

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2017

Subject Name: Basics of Virology

Subject Code: 4SC02BAV1

Branch: B.Sc.(Microbiology)

Semester: 2

Date: 06/05/2017

Time: 02:00 TO 05:00

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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|---|---|-------------|
| Q-1 | Attempt the following questions: | (14) |
| | a) Define virus | 1 |
| | b) Enlist the name of Human satellite virus | 1 |
| | c) Define Prions | 1 |
| | d) Enlist the name of method used for B. Phage isolation. | 1 |
| | e) Which virus performed lytic or lysogenic cycle? | 1 |
| | f) Write a difference between lytic and lysogenic cycle | 1 |
| | g) Define B. Phage. | 1 |
| | h) Enlist the method used for virus classification. | 1 |
| | i) Draw the structure of bacteriophage. | 1 |
| | j) Enlist the types of virus transmission | 1 |
| | k) Define cancer | 1 |
| | l) Enlist the types of cancers | 1 |
| | m) Give example of liver cancer | 1 |
| | n) Give full form of KSHV | 1 |
| Attempt any four questions from Q-2 to Q-8 | | |
| Q-2 | Describe in details discovery of viruses. | (14) |
| Q-3 | Attempt all questions | (14) |
| A | Write a note on Epstein-Barr virus-linked cancers | 7 |
| B | Write a note on characteristics of bacteriophages | 7 |
| Q-4 | Attempt all questions | (14) |
| A | Explain in detail: one step multiplication curve | 7 |
| B | Write a note on virus classification | 7 |



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| Q-5 | Attempt all questions | (14) |
| A | Write a note on Mechanical transmission | 7 |
| B | Write a note on structure of viruses | 7 |
| Q-6 | Write in details: lysogenic cycle. | (14) |
| Q-7 | Attempt all questions | (14) |
| A | Write a note on Kaposi's sarcoma | 7 |
| B | Explain factor affecting mechanical transmission | 7 |
| Q-8 | Attempt all questions | (14) |
| A | Write a note on Polyomavirus-linked cancers | 7 |
| B | Write a note on lytic cycle. | 7 |

