

**COPO ATTAINMENT Batch 2016-20**

COURSE CODE	YEAR	COURSE NAME	Average	Internal exam						External exam	Direct attainment	Indirect Attainment	Total attainment
			CO	CO1	CO2	CO3	CO4	CO5	CO6	CO			
2210001	1	Unit Operation -I	<b>2.76</b>	2.74	2.82	2.51	2.72	2.99		<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
2210002	1	Pharmaceutical Chemistry-I	<b>2.41</b>	2	2.36	2.05	2.66	2.98		<b>3</b>	<b>2.88</b>	<b>2.56</b>	<b>2.85</b>
2210003	1	Pharmaceutical Analysis -I	<b>2.18</b>	2.31	2.06	1.54	2.17	2.83		<b>3</b>	<b>2.84</b>	<b>2.56</b>	<b>2.81</b>
2210004	1	Human Anatomy and Physiology -II	<b>2.88</b>	2.79	2.97	2.87	2.77	3		<b>3</b>	<b>2.98</b>	<b>2.56</b>	<b>2.93</b>
2210005	1	Basics of Computer Application-I	<b>2.55</b>	2.84	2.46	1.95	2.54	2.98		<b>3</b>	<b>2.91</b>	<b>2.56</b>	<b>2.88</b>
1990001	1	Contributor Personality Development	<b>3</b>	3	3	3	3			<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
2220001	1	Physical Pharmacy	<b>2.87</b>	2.9	2.95	2.63	2.97	2.92		<b>3</b>	<b>2.97</b>	<b>2.56</b>	<b>2.93</b>
2220002	1	Pharmaceutical Chemistry-II	<b>2.65</b>	2.53	2.85	2.29	2.58	3		<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.89</b>
2220003	1	Pharmaceutical Analysis -II	<b>2.6</b>	2.23	2.75	2.34	2.66	3		<b>3</b>	<b>2.92</b>	<b>2.56</b>	<b>2.88</b>
2220004	1	Human Anatomy and Physiology -II	<b>2.65</b>	2.51	2.44	2.71	2.66	2.93		<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.89</b>
22200P5	1	Basics of Computer Application-II	<b>2.74</b>	2.85	2.64					<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
2220006	1	Environmental Studies	<b>2.59</b>	2.66	2.61	2.61	2.47	2.97		<b>3</b>	<b>2.92</b>	<b>2.56</b>	<b>2.88</b>
2230001	2	Dispensing Pharmacy and Drug Store Management	<b>2.86</b>	2.92	2.75	2.69	2.95	2.97	2.88	<b>3</b>	<b>2.97</b>	<b>2.56</b>	<b>2.93</b>
2230002	2	Pharmaceutical Engineering	<b>1.99</b>	2.12	2.29	2.39	2.47	2.68		<b>3</b>	<b>2.80</b>	<b>2.56</b>	<b>2.77</b>
2230003	2	Pharmaceutical Chemistry-III	<b>2.24</b>	2.64	2.24	1.34	2.2	2.78		<b>3</b>	<b>2.85</b>	<b>2.56</b>	<b>2.82</b>
2230004	2	Pharmaceutical Chemistry-IV	<b>2.22</b>	2.1	2.12	1.97	2.45	2.45		<b>3</b>	<b>2.84</b>	<b>2.56</b>	<b>2.82</b>
2230005	2	Health Education and Community Health	<b>2.62</b>	2.49	2.61	2.96	2.25	2.81		<b>3</b>	<b>2.92</b>	<b>2.56</b>	<b>2.89</b>
2230006	2	Pharmacognosy-I	<b>2.7</b>	2.6	2.66	2.96	2.32	2.96		<b>3</b>	<b>2.94</b>	<b>2.56</b>	<b>2.90</b>
2240001	2	Unit Operation -II	<b>2.67</b>	2.66	2.81	2.34	2.64	2.88		<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.90</b>
2240002	2	Dispensing Pharmacy-II and Pharma Industrial Management	<b>2.81</b>	2.85	2.81	2.86	2.66	2.88		<b>3</b>	<b>2.96</b>	<b>2.56</b>	<b>2.92</b>
2240003	2	Pharmaceutical Chemistry-V	<b>2.36</b>	2.42	2.36	1.63	2.42	2.98		<b>3</b>	<b>2.87</b>	<b>2.56</b>	<b>2.84</b>
2240004	2	Pharmaceutical Chemistry-VI	<b>2.31</b>	2.1	2.26	2.25	2.111	2.85		<b>3</b>	<b>2.86</b>	<b>2.56</b>	<b>2.83</b>
2240005	2	Basic Concept of Pharmacology and Clinical Pharmacy	<b>2.48</b>	2.63	2.27	2.53	2.49			<b>3</b>	<b>2.90</b>	<b>2.56</b>	<b>2.86</b>
