

Your Roll No.....

M.D. (Ilmul Advia) 1st YEAR ANNUAL EXAMINATION 2017

Paper Code: 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) Successive Extraction.
- (b) Define Paper Chromogography.
- (c) Heavy metals
- (d) What is swelling index ?
- (e) What is refractive index ?
- (f) What is flavonoids ?
- (g) What do you mean by Thin Layer Chromatography (TLC) ?
- (h) What are Resins ?
- (i) What is pH value ?
- (j) Importance of Ash Value.

SECTION – B

Answer all questions. (Maximum 100 words for each) **5 x 5 = 25 Marks**

- Q.2. What are the disadvantages of Thin Layer Chromatography ?
- Q.3. Write comprehensive notes on Quality Control of Unani formulation.
- Q.4. Write briefly about Extraction of biologically active compounds.
- Q.5. Write about Electrophoresis.
- Q.6. Write short notes on:
 - (i) Fatty acids
 - (ii) Adulteration of Unani drugs

SECTION – C

Answer all questions. (Maximum 300 words for each) **3 x 10 = 30 Marks**

- Q. 7. Application and important of HPLC for quality assurance of Unani drugs.
- Q.8. Write about Glycosides.
- Q.9. How do you determine the moisture content and its importance ?
