

BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D Course Work Examination

Paper II: BACKGROUND PAPER (PATHOLOGY)

QP CODE - 6021

19PHD007

Duration: 1 ½ Hrs

Max Marks: 50

I Answer the following

5 x 2 = 10 Marks

1. Define Proto-oncogenes & Oncogenes.
2. Enlist 4 tumor suppressor genes.
3. Histological features of leukoplakia.
4. Mention common sites for aero-digestive tract squamous cell carcinoma.
5. What is metastasis? Mention various routes of metastasis.

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Write note on altered cellular metabolism in malignancy.
7. Write note on Role of p53 as a guardian of genome.
8. Write note on Diagnostic modalities of upper aero-digestive tract malignancy.
9. Write note on role of sustained angiogenesis in malignancy.
10. Write note on Cancer Cachexia.

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Enlist fundamental changes in cell physiology, which are considered as the hallmarks of cancer. Add a note on mechanism of invasion and metastasis.
12. Enlist pre-malignant lesions of oral cavity. Describe molecular basis of oral malignancy.
13. Enlist risk factors of oropharyngeal squamous cell carcinoma. Describe role of epithelial-to-mesenchymal transition in the pathogenesis of oropharyngeal malignancy.

19PHD010

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I Answer the following

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1. Tumour markers.
2. FNAC findings in infective breast diseases.
3. Lactating adenoma.
4. Resistance to chemotherapy in breast cancer.
5. Fat necrosis.

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Prevention of breast cancer.
7. Role of immunohistochemistry for breast carcinoma.
8. Signal transduction pathways in cancer.
9. Effect of radiotherapy and chemotherapy in breast carcinoma.
10. Salivary gland type breast carcinoma.

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Discuss classification, aetiopathogenesis, molecular basis of breast carcinoma. Add a note on prognostic factors of breast carcinoma.
12. Discuss Role of FNAC in diagnosis of breast carcinoma. Discuss various cytological grading systems for breast carcinoma.
13. Classify & discuss proliferative breast diseases. Discuss clinical and histological features differentiating atypical ductular and lobular hyperplasia from invasive breast carcinoma.