

[LM 115]

MAY 2018

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. Discuss the Recent classification of Diffuse Gliomas based on histologic and genetic features. Describe the morphology of Glioblastoma and its variants.
2. Classify Gestational Trophoblastic Diseases. Discuss briefly the morphology and immunophenotype of Gestational Trophoblastic Tumours.

II. Write short notes on:

(10 x 5 = 50)

1. Barrett Esophagus.
2. Prostatic Intraepithelial Neoplasia.
3. Endomyocardial Biopsy.
4. Sclerosing Cholangitis.
5. Tumours of orbit.
6. Hereditary Hyperbilirubinemia.
7. Pindborg Tumour.
8. Pulmonary Alveolar Proteinosis.
9. Para testicular tumours.
10. Merkel cell carcinoma.

(2)

III. Reasoning Out:

(4 x 5 = 20)

1. 25 year old male presented with a solitary tumour involving the epiphyses of humerus. Xray showed an eccentric radioluscent lesion with a sharp sclerotic margin and areas of calcification. The histopathology of the tumour showed chickenwire calcification. What is the diagnosis? Describe the other histological features of the tumour.
2. 20 year male presented with fever, hemoptysis, diarrhea and flushing. Bronchoscopy revealed a polypoid mass 2 cm in diameter arising in the right main bronchi. The mass was seen projecting into the lumen of the bronchus, covered by intact mucosa and penetrated the bronchial wall to fan out in the peribronchial tissue as a “collar button” lesion. Excised tumour on cutsection had a gray to yellow cutsurface. What is the diagnosis? Describe the histology and immunophenotype of the tumour.
3. 19 year old female presented with abdominal pain and rapidly growing right ovarian mass. Serum levels of Alpha feto protein was elevated. What is the diagnosis? Describe the morphology of the ovarian tumour.
4. 38 year old pregnant woman had vaginal bleeding with passage of grape like vesicles. Her uterus was disproportionately large for the stage of pregnancy. Ultrasonogram showed typical “Snowstorm” appearance. What is the diagnosis? Describe the pathogenesis and histology of the lesion.
