

**PAPER CODE: MB2019102****KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES****WARANGAL, TELANGANA STATE - 506007****First Year M.B.B.S. (NEW REGULATION) DEGREE EXAMINATION:
MARCH 2021****BIOCHEMISTRY PAPER-II****Time: 3 Hours****Max Marks: 100****Note: Answer all questions.****Give Diagrammatic representation wherever necessary.****Long Answer Questions****2X15=30**

1. A new born baby develops yellowish discolouration of skin and conjunctiva after 3 days of birth. The condition is handled by giving phototherapy

A) What type of jaundice is it?

B) Name the biochemical test for its diagnosis?

C) Describe heme is degraded in the body.

D) Write about transport, conjugation, secretion and excretion of bilirubin

E) What is jaundice? Describe the different types of Jaundice and their causes

F) What is the normal serum bilirubin level.

G) Significance of entero hepatic circulation.

(1+1+3+4+3+1+2)

2. Discuss the metabolism of glycine? Give an account on biologically important compounds synthesised from glycine. Add a note on primary hyperoxaluria.

(6+7+2)**Short Answer Questions:****8X5=40**

3. Lesch-nyhan syndrome.

4. Give an account on DNA repair mechanisms.



5. Give an account on transcription? Add a note on inhibitors of transcription
6. Write about biologically important peptides.
7. Describe Urea cycle.
8. What are tumor markers? Discuss the clinical utility of any three tumor markers.
9. What is glomerular filtration rate(GFR)? Name the renal clearance tests. Give details of creatinine clearance test.
- 10 Hyperthyroidism

Very Short Answer Questions:

10X3=30

11. Structural organization of proteins.
12. Orotic aciduria
13. Give an account on mutations.
14. Clinical applications of PCR
15. Write about metabolic acidosis.
16. Hormonal regulation of calcium level
17. Normal Serum reference ranges of NPN substances,
- 18.S-Adenosyl Methionine.
19. Clinical applications of electrophoresis.
20. Phenylketonuria.
