JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : Diploma in Pharmacy	**Session :2020-2022**	**Year :2nd year**	
Course: Hospital and Clinical Pharmacy(THEORY)			
Name of the Faculty:Jay Chandra	**Commencement Date: 29.08.2022**	**Date of Closure:**	

Lecture No.	Week	Unit	Topics to be Covered	Blended Mode			Date	Duration	Tracking of Lectures	Related Course Outcome	Signature of Faculty	Signature of HoD	Remarks (if any)
				ICT Tool/Platform/ LMS	Resources	Activity							
1	1		**Subject objective & subject outcome**										
2			Hospital-Definition, Function, classifications based on various criteria										
3			Organization, Management and health delivery system in India.										
4	2		Hospital Pharmacy: Definition Functions and objectives of Hospital pharmaceutical services										
5			Location, Layout, Flow chart of materials and men.										
6			Personnel and facilities requirements including equipments based on individual and basic needs.										
7			Requirements and abilities required for Hospital pharmacists.										

8	**3**		Drug Distribution system in Hospitals										
9			Out-patient service, In-patient services-types of services detailed discussion of unit Dose system										
10	**4**		Floor ward stock system,										
11			Satellite pharmacy services, central sterile services, Bed side pharmacy.										
12			Manufacturing										
13	**5**		Economical considerations, estimation of demand.										
14			Sterile manufacture										
15			Large and small volume parenterals, facilities, requirements										
16	**6**		Layout production, planning , man-power requirements.										
17			Non-sterile manufacture-Liquid orals, externals.										
18			Bulk concentrates. Procurement of stores and testing of raw materials.										
19	**7**		Nomenclature and uses of surgical instruments and Hospital Equipments and health accessories.										
20			P.T.C.(pharmacy Therapeutic Committee)										

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22	**8**		Hospital Formulary system										
23			Their organization, functioning, composition.										
24			Drug Information service										
25	**9**		Drug Information Bulletin.										
26			Surgical dressing like cotton, gauze										
27			Bandages and Adhesive tapes including their pharmacopoeial tests for quality										
28	**10**		Other hospital supply eg. I.V.sets, B.G. sets, Ryals tubes, Catheters, Syringes etc										
29			Application of computers in maintenance of records,										
30			Inventory control										
31	**11**		Medication monitoring, drug information										
32			Data storage and retrieval in hospital retail pharmacy establishment.										
33			Introduction to Clinical pharmacy practice-Definition, scope.										

34			Introduction to Clinical pharmacy practice- Definition, scope.										
35	**12**		Modern dispensing aspects- Pharmacists										
36			Patient counseling and advice for the use of common drugs										
37			Medication history										
38	**13**		Common daily terminology used in the practice of Medicine.										
39			Disease, manifestation										
40			Patho-physiology including salient symptoms to understand the disease										
41	**14**		Tuberculosis, Hepatitis,										
42			Rheumatoid Arthritis, Cardio-vascular diseases,										
43			Epilepsy, Diabetes,										
44	**15**		Peptic Ulcer, Hypertension.										
45			Physiological parameters with their significance.										
46			Drug Interactions: Definition and introduction.										

47	**16**		Mechanism of Drug Interaction. Drug-drug interaction with reference to analgesics,										
48			Diuretics, cardiovascular drugs,										
49	**17**		Gastro-intestinal agents										
50			Vitamins and Vitamins and Drug-food interaction.										
51			Adverse Drug Reaction: Definition and significance										
52	**18**		Drug-Induced diseases and Teratogenicity.										
53			Drugs in Clinical Toxicity										
54			Introduction, general treatment of poisoning, systemic antidotes,										
55	**19**		Treatment of insecticide poisoning,										
56			Heavy metal poison										
57			Narcotic drugs, Barbiturate										
58	**20**		Organo-phosphorus poisons.										
59			Drug dependences										
60			Drug abuse, addictive drugs										
61			Their treatment, complications.										

62	**21**		Bio-availability of drugs,										
63			Including factors affecting it.										
64	**22**		Revision										
65			Revision										
66			Revision										
67	**23**		Revision										
68			Revision										
69			Revision										
70	**24**		Revision										
71			Revision										
72			Revision										
73	**25**		Revision										
74			Revision										
75			Revision										