2240006	2	Pharmacognosy-II	<b>2.16</b>	2.1	1.88	1.98	2.42	1.6	3	<b>3</b>	<b>2.83</b>	<b>2.56</b>	<b>2.80</b>
2250001	3	Hospital Pharmacy and Community Pharmacy	<b>2.75</b>	2.28	2.89	3	2.82			<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
2250002	3	Pharmaceutical Microbiology and Biotechnology-II	<b>2.66</b>	2.26	2.85	2.77	2.66	2.76		<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.89</b>
2250003	3	Pharmaceutical Analysis -IV	<b>2.58</b>	2.48	2.59	2.62	2.49	2.7		<b>3</b>	<b>2.92</b>	<b>2.56</b>	<b>2.88</b>
2250004	3	Pharmaceutical Chemistry-VII	<b>2.39</b>	2.58	2.39	2.25	2.31	2.41		<b>3</b>	<b>2.88</b>	<b>2.56</b>	<b>2.85</b>

2250005	3	Pharmacology and Pharmacotherapeutics-I	<b>2.19</b>	2.18	2.3	1.82	2.48			<b>3</b>	<b>2.84</b>	<b>2.56</b>	<b>2.81</b>
2250006	3	Pharmacognosy-III	<b>2.73</b>	3	2.8	2.89	2.03	2.7	2.97	<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
2260001	3	Forensic Pharmacy	<b>2.93</b>	2.92	2.95	2.92	2.95			<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.94</b>
2260002	3	Pharmaceutical Microbiology and Biotechnology-II	<b>2.57</b>	2.32	2.66	2.48	2.55	2.82		<b>3</b>	<b>2.91</b>	<b>2.56</b>	<b>2.88</b>
2260003	3	Pharmaceutical Analysis -V	<b>2.57</b>	2.77	2.3	2.41	2.55	2.83		<b>3</b>	<b>2.91</b>	<b>2.56</b>	<b>2.88</b>
2260004	3	Pharmaceutical Chemistry-VIII	<b>1.9</b>	1.97	2.43	1.18	1.11	2.8		<b>3</b>	<b>2.78</b>	<b>2.56</b>	<b>2.76</b>
2260005	3	Pharmacology and Pharmacotherapeutics-II	<b>2.42</b>	2.44	2.3	2.41	2.47	2.47		<b>3</b>	<b>2.88</b>	<b>2.56</b>	<b>2.85</b>
2260006	3	Pharmacognosy-IV	<b>2.54</b>	2.74	2.61	2.27	2.27	2.82		<b>3</b>	<b>2.91</b>	<b>2.56</b>	<b>2.87</b>
2270001	4	Dosage Form Design-I	<b>2.74</b>	2.82	2.77	2.8	2.68	2.63		<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
2270002	4	Pharmaceutical Technology-I	<b>2.72</b>	2.89	2.78	2.55	2.71	2.74	2.63	<b>3</b>	<b>2.94</b>	<b>2.56</b>	<b>2.91</b>
2270003	4	Pharmaceutical Chemistry-IX	<b>2.23</b>	1.98	2.62	2.18	1.68	2.68		<b>3</b>	<b>2.85</b>	<b>2.56</b>	<b>2.82</b>
2270004	4	Pharmacology-III	<b>2.49</b>	2.64	2.42	2.36	2.27	2.75		<b>3</b>	<b>2.90</b>	<b>2.56</b>	<b>2.86</b>
2270005	4	Pharmacognosy-V	<b>2.39</b>	2.52	1.79	2.19	2.49	3		<b>3</b>	<b>2.88</b>	<b>2.56</b>	<b>2.85</b>
2270011	4	Herbal Cosmetics	<b>2.91</b>	2.95	2.98	3	2.74			<b>3</b>	<b>2.98</b>	<b>2.56</b>	<b>2.94</b>
2270014	4	Instrumental and Process Validation	<b>2.87</b>	3	2.5	2.83	3	3		<b>3</b>	<b>2.97</b>	<b>2.56</b>	<b>2.93</b>
2280001	4	Dosage Form Design-II	<b>2.73</b>	2.95	2.91	2.48	2.77	2.58		<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
2280002	4	Pharmaceutical Technology-II	<b>2.59</b>	2.71	2.68	2.44	2.14	3		<b>3</b>	<b>2.92</b>	<b>2.56</b>	<b>2.88</b>
2280003	4	Pharmaceutical Chemistry-X	<b>2.71</b>	3	2.72	2.48	2.77	2.58		<b>3</b>	<b>2.94</b>	<b>2.56</b>	<b>2.90</b>
2280004	4	Pharmacology and Pharmacotherapeutics-IV	<b>2.78</b>	2.81	3	2.48	2.67	2.95		<b>3</b>	<b>2.96</b>	<b>2.56</b>	<b>2.92</b>
