

[Total No. of Questions - 9] [Total No. of Printed Pages - 3]
(2063)

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B. Pharmacy (Ayurveda) 2nd Semester Examination

Pharmaceutical Biology (NS)

BPA-221

Time : 3 Hours

Max. Marks : 70

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : (i) Attempt total six question.

(ii) Question no. 1 is compulsory for all.

1. (a) In angiosperms only Eukaryotic type of cell is found. YES or NO
- (b) Storage tissue is _____ in angiosperms.
- (c) _____ play role in the translocation of food.
- (d) Write the botanical name and family of hing.
- (e) In which genus single stamen represent single male flower.
- (f) Name any two medicinal plants of Solanaceae family.
- (g) For what leguminosae family is considered the most important.

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- (h) Name any two plants whose each part is used as drug.
- (i) Standard size of herbarium seal in centimeters is _____
- (j) What is a true fruit? **(10×2=20)**
2. (a) Draw the structure of a typical plant cell.
- (b) Explain sclerenchymatous tissue and write its importance. **(10)**
3. (a) Explain the system of classification of plants you have studied.
- (b) Explain the infloescence of Euphorbiaceae. **(10)**
4. (a) What is Herbarium? Write its importance in taxonomy.
- (b) Write economic importance of Apocynaceae. **(10)**
5. (a) Give botanical description of Solonaceae family by suitable example.
- (b) Give the name of two plants of Zingiberaceae and their drug use. **(10)**
6. (a) Explain crude, organized and unorganized drugs with examples
- (b) What is cremocarp.
- (c) Write floral formulae of *Allium cepa*. **(10)**

7. (a) Draw the floral diagram of citrus flower.
- (b) Explain in short the classification of crude drugs.
- (c) Name plant whose bark is used as a drug. **(10)**
8. (a) Write the general characters of Convolvaceae.
- (b) Discuss the methods of systematic studies of crude drugs. **(10)**
9. Write short note on :
- (i) Papilionaceous corolla.
- (ii) Chloroplast
- (iii) Collection and storage of crude drug.
- (iv) Fruits used as drugs. **(10)**