

July - 2023

BLDE (DEEMED TO BE UNIVERSITY)

M.Sc. Allied Health Sciences (Medical Biochemistry)

[Time: 3 Hours]

[Max.Marks:80]

V SEMESTER

PAPER – I (Automation in Clinical Lab and Quality Control)

QP CODE: 9058

Your answer should be specific to the questions asked.
Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Write in detail about the automation in the clinical biochemistry laboratory.
2. Write in detail about prenatal diagnosis.
3. Write in brief about comprehensive metabolic panel.

Short Essays:

5 X 10 = 50 Marks

4. Newborn screening.
5. Levy Jennings Chart.
6. Predictive value and its importance.
7. Inborn errors of metabolisms.
8. Phlebotomy and universal precautions.
9. Isolation of DNA.
10. Reference intervals.
11. Prenatal diagnosis.
12. Renal panel and its clinical significance
13. POCT

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V SEMESTER

PAPER – II (Oncogenesis and Immunity Theory)

QP CODE: 9059

Your answer should be specific to the questions asked.

Write Question No. in left side of margin.

Long Questions

10X3 = 30 Marks

1. Discuss in detail about mechanisms of radiation carcinogenesis.
2. Give an account of barrier to classical compliment pathways
3. Explain Molecular mechanism of antibody production and Cell mediated immunity

Short Essays:

5 X 10 = 50 Marks

4. Reason why resistance of cells to apoptosis may lead to resistance to chemotherapy.
5. Write briefly about Bence jones protein.
6. Write briefly about proteinases and tumor cell invasion.
7. What is cancer? Explain the various factors involved in carcinogenesis.
8. What are carcinogens? Explain the mechanism of radiation carcinogenesis.
9. Write immunological aspect of AIDS.
10. Write the explanatory notes on
 - i. Antigen presenting cell.
 - ii) MHC complex
11. What are catalytic antibodies?
12. Write a short note on T cell receptors.
13. Write the structure, types and functions of Immunoglobulins.