2280005	4	Pharmacognosy-VI	<b>2.63</b>	2.83	2.49	2.28	2.55	3		<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.89</b>
2280012	4	Intellectual Property Rights and Patents	<b>2.48</b>	2.9	2.95	2.44	1.64			<b>3</b>	<b>2.90</b>	<b>2.56</b>	<b>2.86</b>
<b>M.Pharm 2018-20</b>													
MAT101T	1	Modern Pharmaceutical Analytical Techniques	<b>2.93</b>	2.92	2.93	2.96	2.76			<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.94</b>
MQA102T	1	Quality Management System	<b>2.87</b>	2.93	2.8					<b>3</b>	<b>2.97</b>	<b>2.56</b>	<b>2.93</b>
MQA103T	1	Quality Control and Quality Assurance	<b>2.94</b>	3	2.87					<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.95</b>
MQA104T	1	Product Development and Technology Transfer	<b>2.83</b>	2.93	2.73					<b>3</b>	<b>2.97</b>	<b>2.56</b>	<b>2.93</b>
MQA105P	1	Pharmaceutical Quality Assurance-I	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPH102T	1	Drug Delivery System	<b>2.75</b>	2.5	3					<b>3</b>	<b>2.95</b>	<b>2.56</b>	<b>2.91</b>
MPH103T	1	Modern Pharmaceutics	<b>2.58</b>	2.5	3	2.25				<b>3</b>	<b>2.92</b>	<b>2.56</b>	<b>2.88</b>
MPH104T	1	Regulatory Affairs	<b>2.64</b>	2.67	2.25	3				<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.89</b>
MPH105P	1	Pharmaceutics	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPL102T	1	Advanced Pharmacology-I	<b>2.96</b>	3	2.89	3				<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.95</b>
MPL103T	1	Pharmacological and Toxicological Screening Methods-1	<b>3</b>	3	3	3				<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>

MPL104T	1	Cellular and Molecular Pharmacology	<b>2.83</b>	2.67	3					<b>3</b>	<b>2.97</b>	<b>2.56</b>	<b>2.93</b>
MPL105P	1	Pharmacology-I	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MQA201T	1	Hazards and Safety Management	<b>2.91</b>	2.87	2.93	2.93				<b>3</b>	<b>2.98</b>	<b>2.56</b>	<b>2.94</b>
MQA202T	1	Pharmaceutical Validation	<b>2.42</b>	2.58	2.5	2.17				<b>3</b>	<b>2.88</b>	<b>2.56</b>	<b>2.85</b>
MQA203T	1	Audits and Regulatory Compliance	<b>2.9</b>	2.87	2.93	2.93				<b>3</b>	<b>2.98</b>	<b>2.56</b>	<b>2.94</b>
MQA204T	1	Pharmaceutical Manufacturing Technology	<b>2.67</b>	2.6	3	2.4				<b>3</b>	<b>2.93</b>	<b>2.56</b>	<b>2.90</b>
MQA205P	1	Pharmaceutical Quality Assurance-II	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPH201T	1	Molecular Pharmaceutics	<b>2.96</b>	3	2.92					<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.95</b>
MPH202T	1	Advanced Biopharmaceutics and Pharmacokinetics	<b>2.89</b>	3	2.92	2.75				<b>3</b>	<b>2.98</b>	<b>2.56</b>	<b>2.94</b>
MPH203T	1	Computer Aided Drug Delivery System	<b>2.94</b>	2.83	3	3				<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.95</b>
MPH204T	1	Cosmetic and Cosmeceuticals	<b>2.82</b>	2.91	2.82	2.73				<b>3</b>	<b>2.96</b>	<b>2.56</b>	<b>2.92</b>
MPH205P	1	Pharmaceutics	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPL201T	1	Advanced Pharmacology-II	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPL202T	1	Pharmacological and Toxicological Screening Methods-II	<b>2.94</b>	3	2.89					<b>3</b>	<b>2.99</b>	<b>2.56</b>	<b>2.95</b>
