

**University of Asia Pacific**  
**Admission Test for Spring 2022**  
(Only for candidates seeking admission in **M Pharm in Pharmaceutical Technology**)  
Full Marks: 100                      Exam Time: 45 min

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**Eligibility:** CGPA 2.5 (scale 4.0) or above in B. Pharm from a recognized institution, candidate must fulfill The admission criteria of Pharmacy Council of Bangladesh

**Syllabus:**

1. Formulation, manufacturing, problems encountered during preparation and evaluation of Tablet, Capsule, Liquid Dosage Form, Powder Dosage Form, Sterile Dosage Form.
2. Biopharmaceutics.
3. Pharmaceutical Engineering (HVAC, Water treatment Plant, Mixing etc.).

**Sample Questions:**

**MCQ: Write the correct answer(s) in the answer box in capital letter**

#	Questions	Answer
1	Povidone K-30 is used as A) Binder B) Diluents C) Film former D) none	A
2	Weight of 1 size empty capsule shell is -- mg A) 69-85 B) 45 - 60 C) 120-130 D) None	A
3	For enteric coated tablets disintegration time should be ----A) less than 2 min in acid media B) less than 30 min in acid media C) 120 min in water D) none	D

**Mathematical questions: Calculate and write the answer in the box**

#	Questions	Answer
1	Calculate amount of Acetaminophen for 100000 Acetaminophen tablets (strength 500 mg) in Kg if potency of Acetaminophen is 100%.	50 kg
2	Average weight of tablets is 500 mg. Calculate % deviation for a tablet of 490 mg	2%
3	Weight variation of 20 capsules are 2.5%, 6.4%, 4.2%, 2.5% <b>8.4%</b> , 5.8%, 4.1%, 1.3% , 0.9%, 5.2%, 1.2%, <b>9.2%</b> , 5.4%, 4.21%, 3.24%, 2.24%, 5.76%, 1.4%, 1.29%, 2.1%.. Average weight of the batch is 310 mg. How many capsule cross BP specification of weight uniformity test?	2
4	Potency of 10 capsules are 111%, 112%, <b>122%</b> , <b>120%</b> , 101%, 88%, 107%, 92%, 108%, and 107%. Write the potency that cross 1 <sup>st</sup> limit of USP specification of content uniformity test.	<b>122%, 120%</b> ,

Normal Calculator may be used to solve the mathematical questions

**Venue:** Pharmacy Department, University of Asia Pacific 74/A Green Road (Level-4) Dhaka-1205

**Schedule:**

Sl. No.	Task	M Pharm in Pharmaceutical Technology
1.	Last date of application	Wednesday, April 13, 2022
2.	Date of admission test	Friday, April 15, 2022, 3.00 PM
3.	Result of the written test	Friday, April 15, 2022
4.	Viva voce	Saturday, April 16, 2022
5.	Final result after viva	Saturday, April 16, 2022
6.	Admission	17 April -26 April 2022