

[LI 114]

APRIL 2016

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 10 = 20)**

1. Laboratory diagnosis of cancer.
2. Macrophages in health and disease.

**II. Write short notes on:**

**(8 x 5 = 40)**

1. Wegener's granulomatosis.
2. Angiogenesis in inflammation and repair.
3. Chronic granulomatous disease.
4. Pulmonary embolism.
5. Tumour suppressor genes.
6. Primary immuno deficiency states.
7. Stem cells in tissue homeostasis.
8. Secondary pulmonary tuberculosis.

**III. Reasoning Out:**

**(4 x 5 = 20)**

1. A 45 year old lady gave birth to a baby with flat facial profile, oblique palpebral fissures and epicanthic folds. What is the probable diagnosis? Discuss the genetic aspects, clinical features and ways of prevention.
2. A 45 year old male presented with PUO and pain in right hypochondrium. USG showed SOL liver. Discuss the differential diagnosis. Add a note on special stains which may be useful.
3. A 12 year old boy was administered PPD injection intracutaneously. The boy developed reddening and induration at the site of injection after 12 hours. What is the pathology of this reaction?

4. A 2 year old child presented with abdominal mass, fever and weight loss. The child had elevated urine levels of VMA and HVA. What is the probable diagnosis? Discuss the prognostic factors.

**IV. Very Short Answers:**

**(10 x 2 = 20)**

1. Lipofuscin pigment.
2. Enumerate oncogenic viruses.
3. 2 pathways for initiation of apoptosis.
4. Karyotype banding techniques.
5. Hydatid sand.
6. Neutrophil granules.
7. Role of calcium in cell injury.
8. Lymphedema.
9. Scurvy.
10. Genetic disorders associated with maternal inheritance.

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