

**Atal Behari Vajpayee Medical University**  
**Post Basic Nursing 1<sup>st</sup> Year**  
**PAPER 5 - MICROBIOLOGY**  
Paper code: 2211100205

Time allotted 3 hours

Max marks 75

Note: All questions are to be answered  
Be to the point  
No second copy shall be provided  
Draw diagrams where required

Q. 1 Write long answers on: (2 + 5 + 5 + 8 = 20 marks )

- a) Define sterilisation
- b) Enumerate physical methods of sterilisation
- c) Enumerate chemical methods of sterilisation
- d) Explain autoclave in detail along with diagram

Q. 2 Write briefly about: (5 x 7 = 35 marks)

- a) Classification of microorganism
- b) Difference between Prokaryotic and Eukaryotic
- c) Gram stain
- d) Immunisation schedule
- e) Immunity

Q. 3 Write short answers on: (5 x 4 = 20 marks)

- a) Hospital acquired infection
- b) Growth and nutrition of microbes
- c) Food borne disease
- d) Difference between bacteria and virus
- e) Examples of DNA and RNA viruses

*12<sup>th</sup> March 2022*