

[LP 115]

OCTOBER 2019

Sub. Code: 2012

**M.D. DEGREE EXAMINATION**  
**BRANCH III – PATHOLOGY**  
**PAPER III – SYSTEMIC PATHOLOGY**  
*Q.P. Code: 202012*

**Time : 3 Hours**

**Maximum : 100 Marks**

**I. Essay:**

**(2 x 15 = 30)**

1. Enumerate the Embryonal Brain tumours in children. Describe the clinical features, histology, subtypes, Molecular pathogenesis, Immunophenotype of the commonest Embryonal tumour of the brain.
2. Enumerate non small cell lung carcinoma. Discuss the morphology and Immunophenotype of Adenocarcinoma.

**II. Write short notes on:**

**(10 x 5 = 50)**

1. Role of Immunofluorescence in skin lesions.
2. Non Alcoholic Fatty Liver Disease.
3. Diffuse Alveolar Damage.
4. Collagenous colitis.
5. Placental Pathology in hypertensive diseases of pregnancy.
6. Menetrier Disease.
7. Focal Segmental Glomerulosclerosis.
8. Thymoma.
9. Cystic tumours of pancreas.
10. Endometrial hyperplasia.

(2)

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. 30 year old female underwent cholecystectomy. On cut section, mucosa of gallbladder had a speckled appearance resembling strawberry (Strawberry Gallbladder). What would be the diagnosis? Describe its pathogenesis and histologic appearance.
2. 15 year old male presented with localized pain in the foot worse at night and relieved by NSAIDS. Imaging studies showed dense cortical sclerosis surrounding a radioluscent nidus involving the right metatarsal bone. What would be the possible diagnosis and describe its morphological features?
3. 20 year old patient who was phenotypically female with signs of virilisation presented with a tumour involving gonad. On cut section the gonadal mass showed foci of calcification. What would be the possible diagnosis and describe its morphological features?
4. 40 year old male presented with headache, visual disturbances and endocrine defects. Imaging studies showed a suprasellar mass. Excised tumour on cut section had solid and cystic areas filled with fluid like machine oil. What is the diagnosis and describe its histologic features?

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