



RAN-1173

B. Sc. (Microbiology) (Semester-VI) Examination

March / April - 2019

IDS: Quality Management in Laboratory

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (Microbiology) (Semester-VI)

Name of the Subject :

IDS: Quality Management in Laboratory

Subject Code No.: 1 1 7 3

Seat No.:

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Student's Signature

- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labeled diagrams wherever necessary.

Q.1: Give specific answers:

(12)

a. Expand the terms:

CAP

JCAHO

b. Define: Quality Management and Quality control.

c. What is full form of VIS? How it is calculated during EQAS?

d. Under which situations specimen may be rejected in microbiology and serology laboratory?

e. Enlist at-least four antimicrobials to treat infections with ESBL producers.

f. Define Certification and accreditation as per ISO.

Q-2: Explain/Comment on Any Two on following: (12)

- a. Justify: “Various functions are performed by EQAS”.
- b. Comment: “Audits are carried out internally and externally during the accreditation.”
- c. Explain: Various confirmatory tests are carried out for ESBLs.

Q-3: Discuss Any Two of the following in detail: (16)

- a. Explain: Pre-, post- and analytical phases of quality control program.
- b. Explain in detail: “Accreditation is multi stage process”
- c. Pre-analytical stage of QA in microbiology laboratory.

Q-4: Write Short notes on Any Two of the following: (10)

- a. GLPs before testing in laboratories.
 - b. Types of proficiency testing programs.
 - c. EQAS programs in INDIA.
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