**[LN 114]** OCTOBER 2018 **Sub. Code: 2011**

**M.D. DEGREE EXAMINATION**

**BRANCH III – PATHOLOGY**

**PAPER II – GENERAL PATHOLOGY**

***Q.P. Code: 202011***

**Time : 3 Hours** **Maximum : 100 Marks**

**I. Essay:** **(2 x 15 = 30)**

1. Enumerate the Cytogenetic disorders involving autosomes and sex chromosomes. Discuss in detail about Turner syndrome. Write briefly about Hermaphroditism.

2. Discuss about Autoimmune Diseases. Describe the mechanism of Autoimmune diseases. Write in detail about morphology of Systemic Lupus Erythematosus.

**II. Write short notes on:** **(10 x 5 = 50)**

1. Cellular aging.
2. Pathologic calcification.
3. Cystic fibrosis.
4. Leukotrienes.
5. Xeroderma pigmentosum.
6. Tay-Sachs Disease.
7. Marfan syndrome.
8. Tumor markers.
9. Anti phospholipid antibody.
10. Vitamin A deficiency.

**III. Reasoning Out:** **(4 x 5 = 20)**

1. A known case of multiple myeloma patient developed renal failure. What is the probable cause? Discuss the special stains and histopathological findings used for diagnosis.

2. 6 years old male presented with posterior mediastinal mass and multiple axillary nodes with bone pain. Biopsy from the mass showed small round cells with finely fibrillar matrix. Discuss the differential diagnosis for this case.

3. A 23 year old football player falls and hits the right side of his head against a bench. He gets up and resumes play. He collapses about 40 minutes later. Radiology reveals a convex area of hemorrhage centered in the right parietal region. Discuss the probable diagnosis.

4. 40 year old male who is a contortionist is able to bend his thumb backward to touch the forearm and bend his knee forward to create almost a right angle? Discuss the underlying condition in this person.

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