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Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2021

Programme Name: M. Sc. Microbiology	Semester : III
Course Name : Venerable and Tropical Disease	Time : 180min
Course Code : HSMB8008P	Max. Marks : 100

SECTION A

- 1. Each Question will carry 1.5 Marks**
2. Instruction: Complete the statement / Select the correct answer(s)

		Marks	
Q 1	Write three examples of STDs that can be transmitted by oral route	1.5	CO1
Q2	Causative agents for Filariasis is.....	1.5	CO2
Q3	Syphilis is caused by <i>Neisseria gonorrhoea</i> a) True b) False	1.5	CO2
Q4	American trypanosomiasis is transmitted by fly	1.5	CO2
Q5	African trypanosomiasis is caused by	1.5	CO2
	Who discovered the causative agent for Malaria? a) Charles Louis Alphonse Laveran b) Ronald Ross c) Louis Pasteur d) None of them	1.5	CO2
Q6	HIV positive and AIDS, both are same a. True b. False	1.5	CO1
Q7	Which of the following diseases are endemic to tropical regions? a. HPV infection b. Syphilis c. Hepatitis d. None of them	1.5	CO1
Q8	HIV can be transmitted by the saliva, tears, and sweat a. True b. False	1.5	CO1
Q9	Which of the following activity can transmit a TB from patient to a healthy person? a. Droplet infection b. Close contact c. Coughing d. All of the above	1.5	CO1

Q10	Which of the following disease is not vector-borne? a. Malaria b. Dengue c. Chikungunya d. Hepatitis	1.5	CO1
Q11	Dengue virus belongs to family of a. Picornaviridae b. Hepadnaviridae c. Flaviviridae d. None of the above	1.5	CO2
Q12	African Trypanosomiasis is spread by a. Tsetse fly b. Anopheles mosquito c. Sand fly d. None of the above	1.5	CO3
Q13	Sir Ronald Ross discovered that malaria causing protozoa is transmitted by female Anopheles mosquito a. True b. False	1.5	CO2
Q14	Cord factor is found in the cell wall of a. <i>Bacillus subtilis</i> b. <i>Escherichia coli</i> c. <i>Mycobacterium tuberculosis</i> d. All of the above	1.5	CO1
Q15	Leishmaniasis also known as a. Dum Dum fever b. London fever c. Both of the above d. None of them	1.5	CO3
Q16	Sir U. N. Brahmachari discovered the drug to treat Kala-azar a. True b. False	1.5	CO3
Q17	Chagas disease is caused by <i>Trypanosoma cruzi</i> a. True b. False	1.5	CO3
Q18	The gp120 on the HIV surface binds to receptor over the host cell	1.5	CO1
Q19	<i>Chlamydia trachomatis</i> a. Lymphogranuloma venereum b. Chlamydiosis c. Trachomatosis d. All of the above	1.5	CO2
Q20	How HSV virus passed from person to person? a. Through the air b. Through sexual intercourse c. On dirty toilet seats d. By shaking hands or other casual touch	1.5	CO2

SECTION B

1. Each question will carry 5 marks

2. Instruction: Write short / brief notes

Q1	a. are TB infection and TB disease same? b. How are TB bacilli transmitted?	2+3=5	CO1
Q2	a. How traveler's diarrhea can be prevented? b. Name two causative agents for traveler's diarrhea?	3+2=5	CO2
Q3	a. Write name of a vector borne disease and the causative agents b. Write briefly its disease symptoms,	2+3=5	CO3
Q4	a. What are the differences between African and American trypanosomiasis? b. Write the symptoms and the testing of trypanosomiasis?	3+2= 5	CO3

SECTION C

1. Each Question carries 15 Marks.

2. Instruction: Write long answer.

Q1	A 25-year old man admitted to the hospital with thrush, diarrhea, unexplained weight loss, and difficulty in breathing. Cultures of pulmonary fluid reveal the presence of Pneumocystis. The man admits to being a heroin addict and to sharing needles in a "shooting gallery". a) What type disease you think that can initiate opportunistic infection like Pneumocystis? b) How did the man most likely acquire that infection? c) What types of precaution the health care worker should take during handling of blood? d) Discuss the stages of that infections	3+2+4+6=15	CO1
Q2	a. How you can differentiate cholera with shigellosis? b. Write name of the microbes that cause cholera with shigellosis. c. Write the mode of action of cholera toxin d. Write a short note on Peptic ulcer.	3+2+6+5=15	CO4

SECTION D

1. Each Question carries 10 Marks.

2. Instruction: Write short answer.

Q1	a) What is Hepatitis? b) How someone can get infected with Hepatitis B? c) Briefly write the stages of Hepatitis B infection? d) Can Hepatitis be transmitted through faecal-oral route?	2+2+3+3=10	CO2
Q2	a. Write a short note on malarial infections along with the causative agents, vectors, and common symptoms b. What are the preventive measure one should follow to control such infections	6+4=10	CO4