

Schemes and Syllabus

(For academic session 2023-24 & onwards)

B. Voc. in Pharmaceutical Analysis & Quality Assurance



Atal Shiksha Nagar (Kallujhanda), P.O.
Mandhala, Village- Nanakpura,
Pinjore-Nalagarh highway, District- Solan,
Himachal Pradesh- 174103

www.iecuniversity.com

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SECTION 1

Program Outcomes and Program Specific Outcomes

Program Outcomes

PO1: Professional Knowledge: It helps the students to train on subjects Professional Skill, Professional Knowledge, Engineering Drawing, Workshop Science & Calculation and Employ-ability Skills related to job role.

PO2: Research/Project Orientation: The program helps students to recognize and apply basic research methods to different training in plumbing.

PO3: Entrepreneurship Capability: It helps the students to develop their ethical and social value.

PO4: Conformist: Relating political, social, cultural, historical issues as affecting life of the individual, group and society.

PO5: Critical Thinking Mindset: Students will develop their critical thinking skills to analyze and evaluate the ways in which social scientists to examine the world.

PO6: Leadership and Teamwork: Student will learn about the leadership traits and conformity of a group and how to work as a team all these traits will be developed through the study.

PO7: Professional Ethics: It will help the students to recognize different value systems including your own, understand the moral dimensions of your decisions, and accept responsibility for them.

PO8: Professional Empowerment: Student is entrusted to make/do project work and Extra Curricular Activities to build up confidence.

PO9: Communication: It will help the students the ability to communicate to other about their viewpoints and connecting peoples by exchange ideas and opinions

PO10: Social Responsibility and Environmental Conservation:It will help the students to understand the issues of environmental contexts and the importance of environment conservation and social responsibility.

PO11: Modern Analytical Knowledge: Inculcate among students an ability to determine modern issues and outlook for their solutions.

PO12: Life Long Skills: Acquire the ability to engage in independent and life-long learning in the broadest context socio-political changes.

SECTION 2

Semester wise Scheme

First Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. PHM-101	Basics of Computer	4	-	-	4	4	40	60	100
B. Voc. PHM-102	Introduction to Pharma Technology	4	-	-	4	4	40	60	100
B. Voc. PHM-103	Basic work skills in Pharma sectors	4	-	-	4	4	40	60	100
B. Voc. PHM-104	OJT-I (On Job Training NSQF Level-4)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Second Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. PHM-201	Professional Communication	4	-	-	4	4	40	60	100
B. Voc. PHM-202	Pharmaceutical Engineering-I	4	-	-	4	4	40	60	100
B. Voc. PHM-203	Pharmaceutical Quality Management	4	-	-	4	4	40	60	100
B. Voc. PHM-204	OJT-II (On Job Training NSQF Level-5)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Third Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. PHM-301	Environment Studies	4	-	-	4	4	40	60	100
B. Voc. PHM-302	Pharmaceutical Plant Maintenance Management	4	-	-	4	4	40	60	100
B. Voc. PHM-303	Pharmacy Law and Ethics	4	-	-	4	4	40	60	100
B. Voc. PHM-304	OJT-III (On Job Training)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Fourth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. PHM-401	Human Values & Ethics	4	-	-	4	4	40	60	100
B. Voc. PHM-402	Quality Control and Assurance in Pharmaceutical Industry	4	-	-	4	4	40	60	100
B. Voc. PHM-403	Warehouse Management in Pharmaceutical Industry	4	-	-	4	4	40	60	100
B. Voc. PHM-404	OJT-IV (On Job Training NSQF Level-6)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Fifth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. PHM-501	Disaster Management	4	-	-	4	4	40	60	100
B. Voc. PHM-502	Good Manufacturing Practices and Good Laboratory Practices	4	-	-	4	4	40	60	100
B. Voc. PHM-503	Pharmaceutical Marketing	4	-	-	4	4	40	60	100
B. Voc. PHM-504	OJT-V (On Job Training)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800

Sixth Semester

Course Code	Course Title	L	T	P	CH	CP	Int. A	ESE	Total
B. Voc. PHM-601	Current Affairs	4	-	-	4	4	40	60	100
B. Voc. PHM-602	Pharmaceutical Dosages forms	4	-	-	4	4	40	60	100
B. Voc. PHM-603	Industrial Safety	4	-	-	4	4	40	60	100
B. Voc. PHM-604	OJT-VI (On Job Training NSQF Level-7)	-	-	36	36	18	300	200	500
	TOTAL	12	-	36	48	30	480	320	800