

Roll No.....

SCHOOL OF UNANI MEDICAL EDUCATION & RESEARCH
M. D. (Ilmul Advia) 1st Year Annual Examination 2021
Paper Code: MDI-104
Tibbi Kemiya wa Meyarbandi

Time Allowed: 03 hours

Maximum Marks: 75

SECTION-A

Answer all questions

10x2=20 Marks

Q.1

- a) Define Saponification Value.
- b) What is viscosity?
- c) Define Chromatography.
- d) What do you mean by standardization of Unani drugs?
- e) Define centrifugation.
- f) What are aflatoxins?
- g) Define retention time and retention factor.
- h) What are alkaloids?
- i) Importance of Ash value.
- j) Define Sublimation

SECTION- B

Answer all questions

5x5= 25 Marks

- Q2. What is the difference between essential oils and fixed oils?
- Q3. What are carbohydrates? Write any two chemical tests of identification of carbohydrates.
- Q4. What are the advantages and disadvantages of TLC in comparison to Paper Chromatography?
- Q5. Write briefly about UV-Vis Spectroscopy.
- Q6. Write short note on factors affecting the quality of Unani drugs.

SECTION- C

Answer all questions

3x10=30 Marks

- Q7. Explain briefly Soxhlet extraction method with diagram. Discuss the advantages and disadvantages of this method of extraction.
- Q8. Draw schematic diagram of HPLC, name its main parts and discuss its working in brief.
- Q9. Why determination of moisture content is necessary in Unani drugs. Discuss Azeotropic method of moisture determination.