



**DBG-2012143**

Seat No. \_\_\_\_\_

**Second Year M. B. B. S. Examination**

**May - 2022**

**Microbiology : Paper-II**

**(Virology, Parasitology, Mycology, Recent Advances)**

**(Old Course)**

Time : 2 Hours]

[Total Marks : 40

- Instructions :** (1) Figures on right side indicate full marks.  
(2) Draw figures wherever necessary.  
(3) Write Section-1 and Section-II in separate answer sheet.

**Section - I**

- 1 A 39 years old male patient presented with short history 10  
of intermittent High grade fever with chills & rigors which  
subsides with profuse sweating.  
On clinical examination mild splenomegaly and hepatomegaly  
is noticed. Blood smear revealed ring form of parasite in Rbc.
- (a) What is the clinical condition ? 1  
(b) Name the most probable parasite responsible for 1  
said condition.  
(c) Describe the laboratory diagnosis of most suspected 8  
infection.
- 2 Write short notes on. (Any Two) 10  
(a) Laboratory diagnosis of HIV infection.  
(b) Hepatitis B virus.  
(c) Laboratory diagnosis of Rabies.

**Section - II**

- 3** Write short answer. (Any Two) **10**
- (a) Laboratory diagnosis of fungal infection
  - (b) Candidiasis.
  - (c) Aspergillosis
- 4** Answer in 2-3 sentences (any five) **10**
- (a) Name 4 parasites found in peripheral blood.
  - (b) Define definitive & intermediate host
  - (c) Name four DNA virus.
  - (d) Name four mosquito born infection\_
  - (e) Germ tube.
  - (f) Name four fungus producing systemic fungal infection.
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