



South Valley University
Faculty of Medicine
Dept. of Microbiology and Immunology



Third year examination in Microbiology and Immunology
End Term 1 examination

Date: 18-1-2016

Time allowed: 2 hours

Answer the following questions:-

I. Compare between the following (*in tables*). {3 marks each}

1. B cell and T cell activation.
2. Specific and non-specific APC with examples.
3. Hypersensitivity types.
4. Transformation, transduction and conjugation
5. Conjugative and non conjugative plasmid

II. Give reason(s) for each of the following (*In short items*):- {1.5 marks each}

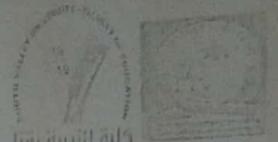
1. Bacterial cells are protected from destruction by its own restriction endonuclease enzyme.
2. Real time PCR has several advantage over conventional PCR.
3. Sabouraud dextrose agar with chloramphenicol and actidion are selective for isolation of pathogenic fungi.
4. Interferon and IL4 are regulatory cytokines.
5. Negative and positive selection of T cells are very important.
6. Viruses are obligatory intracellular agents.
7. Mycoplasma are resistant to β -lactam antibiotics.
8. Living attenuated vaccines are superior than killed vaccines.

III. Write short account on the following:- { 3 marks each}

1. Replication of retroviruses.
2. Monoclonal antibodies (production and applications).
3. Graft rejection (types and mechanisms).
4. Recombinant DNA technology (principle and applications).
5. General outlines for diagnosis of fungal infections.

Good luck

الامتحان الشفهي بعد الامتحان النظري مباشرة بالقسم للارقام من ١ - ٦٠
ومن ٦١ - حتى الاخر يوم الخميس من الساعة ٩ صباحا بالقسم مبنى الكلية الجديد



كلية التربية بقنا
قسم علم النفس التربوي
المقرر : مهارات الاتصال

الفرقة : الثالثة بكلية الطب
الزمن : ساعة واحدة
التاريخ : ٢٠١٧/١٧/٨ م

امتحان دور يناير ٢٠١٧ م
درجات الامتحان : ٥٠ درجة

أجب عن سؤالاً واحداً فقط فيما يلي :

السؤال الأول (٥٠ درجة)

١. عرف عملية الاتصال موضعاً صفاتها وأهميتها في الحياة العملية للطبيب .
٢. بين الفروق الفردية في الاتصال حسب النوع .
٣. يتعامل الطبيب في محيط عمله مع أشخاص مختلفين في أنماطهم البشرية اشرح هذه العبارة مبيناً سمات الشخص العديد، وكيفية التعامل معه .
٤. حدد الدلالات العملية للتصرفات غير اللفظية التالية : الاسترخاء على الكرسي ، تضييق العين ، الإلتصاف للأمام .
٥. اشرح واحدة فقط من مهارات الاتصال مع الآخرين .

السؤال الثاني (٥٠ درجة)

١. اشرح باختصار عناصر عملية الاتصال .
٢. ارسم مخططاً لنموذج Harold Lasswell في الاتصال مبيناً باختصار كيف يمكنك تطبيقه في مجال العمل .
٣. اعرض لمفهوم الغضب ، و بين كيفية إدارة الغضب لتحقيق الاتصال الفعال .
٤. حدد الدلالات العملية للتصرفات غير اللفظية التالية : قضم الشفاة ، الإيماءات لأعلى ولأسفل ، تركيز العين في عين الطرف الآخر .
٥. اشرح واحدة فقط من مهارات الاتصال المكتابي .

