

[LO 115]

MAY 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. Discuss Muscular dystrophies. Describe the pathogenesis and genetics of X-Linked Muscular Dystrophy with a note on morphology and clinical course.
2. Discuss in detail about etiology and pathogenesis of Inflammatory Bowel Disease. Describe the morphology and clinical course of Ulcerative colitis and mention the differences between Crohn's disease and Ulcerative colitis.

II. Write short notes on:

(10 x 5 = 50)

1. Cardiomyopathy.
2. Recent advances in grading of prostate adenocarcinoma.
3. Cholangio carcinoma.
4. Ulcers of small intestine.
5. Gastric lymphoma.
6. Meningioma.
7. Premalignant conditions of the oral cavity.
8. Paraganglioma.
9. Metabolic bone disorders.
10. Malignant Mesothelioma.

III. Reasoning Out:

(4 x 5 = 20)

1. A 32 year old man underwent appendicectomy. On gross examination, a bright yellow lesion was seen in the tip of appendix. What is the probable diagnosis? Discuss the pathology of the lesion. Add a note on special stains which may be useful in the diagnosis?
2. A 3 year old child presented with mass in the right hypochondrium. Serum AFP level was markedly elevated. Discuss the pathogenesis and morphology of this condition.
3. A 34-year-old woman has a mass in the neck which is a tumour with nests of polygonal cells in a stroma containing amyloid. Immunostaining for calcitonin is positive. Discuss the morphology of this condition and special stains used in diagnosis.
4. 28 year old primi developed vaginal bleeding in her 2nd trimester. Her BP was 160/100 mmHg. On examination, uterus appeared large for dates. Ultra sound revealed 'snow storm' intra uterine content without fetus. Discuss the pathogenesis and morphology of this condition.
