

BS/2110

~~BS/2110~~

5220/NH

Please assign marks to

Total No. of Questions ~~10~~ 10

~~Subject~~ BS/2110 Semester III Medical Paper VI

Title of the Paper Diversity and Systematics of Angiosperms

Time allowed 3 hrs Maximum Marks 40

Candidates are required to attempt two questions each from sections A and B of the question paper carrying 6 marks each and the entire section C consisting of 8 short answer type questions carrying 2 marks each.

Section A

- Q1. Give an account of origin of Angiosperms.
- Q2. What do you understand by taxonomy? Discuss its components.
- Q3. Explain the advanced and primitive characters of Angiosperms using suitable examples.
- Q4. Explain the concept of Type.

Section B

- Q5. Explain the characteristic features of classification system proposed by Engler and Prantl.
- Q6. Give the diagnostic features of: i) Brassicaceae — ii) Rutaceae
- Q7. Describe a member of following families in technical terms:
i) Apiaceae ii) Rosaceae.
- Q8. Explain the important characters of members of following families:
i) Asclepiadaceae ii) Lamiaceae.

Section C

- Q9. Explain briefly:
 - i) Characteristic features of members of Asteraceae.
 - ii) Characteristic features of members of Poaceae.
 - iii) How do the dicots differ from monocots?
 - iv) What is natural system of classification?
 - v) What do you understand by binomial nomenclature?
 - vi) What is an Identification key?
 - vii) Give one example each of plants belonging to Fabaceae and Solanaceae.
 - viii) Arrange the following in correct sequence of hierarchy: Order, Kingdom, Class, Species, Genus, Family.