

# Virtual University of Pakistan

## Bio503

### Physical biology

#### Final past papers

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bio503

bio503 hydrogen

bonding application of

biophysics

gel filtration waly topic se 2 short questns ay thy yad nai arae wo topic sai s kr len

dialysis waly mn s b questn aya tha echolocation ki definition ai thi

DNA microarray waly topic s b ay thy questns

80% subjective part mid term waly syllabus s tha

BIO503 Final term 11:00am 4 Sep, 2018

1. What is hydrogen bonding

2. What is NMR

3. What is millisievert
4. Name the voltage gated Channels
5. What three spectroscopy techniques
6. How osmosis occurs in plants
7. Biophysical society
8. What is the direct effect of ionizing radiations
9. Use of biophysics in future
10. Explain types of HPLC

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Final term paper

Explain third law of thermodynamics (10)

Write a note on HPLC instrumentation (5)

Types of protein (5)

Future Career research in biophysics (3)

What is channelopathies (2)

Shortly explain electro dialysis (3) What is radiation protection