

MINISTRY OF HEALTH OF UKRAINE
National University of Pharmacy

APPROVED BY
First Vice-Rector for Academic Work
A. Fedosov

" ____ " _____ 20__ year

Educational background _____ **Master** _____
(Level of Educational Background)

program subject area _____ **22 Health** _____
(Program Subject Area Title and Code)

Specialty _____ **226 Pharmacy** _____ Semester _____ **3** _____
(Specialty Title and Code)

Educational program _____ **Microbiology with Immunology Fundamentals** _____
(Educational Program Title)

Course unit _____
(Course Unit Name)

EXAMINATION PAPER No. Example

1. The morphological features of fungi ascomycetes class.
2. Antibodies (immunoglobulins): chemical nature, basic classes

Situational task

The patient complains of purulent discharge from the urethra, severe cramps before and during urination. The preliminary diagnosis "acute gonorrhoea."

1. What pathogen; describe its morphology; biological characteristics (factors of virulence, tropism for fabric); specify the source of the pathogen and mechanisms of contracting the infection.
2. Describe the scheme of laboratory diagnosis of infection. Expand the contents of each method.
3. What chemotherapy and immunological drugs to treat the infection.

Approved at the meeting of the Profile Methodical Commission _____

Examination Record No. ____ from _____ 20__ year

Head of the Department of Microbiology,
Virology and Immunology, Professor. _____ N. Filimonova

(Name of the Department)

(Signature)