

Roll No.

Total No. of Pages : 02

Total No. of Questions : 20

B.Pharma (2012 to 2016) (Sem.-3)

PHARMACOGNOSY-II

Subject Code : BPHM-302

M.Code : 46222

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY carrying THIRTY marks.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

SECTION-A**Answer the following :**

- Q1. What are Resenes? Give one example, with complete biological source, used for its high resene content. 2
- Q2. Define Pharmaceutical Aids? Give complete biological source of a drag used as a viscosity builder. 2
- Q3. In the transverse section of single mesocarp of fennel, how many oils cells and vascular bundles are seen? 2
- Q4. Why gelatin salt test is considered more reliable than gelatin test to detect the presence of tannins? 2
- Q5. Draw the chemical structures of the following : 2+2+2+2
- (i) Eugenol
 - (ii) THC
 - (iii) Podophyllotoxin
 - (iv) Curcumin
- Q6. Differentiate between Eucelle and Enfleurage methods of volatile extraction. 2
- Q7. Give complete biological source and uses of myrobalan. 2

- Q8. If a drug gives positive Borntrager's test, will it also give positive modified Borntrager's test? Explain your answer. 2
- Q9. Write the uses of Nylon and Asbestos. 2
- Q10. Write complete biological source, major chemical constituent and uses of balsam of tolu and dill. 2+2
- Q11. Differentiate between pathological and physiological resin. Also give one example of each. 2

SECTION-B

- Q12. Write a note on the source, types, method of preparation, chemical composition, chemical tests and uses of cotton.
- Q13. Elaborate on the source, chemical constituents, chemical tests and uses of pale and black catechu.
- Q14. Discuss different types of tannins with one example from each class.
- Q15. Write a note on natural colouring agents.
- Q16. Discuss the commercial importance of Lemon grass and Mentha.

SECTION-C

- Q17. Differentiate between Indian and American podophyllum on the basis of its macro- and microscopic characters, chemical constituents and chemical tests.
- Q18. Discuss in detail Cinnamon and Turmeric.
- Q19. Discuss in detail about benzoin, highlighting its sources, cultivation and collection, chemical constituents, uses, specific chemical tests and adulterants.
- Q20. Elaborate on various methods of volatile extraction highlighting their principle, advantages and disadvantages with respect to each other.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.