UNIVERSITY OF WESTMINSTER

COLLEGE OF LIBERAL ARTS AND SCIENCES
SCHOOL OF LIFE SCIENCES
TIMED ASSESSMENT (ICT2) SEMESTER 2 2020/21

Module Code:	**6PHYM003W**
Module Title:	**Advanced Pharmacology and Toxicology**
Module Leader:	**Dr Nelson Chong**
Release Time:	**01/04/2021 16:00 GMT**
Submission Deadline:	**02/04/2021 16:00 GMT**

Instructions to Candidates:

Please read the instructions below before starting the paper

- Module specific information is provided below by the Module Leader
- The Module Leader will be available in the first hour of timed release to respond to any queries via a discussion board on blackboard
- As you will have access to resources to complete your assessment any content you use from external source materials will need to be referenced correctly. Whenever you directly quote, paraphrase, or summarise someone else's ideas, you have a responsibility to give due credit to that person for their work. Support can be found at https://www.westminster.ac.uk/current-students/studies/study-skills-and-training/research-skills/referencing-your-work
- This is an individual piece of work so do not collude with others on your answers as this is an academic offence.
- Plagiarism detection software will be in use.
- Where the University believes that academic misconduct has taken place the University will investigate the case and apply academic penalties as published in Section 10 Academic Misconduct regulations.
- ***Once completed please submit your paper via the submission link provided. You can only submit ONCE so please ensure you submit the correct and complete document.***
- ***Candidates are advised that all answers must be submitted through the appropriate Turnitin link before the end of the 24h period. Any submissions received after that period will be awarded zero.***

1. **Word limit (excluding references and figure legends):**

800 words in total +/- 10%.

2. Referencing

All external sources of content, including sources of figures sand tables should be cited in-text and in a reference list at the end of the answer.

3. Labelling your answer files

Your answer should be submitted as Word or PDF using the convention "6PHYM003W_ICT2_w123456_QX", where X is either 1, 2, or 3.

4. Upload your file into the appropriate Turnitin folders i.e. Q1 into Folder Q1.

Answer **ONE** essay only (marked out of 100%).

1. Using research-informed examples, evaluate how pharmacogenomics can affect drug elimination and efficacy (and toxicity) using named examples of drugs, genetic variants and mechanisms of action.
2. Evaluate in detail the pathophysiology of heart failure and discuss current drug treatments (including recently approved medication), with precise molecular mechanisms of drug action.
3. Using research-informed literature, discuss how drugs can lead to cardiotoxicity. This should include drug examples, precise mechanisms of toxicity and pathology caused by the drugs.

END OF TIMED ASSESSMENT