 2) Each question is for 1Mark.

Questions:

1. Epidermal outgrowth are known as _____
a. Trichomes b. Flower buds c. Stomata d. Leaves
2. Pith is usually composed of _____
a. Aerenchyma b. Collenchyma c. Parenchyma
d. Sclerenchyma
3. The limiting layer of cortex is _____.
a. Hypodermis b. Endodermis c. Epidermis
d. Pericycle
4. Cells surrounding the guard cells are called _____.
a. Accessory b. Subsidiary c. Motor d. Bulliform
5. Which of the following statements about the Calvin cycle are true
P. It regenerates the ribulose 1,5-bisphosphate consumed by the rubisco reaction
Q. It forms glyceraldehydes 3-phosphate, which can be converted to fructose 6-phosphate
R. It requires ATP and NADPH
S. It takes place in the grana
a. P and Q b. Q and R c. P,R and Q d. P,Q,R and S.
6. Three molecules of RuBP in C₃ cycle regenerated from
a. 4 molecules of glyceraldehydes-3-phosphate
b. 5 molecules of 3-PGA
c. 5 molecules of glyceraldehyde-3-phosphate
d. 6 molecules of glyceraldehyde-3-phosphate
7. _____ is the essential pigment for photosynthesis.
a. Anthocyanin b. Carotene c. Chlorophyll d. Xanthophyll

8. RuBP is a _____ compound.
a. 3 Carbon b. 5 Carbon c. 9 Carbon d. 2 Carbon
9. _____ is a primary metabolite.
a. Alkaloids b. Antibiotics c. Starch d. Glycoside
10. Eugenol is obtained from _____.
a. Adulsa b. Tulsi c. Haldi d. Aloe
11. Turmeric powder is prepared from _____ of *Curcuma longa*.
a. Stem b. Leaf c. Rhizome d. Bark
12. Identify the secondary metabolite.
a. Lectins b. Rubber c. RNA d. Sucrose