

Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE II Degree Examination – 04-Mar-2021

Time: Three Hours**Max. Marks: 100 Marks****PATHOLOGY - PAPER – II (RS3)****QP Code: 1082**

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS**2 x 10 = 20 Marks**

1. A 40-year-old woman noticed enlargement of her anterior neck region over the past 8 months. On physical examination her vital signs include Temp 36.8 C, Pulse 64/minute, RR 15/minute, and BP 155/105 mm Hg. There was diffuse, symmetrical thyroid enlargement without tenderness. A chest radiograph was normal. Fine needle aspiration of the thyroid revealed cells consistent with a neoplasm. Laboratory studies show that she is euthyroid, but her serum ionized calcium is elevated. She is taken to surgery and a thyroidectomy is performed. Immunostaining for calcitonin of the permanent sections is positive, and the neoplasm has an amyloid stroma with Congo red staining.
 - A. Which of the neoplasms is she most likely to have?
 - B. Describe the morphology of the tumor.
 - C. Name other tumors of thyroid
2. Classify tumors of bone. Describe gross and microscopy of osteosarcoma.

SHORT ESSAYS**10 x 5 = 50 Marks**

3. Helicobacter pylori
4. Renal calculi
5. Neuroblastoma
6. Chronic pancreatitis
7. Rheumatic heart disease
8. Precancerous lesions of skin
9. Ewings sarcoma
10. Benign teratoma ovary
11. Hashimoto's thyroiditis
12. Burkitt's lymphoma

SHORT ANSWERS**10 x 3 = 30 Marks**

13. Name tumors of testis
14. Name complications of myocardial infarction
15. Name complications of cirrhosis of liver
16. Microscopy of Crohn's disease
17. Morphology of chronic pyelonephritis
18. Define and classify emphysema of lung
19. Casts in urine
20. Lab diagnosis of multiple myeloma
21. HPV virus (Human Papilloma Virus)
22. List the complications of leiomyoma uterus