

Roll No.....

**SCHOOL OF UNANI MEDICAL EDUCATION & RESEARCH**

**M.D. (Ilmul Advia) 1<sup>st</sup> YEAR ANNUAL EXAMINATION 2020**

**Paper No: MDI-104**

**TIBBI KIMYA WA MEARBANDI**

Time allowed: 03 hours

Maximum Marks: 75

*(Write your Roll No. on the top immediately on receipt of this question paper)*

---

**SECTION – A**

Answer all questions. (Maximum 20 words for each)

**10 x 2 = 20 Marks**

Q.1.

- (a) What is Steam Distillation?
- (b) Write about moisture content.
- (c) Write about steroidal saponin.
- (d) What are the flavonoids?
- (e) What are the stationary and mobile phases of Paper Chromatography?
- (f) What are the cardioactive glycosides ?
- (g) Write about organoleptic evaluation of Unani drugs.
- (h) Write about Oleo-gum resin.
- (i) Write down two apparatus used for extraction of volatile oil and its significance.
- (j) Write importance of saponification value.

**SECTION – B**

Answer all questions. (Maximum 100 words for each)

**5 x 5 = 25 Marks**

Q.2. Write down about general principle and techniques of chromatography.

Q.3. Write down how to estimate and extract "Alkaloids".

Q.4. How will you find out the Ash Value of a Drug sample?

Q.5. Write down the techniques of HPLC and their significance.

Q.6. Write short notes on :

(i) Paper chromatography

(ii) AAS

**SECTION – C**

Answer all questions. (Maximum 300 words for each)

**3 x 10 = 30 Marks**

Q.7. Define adulteration and its factors affecting the quality of Unani drugs.

Q.8. Define how to determine Aflatoxin in Unani drugs.

Q.9. Define how to determine the extractive values and its importance.

.....