Virtual University of Pakistan

BT102

Microbiology

Final Terms Past Papers

Bt102 final term papers 2018

1. Immunity and its types in detail.10
2. Classification o algae.5 marks...idetification methods.discuss 2..5
3. How microbes damage body.2
4. Methods of gene transfer.3
5. Difference between virus.virion and viroid.3 marks 6. Transformation.conjugation and transduction.3 marks.
7. Epudimiology nad its methods.
8. L-form of bacteria?2
9. explain plasmogany, karyogamy and meisois.2
10. diff. b/w vertical or horizontal gene transfer? Wirte the name of three
11. Methods of gene transfer? 2
12. How microorganisms damage your body?2
13. Discuss economic benefits of fungi?3

14. explain transformation, conjugation and transduction?3
15. what epidemiology? Explain its different methods?3
16. how gene is transferred through contact, vehicles and vectors?5
17. Explain the methods of microbial identification? Any two...5
18. Explain the stages of viral replication?.5
19. What is immunity? Explain innate and adaptive immunity?10

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Define immunity, innate and adaptive immunity in detail (10)
Method for microbial control in detal (10)
Method of microbial identifications (5)
Describe transduction, conjuction transformation (3)
Economical use of fungi (3)
Characters tics of aerophiles (2)
Difference between vertical and horizontal gene transfer (3) Define pladmogamy, kariogamy and meiosis (3)

What are buffers?
How infectious disease can be transmitted explain it briefly transmission occur to contact, vehicle, vector?

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1. L bacteria3marks
2. Method of microbial identification in details10marks
3. Vertical and horizontal gene tramafer. 3marks
4. Transformation, Transduction and Conjugation 5marks
5. Bacterial gene tranfer vertical, horizontal and transformation, Conjugation and transduction 10 marks
6. Immunity, Innate and adaptive immunity10 marks
7. Epidemiology and its three basic types 5marks

My Today Bt102 Paper

How infectious disease can be transmitted explain it briefly transmission occur to contact, vehicle, vector? (10)
Write Microbial Identification Methods? (5)
Define Immunity and explain adaptive and Innate Immunity? (10)

Ecnomical use of fungi? (3)
Difference b/w Verticle and Horizontal Gene transfer? (2)
Virus, Virons and Viroids? (2)
Write composition of alchicacid equation?(2) Something like that asa hi kuch tha exactly yad ni 2 marks ka tha
How gene Transfer Transduction, transformation, conjugation explain it? (10) Aur 36 MCQ thy

BT102 (22-08-2017)
Total Q 45
36 Mcqs
5 short Q (2 and 3 marks)
1. Define pladmogamy, kariogamy and meiosis, plsamogammy? (3)
2. What is flagellum and write its function? (2)
3. Epidemiology and its three basic types? (2)
4. Virus, Virons and Viroids? (2)
5. Describe transduction, conjuction transformation (3)

4 long Q (5 and 10 marks)
1. How infectious disease can be transmitted explain it briefly transmission occur to contact, vehicle, vector? (5)
2. Method of microbial identifications (5)
3. What are gene transfer in bacteria disscues with transformation, transduction, conjuction? (10)
4. Define immunity, innate and adaptive immunity in detail (10 Bt102

microbiology
2. Method of microbial identification in details10marks
3. Vertical and horizontal gene transfer. 3marks
4. Transformation, Transduction and Conjugation 5marks
5. Bacterial gene tranfer vertical, horizontal and transformation, Conjugation and transduction 10 marks
6. Immunity, Innate and adaptive immunity10 marks
7. Epidemiology and its three basic types 5marks

BT 102 Wednesday at 5am
Method of microbial identification in details any two
Define gene transfer.By Transformation, Transduction and Conjugation.
transfer of infections dieases vehicle vector etc.
Define Immunity, Innate and adaptive immunity
Epidemiology and its three basic types Virus,
viroid, virons.

Define sporulation
Define meosis,plasmogammy,karyogammy