

Date: 07-03-2017

KL 2816**Second Year MBBS Examination****II MBBS Microbiology Paper 2**

Time: 2 hours

Max Marks: 40

Instructions:

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

Section 1

1. MCQ (8)
 - a. Both DNA and RNA are absent in A. Bacteria
B. Prion C. Viroid D. Plasmid
 - b. Virus causing Hemorrhagic conjunctivitis virus
is A. Arbovirus B. Enterovirus C. Rabies
virus D. Herpes Virus
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- c. All of the following are non Enveloped DNA virus except A. Herpes virus B. Adeno virus C. Parvo virus D, Papavo virus
- d. Each of the following statements concerning *Ascaris lumbricoides* is correct except
:A. *Ascaris lumbricoides* is one of the largest nematode B. *Ascaris lumbricoides* can cause pneumonia C. Both dogs and cats are intermediate host of *Ascaris lumbricoides* D. *Ascaris lumbricoides* is transmitted by ingestion of eggs
- e. Each of the following statements concerning Kala-azar is correct except: A. Kala-azar is caused by *leishmania donovani* B. Kala-azar is transmitted by the bite of sandflies C. Kala-azar occurs primarily in rural latin America D. Kala-azar can be diagnosed by finding amastigotes in bone marrow.
- f. Each of the following statements concerning hookworm infection is correct except: A. Hookworm infection can cause pneumonia B. Hookworm infection is acquired by humans when filariform larvae penetrate the skin C. Hookworm infection is caused by *Necator americanus* D. Hookworm infection can be diagnosed by finding the trophozoite in the stool

- g. Each of the following statements concerning *Trichomonas vaginalis* is correct except: A. *T. vaginalis* is transmitted sexually B. *T. vaginalis* can be diagnosed by visualizing the trophozoite C. *T. vaginalis* can be treated effectively with metronidazole D. *T. vaginalis* causes bloody diarrhoea
- h. Virus is usually cultured in A. Rogosa Blood Agar B. Non-embryonated Hen Eggs C. Embryonated Hen Eggs D. Sabouraud medium Agar

Section 2

1. Write notes on: (any two) (10)
 - a. Primary amoebic meningoencephalitis
 - b. Opportunistic fungal infections
 - c. Interferons.
2. Write short answer on: (any two) (6)
 - a. Two parasites causing visceral larva migrans.
 - b. Four Arbo viruses prevalent in India.
 - c. Enumerate dermatophytes.
3. Write short notes on: (any two) (10)
 - a. Mycetoma
 - b. Extra intestinal amoebiasis

- c. Viral haemorrhagic fever,
4. Write short answers on: (any two) (6)
- a. Prions.
 - b. Autoinfection.
 - c. Germ tube test.

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