MPL203T	1	Principles of Drug Discovery	<b>3</b>	3	3	3				<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPL204T	1	Clinical Research and Pharmacovigilance	<b>3</b>	3	3	3				<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MPL205P	1	Pharmacology-II	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>
MRM301T	2	Research Methodology and Biostatistics	<b>3</b>	3	3					<b>3</b>	<b>3.00</b>	<b>2.56</b>	<b>2.96</b>

**COPO ATTAINMENT Bat**

COURSE CODE	YEAR	Average PO											COPO Attainment											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	
2210001	1	1.8	1.5	1.5		1			1	2	2	2	5.24	4.37	4.37	0.00	2.91	0.00	0.00	2.91	5.82	5.82	5.82	
2210002	1	2.4		1.5	1.5	1	1	2.5	1	1		1	6.84	0.00	4.27	4.27	2.85	2.85	7.12	2.85	2.85	0.00	2.85	
2210003	1	3	1	1		1			1			1	8.43	2.81	2.81	0.00	2.81	0.00	0.00	2.81	0.00	0.00	2.81	
2210004	1	2.8	2	1	1	1	1			1		1	8.22	5.87	2.93	2.93	2.93	2.93	0.00	0.00	2.93	0.00	2.93	
2210005	1	3		1	1.8							1	8.63	0.00	2.88	5.18	0.00	0.00	0.00	0.00	0.00	0.00	2.88	
1990001	1									3			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.87	0.00
2220001	1	3	2			1			1			1	8.80	5.87	0.00	0.00	2.93	0.00	0.00	2.93	0.00	0.00	2.93	
2220002	1	2		1		1			1			1	5.79	0.00	2.89	0.00	2.89	0.00	0.00	2.89	0.00	0.00	3.86	
2220003	1	2.6	1	1		1			1			1	7.50	2.88	2.88	0.00	2.88	0.00	0.00	2.88	0.00	0.00	2.88	
2220004	1	3	2	2	1.2	1	1		1	1	1	1	8.68	5.79	5.79	3.47	2.89	2.89	0.00	2.89	2.89	2.89	2.89	
22200P5	1	2										1	5.82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.91	
2220006	1									2	2		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.76	5.76	
2230001	2	2.5				1						1.2	7.39	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	3.58	
2230002	2	1.8	1	1		1			1		1	2	4.99	2.77	2.77	0.00	2.77	0.00	0.00	2.77	0.00	2.77	5.55	
2230003	2	1.6		1		1			1			1	4.51	0.00	2.82	0.00	2.82	0.00	0.00	2.82	0.00	0.00	2.82	
2230004	2	1.8	1	2		1			1		1	2	5.07	2.82	5.63	0.00	2.82	0.00	0.00	2.82	0.00	2.82	5.63	
2230005	2	2.75								1	1	1	7.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89	2.89	2.89	
2230006	2	3		3	1	1					1	1	8.22	0.00	8.71	2.90	2.90	0.00	0.00	0.00	0.00	2.90	3.39	
2240001	2	2	2	3	1	1			1		2	1.2	5.79	5.79	8.69	2.90	2.90	0.00	0.00	2.90	0.00	5.79	3.48	
2240002	2	2.4	2			1			1			1	7.01	5.84	0.00	0.00	2.92	0.00	0.00	2.92	0.00	0.00	2.92	
2240003	2	2		1		1			1			1	5.68	0.00	2.84	0.00	2.84	0.00	0.00	2.84	0.00	0.00	2.84	
2240004	2	1.8	1	1		1			1		1	2	5.10	2.83	2.83	0.00	2.83	0.00	0.00	2.83	0.00	2.83	5.66	
2240005	2	2.6			1		1			1	1	2	7.44	0.00	0.00	2.86	0.00	2.86	0.00	0.00	2.86	2.86	5.72	
2240006	2	2.8		3.0	1.0	1.0					1.0	1.8	7.95	0.00	8.41	2.80	2.80	0.00	0.00	0.00	0.00	2.80	5.14	
2250001	3	2.5	1				2	2	3	2	2	2.25	7.28	2.91	0.00	0.00	0.00	5.82	5.82	8.73	5.82	5.82	6.55	
2250002	3	1.6	1	1		1			1		1	2	4.63	2.89	2.89	0.00	2.89	0.00	0.00	2.89	0.00	2.89	5.79	
2250003	3	1.8	1	1	1	1			1			2	5.18	2.88	2.88	2.88	2.88	0.00	0.00	2.88	0.00	0.00	5.76	
2250004	3	2.4	1	2	1	1			1		1	2	6.83	2.85	5.69	2.85	2.85	0.00	0.00	2.85	0.00	2.85	5.69	