السؤال الثالث (٥٠ درجة)

١. استعرض باختصار أشكال الاتصال .
٢. اشرح طرق الاتصال مع الذات .
٣. يتعامل الطبيب في محيط عمله مع أشخاص مختلفين في أنماطهم البشرية اشرح هذه العبارة مبيناً سمات الشخص الباحث عن الأخطاء وكيفية التعامل معه .
٤. حدد الدلالات العملية للتصرفات غير اللفظية التالية : رفع الحواجب مع ابتسامة مصطنعة ، التثاؤب ، الاستقامة والابتدال في الجلسة .
٥. اكتب تعميماً مقترحاً - كطبيب إذا كنت تدير مؤسسة علاجية مراعيها مواصفات التعميم الجيد .

أرق التعريف بالتوثيق والتوثوق /٥٠ مصوبه عبد الظاهر الضوي



South Valley University



Faculty of medicine

Department of Medical Parasitology

Final Exam of Medical Parasitology for 3rd year medical students.

Date : 20-6-2016.

Time : 2 hours.

Total marks : 32 degrees.

Answer the following questions and illustrate your answer with diagrams whenever possible .

1. Hepatomegaly is a common parasitic finding . (7 marks)
 - a. Enumerate four protozoal causes .
 - b. Mention the infective, diagnostic stages and mode of infection of each of them.
 - c. Mention the asexual life cycle of that associated with haemolytic anaemia.
2. Adult patient presented by fever with convulsions with a history of diving in swimming pool. (5 marks)
 - a. Define the possible parasitic cause.
 - b. Mention the infective stage(s) and mode of infection.
 - c. How to confirm your diagnosis?
3. How arthropods can affect man? (3 marks)
4. What is the medical importance of lice and ticks? (3 marks)
5. Write a short account on (6 marks)
 - a. Chronic Chagas disease.
 - b. Congenital toxoplasmosis.
 - c. Scabies .
6. Choose the correct answer: (4 marks)
 1. In malaria infection, man acts as:
 - a. Intermediate host .
 - b. Definitive host .
 - c. Reservoir host .
 - d. Both intermediate host & definitive host.
 2. Which of the following parasites should you first consider if the symptoms include bulky, frothy and pale diarrhea?
 - a. *Entamoeba histolytica*.
 - b. *Giardia lamblia*.
 - c. *Entamoeba coli*.
 - d. *Balantidium coli*
 3. The infective stages of the following protozoa are present in the salivary glands of the vector, except:
 - a. *Plasmodium* spp.
 - b. *Trypanosoma rhodesiense*.
 - c. *Trypanosoma gambiense*.
 - d. *Trypanosoma cruzi*

4. The infective stages in congenital malaria is:

- a. Sporozoites
- b. Erythrocytic Merozoites.
- c. Gametocytes.
- d. Trophozoites.

5. Q-fever is transmitted through:

- a. Saliva of ticks
- b. Stool of ticks
- c. Saliva & stool of ticks
- d. Crushing of tick

6. *Cyclops* is NOT the intermediate host in the following infection:

- a. *D. latum* infection
- b. *D. mansoni* infection
- c. *D. medinensis* infection
- d. *D. caninum* infection

7. Scrub typhus is transmitted by:

- 1. Indirect mechanical transmission.
- 2. Cyclopropagative transmission.
- 3. Cyclodevelopmental transmission.
- 4. Trans-stadial transmission.

8. Diagnosis of myiasis depends on:

- a- Severity of the case
- b- Site of the lesion
- c- Size of the invading larvae
- d- Identification of posterior spiracles

7. Complete the following sentences:

- a. In visceral leishmaniasis culture of the biopsy material on NNN medium may show while the diagnostic stage that may found in lymph node biopsy in Chagas disease is.....
- b. Xenodiagnosis is a method used for diagnosis of
- c. Ocular myiasis is caused by while accidental myiasis is caused by.....
- d. Female *Anopheles* transmits while the human flea transmits.....
- e. Tick paralysis occurs due to.....



South valley University

Date: 14/6/2017

Total marks: 32

Handwritten signature and name in Arabic: محمد عبد الحليم
ع. م. م. م. م.



Faculty of Medicine

Medical Parasitology

Time: 2 hours.

