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Roll No. ....

**2nd Sem / Branch : DMLT**  
**Sub.: Clinical Biochemistry**

Time : 3Hrs.

M.M. : 60

**SECTION-A**

**Note:** Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Uric acid is a \_\_\_\_\_ Product.  
a) Nitrogen                      b) Carbon  
c) Protein                        d) None of these
- Q.2 Plasma is a \_\_\_\_\_ Colour compound.  
a) Green                         b) Yellow  
c) White                         d) Red
- Q.3 Pipette is a \_\_\_\_\_ apparatus.  
a) Volumetric                  b) Plastic ware  
c) Glassware                  d) All of above
- Q.4 Protein is a chain of \_\_\_\_\_.  
a) Amino-acid                  b) Amylase  
c) Carbon                        d) Hydrogen
- Q.5 \_\_\_\_\_ is loose connective tissue of body.  
a) Blood                         b) Tissue  
c) Urine                         d) None of above

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Q.6 Blood sample is collected from \_\_\_\_\_.

- a) Vein                              b) Lumber  
c) Urine                            d) Ear Swab

**SECTION-B**

**Note:** Objective type questions. All questions are compulsory. (6x1=6)

- Q.7 Define uric acid.
- Q.8 Write the Normal value of urea.
- Q.9 Expand BCG.
- Q.10 Expand PFF.
- Q.11 Write the Normal value of blood glucose.
- Q.12 Define Protein.

**SECTION-C**

**Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 Write down the Clinical Significance of urea.
- Q.14 Discuss the urea cycle.
- Q.15 Write the Clinical significance of protein.
- Q.16 Write the procedure of uric acid estimation.
- Q.17 Write a short note on biuret D.A.M. method.
- Q.18 Write the procedure for calibration of volumetric apparatus.

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- Q.19 Discuss the procedure of albumin estimation.
- Q.20 How do you separate the serum.
- Q.21 Write the procedure of folin - wu method of PFF.
- Q.22 Write down the collection procedure of CSF sample.
- Q.23 Write the procedure for collection of blood sample.
- Q.24 Write a principle of blood glucose estimation.

### SECTION-D

**Note:** Long answer type questions. Attempt any two questions out of three questions. (2x8=16)

- Q.23 Write the principle, procedure & N.R. of Protein estimation.
- Q.24 Write the principle, procedure & N.R. of Blood urea estimation.
- Q.25 Explain the formation & exertion of urea.