

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES
TELANGANA STATE, WARANGAL – 506 002
BHMS SECOND PROFESSIONAL SUPPLEMENTARY DEGREE EXAMINATIONS:
JANUARY, 2026

PATHOLOGY AND MICROBIOLOGY

PAPER-I

(GENERAL PATHOLOGY AND SYSTEMIC PATHOLOGY)

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary with Black Ball point pen/ HB

Pencil / any dark colour Pencil.

Write ALL of the following Multiple Choice Questions:

10 X 1 = 10

1. Brain injury called Kernicterus is due to increased serum level
 - a) Haemozoin
 - b) Haemosiderin
 - c) Bilirubin
 - d) Lipofuscin
2. Incompatible blood transfusion cause
 - a) Type I Hypersensitivity reaction
 - b) Type II Hypersensitivity reaction
 - c) Type III Hypersensitivity reaction
 - d) Type IV Hypersensitivity reaction
3. Thrombus can have any fate except
 - a) Organization
 - b) Propagation
 - c) Thrombolism
 - d) Promotion
4. Scurvy is condition occurs due to
 - a) Vitamin A deficiency
 - b) Vitamin B deficiency
 - c) Vitamin C deficiency
 - d) Vitamin D deficiency
5. Right heart failure is predominantly characterised by the following except
 - a) Chronic venous congestion liver
 - b) Chronic venous congestion spleen
 - c) Chronic venous congestion kidney
 - d) Pulmonary congestion
6. Erythropoietin is produced by
 - a) Liver
 - b) Lungs
 - c) Bone marrow
 - d) Kidney
7. Following are the chronic obstructive diseases of the lungs except-
 - a) Chronic bronchitis
 - b) Emphysema
 - c) Bronchiectasis
 - d) Pneumonia
8. Cretinism is due to
 - a) Hyperthyroidism
 - b) Hypothyroidism
 - c) Hypopituitarism
 - d) Hyperpituitarism

9. Rheumatoid Arthritis is
- | | |
|---------------------------------------|--------------------------|
| a) Increased uric acid level disorder | b) Malignant disorder |
| c) Autoimmune disorder | d) Degenerative disorder |
10. Leiomyoma is known as
- | | |
|-------------|-----------------|
| a) Fibroid | b) Fibroadenoma |
| c) Seminoma | d) hemangioma |

Write a short essay on the following:

8 X 5 = 40

11. Define Hypertrophy. Write the causes of Hypertrophy.
12. Explain etiopathogenesis of fatty liver.
13. Enumerate five differences in gross features of Benign and malignant tumors.
14. Describe passive immunity.
15. Define Emboli. Classify emboli based on the matter.
16. Classify Hemolytic anemias.
17. Primary Tuberculosis - 3 components .
18. Describe the lesions in rheumatoid arthritis.

Write an essay on the following:

5 X 10 = 50

19. Define Gangrene. Differentiate between dry and wet gangrene.
20. Define and classify immunity. Describe the mechanism of innate immunity.
21. Define Thrombosis, discuss etiology of thrombosis. Add a note on fate of thrombus.
22. Write about the causes of iron deficiency anemia. Add a note on lab diagnosis of iron deficiency anemia.
23. Describe the effects of chronic renal failure.