Number of pages: 4

Final exam of Medical Parasitology for 3rd year medical students

Answer all the following questions, illustrate your answer with a diagram whenever possible:

1. Arthropods play an important role in transmitting parasitic diseases: (6 marks)
 - a) Mention 3 protozoa transmitted biologically by arthropods.
 - b) For each parasite comment on:
 - Vector
 - Type of transmission
 - Infective stage
 - Mode of infection
2. Write on the clinical manifestation and diagnosis of scabies in immunocompetent and immunocompromised individuals (4 marks)
3. Draw a labeled diagram for one protozoal stage that may be found in the following: (2 marks)
 - Blood film.
 - Stool sample.
 - Vaginal discharge.
 - Deudenal aspirate.
4. Differentiate between the following (4 differences for each one) (4 marks)
 - Bacillary and balantidial dysentery.
 - *Plasmodium* spp. and *Babesia* spp.

5. Give a brief account on the role of the following arthropods in transmission of diseases: (5 marks)

- *Pulex irritans*
- *Musca demestica*
- *Phlebotomus papatasi*
- *Culex pipiens*. (Discuss how to control its aquatic stages).
- Hard ticks.

6. Describe the life cycle of *Toxoplasma gondii* in the intermediate hosts: (2 marks).

7. A male patient 24 years old working in Sinai presented with a skin ulcer in the distal part of the leg. It was round, shallow and with elevated undermined margin. (4 marks)

- a) What is your preliminary diagnosis?
- b) How would you confirm your diagnosis? Draw the diagnosis stage (s).
- c) Mention the infective stage and the vector transmitting this parasitic infection.
- d) Mention other modes of infection by this parasite.

Choose the correct answer: (5 marks)

1. *Naegleria fowleri* infection is diagnosed by :

- a. Blood film .
- b. Stool examination .
- c. CSF examination .
- d. None of the above

2. Food handlers can be a source of infection with all the following except:

- a- *E. histolytica* .
- b- *Giardia lamblia*.

c- *Cryptosporidium*.

d- *Isospora belli*

3. Modified Diamond's medium may be used for diagnosis of:
 - a. *Neglaria fowlari*.
 - b. *Trichomonas vaginalis*.
 - c. *Giardia lamblia*.
 - d. *Leishmania*.
4. Post-dermal leishmanoid nodules appear lately in:
 - a. Visceral leishmaniasis.
 - b. New world cutaneous leishmaniasis.
 - c. Old world cutaneous leishmaniasis.
 - d. Mucocutaneous leishmaniasis.
5. The diagnostic stage that may be found in lymph node biopsy in Chagas disease is:
 - a. Epimastigote form.
 - b. Promastigote form.
 - c. Amastigote form.
 - d. Trymastigote form
6. Vagabond's disease is:
 - a. A chronic parasitic infestation with lice, causing generalized eruption, secondary pigmentation and thickened skin.
 - b. Sometimes called tick paralysis.
 - c. Caused by house dust mites.
 - d. A complication of bed bug infestation.
7. *Pediculus humanus corporis* transmits all the following diseases, except:
 - a. Epidemic typhus fever.
 - b. Epidemic relapsing fever.
 - c. Endemic typhus .

- d. Trench fever.
8. Semi-specific myiasis is caused by.
- a. *Musca domestica*.
 - b. *Fannia*.
 - c. *Dermatobia*.
 - d. *Lucilia*.
9. All these insecta are obligatory temporary ectoparasites, except:
- a. *Xenopsylla cheopis* .
 - b. *Pediculus humanus* .
 - c. Female *Culex* .
 - d. Female Sand fly.
10. Trans-ovarian transmission occurs in:
- a- Human fleas
 - b- Metallic flies
 - c- Hard ticks
 - e- Mosquitoes
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Best wishes

Dr. Osama Abdella

Dr. Asmaa El-kady