



**AB-4207**  
**P. G. D. M. L. T. Examination**  
**April/May – 2015**  
**Paper - II : Clinical Pathology & Parasitology**

Time : 3 Hours]

[Total Marks : 70

**Instruction :**

(1)

<p>नीचे दृशावेव निशानीवाणी विगतो उत्तरवही पर अवश्य लपवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : P. G. D. M. L. T.</p> <p>Name of the Subject : Paper - II : Clinical Pathology &amp; Parasitology</p> <p>Subject Code No. : 4 2 0 7 Section No. (1, 2,.....): 1&amp;2</p>	<p>Seat No. : □ □ □ □ □ □</p> <p style="text-align: center; border: 1px solid black; border-radius: 15px; padding: 10px;">Student's Signature</p>
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- (2) Answers to each section to be written in separate answer book.
- (3) Answer all the questions.
- (4) Draw neat and labelled diagrams wherever ecessary.
- (5) Figures to the right indicate full marks of e question.

**Section - I (Clinical Pathology)**

1 Describe the physical and chemical examination of urine sample. 12

OR

1 Describe collection, physical, and microscopic examination for sputum analysis. 12

2 Write short notes on any **three** of the following :( Out of five) 15

- (a) Stool concentration methods
- (b) CSF findings in Bacterial meningitis & TB meningitis.
- (c) Microscopic examination of Semen
- (d) Tissue processing
- (e) Two tests of gastric secretions after stimulation

- 3** Answer in short on any four of the following: (Out of six) **8**
- (a) Enumerate two fixatives for histopathology specimens
  - (b) Collection of urine sample for Pregnancy test.
  - (c) Composition of normal CSF
  - (d) Medicolegal significance of semen examination.
  - (e) Stool preparation and staining for microscopic examination.
  - (f) Collection of Semen sample.

### **SECTION-II (Parasitology)**

- 1** Describe the morphology, life cycle and laboratory diagnosis **12**  
of *Toxoplasma gondii*.

**OR**

- 1** Describe the morphology, life cycle and laboratory diagnosis **12**  
of *Dracuculus medinensis*.

- 2** Write short notes on any three of the following :(Out of five) **15**
- (a) *Taenia saginata*
  - (b) Pathogenicity of *Anchylostoma deodenale*
  - (c) Life cycle of *Echinococcus granulosus*
  - (d) Trematode Vs Cestodes.
  - (e) Laboratory diagnosis of Kala azar

- 3** Answer in short on any four of the following: (Out of six) **8**
- (a) Define: Host & Parasite with examples
  - (b) Egg of *Enterobius vermicularis*
  - (c) Sick cell anaemia provides resistance to malaria, explain
  - (d) Explain MIH swab
  - (e) Describe morphology of *Trichuris trichiuria*
  - (f) Explain larval forms of *Strongyloides stercoralis*