(7 pages) Reg. No. :	2. Which of the following bacteria is present a
Code No.: 30551 E Sub. Code: CMMI 53	normal flora in the acidic P <sup>H</sup> of the vagina?
	(a) Clostridium botulinum
B.Sc. (CBCS) DEGREE EXAMINATION,	(b) Lactobacillus acidophilus
NOVEMBER 2023.	(c) Neisseria gonorrhoeae
Fifth Semester	(d) Streptococcus mutans
Microbiology - Core	3. What is the most common mode of transmission of leprosy?
MEDICAL AND DIAGNOSTIC MICROBIOLOGY	(a) Droplet infection
(For those who joined in July 2021 - 2022)	(b) Direct contact
	(c) Biting of the insects
Time: Three hours Maximum: 75 marks	(d) None of the above
PART A — $(10 \times 1 = 10 \text{ marks})$	4. Intestinal perforation is the ultimate symptom of the extreme stage of which disorder?
Answer ALL questions.  Choose the correct answer.	(a) Malaria (b) Filaria
	(b) Flaria
<ol> <li>If a disease jumps from non-human animal to a human, then it is termed as?</li> </ol>	5. How long can a person carry HSVI mid-
(a) Infectious disease	showing symptoms?
(b) Congenital disease	(a) Lifetime
(c) Iatrogenic disease	(b) A few weeks
(d) Zoonotic disease	(c) A few months
	(d) It varies from person to person
	Page 2 Code No.: 30551 F
	Andrew as a
There is no vaccine against HIV, because of	9. Name the sterilization method, which is most frequently used in hospitals and clinical laboratories for the heat-labile liquid substantial.
<ul> <li>There is no vaccine against HIV, because of</li> <li>(a) The virus is so antigenic ally variable</li> </ul>	9. Name the sterilization method, which is most frequently used in hospitals and clinical laboratories for the heat-labile liquid substance or antibiotics?
	frequently used in hospitals and clinica laboratories for the heat-labile liquid substance
<ul><li>(a) The virus is so antigenic ally variable</li><li>(b) Such a vaccine would be too expensive</li></ul>	frequently used in hospitals and clinica laboratories for the heat-labile liquid substance or antibiotics?
<ul> <li>(a) The virus is so antigenic ally variable</li> <li>(b) Such a vaccine would be too expensive</li> <li>(c) The virus can be controlled by a change in</li> </ul>	frequently used in hospitals and clinical laboratories for the heat-labile liquid substance or antibiotics?  (a) Dry heat
<ul> <li>(a) The virus is so antigenic ally variable</li> <li>(b) Such a vaccine would be too expensive</li> <li>(c) The virus can be controlled by a change in sexual habits</li> </ul>	frequently used in hospitals and clinical laboratories for the heat-labile liquid substance or antibiotics?  (a) Dry heat  (b) Radiation
<ul> <li>(a) The virus is so antigenic ally variable</li> <li>(b) Such a vaccine would be too expensive</li> <li>(c) The virus can be controlled by a change in</li> </ul>	requently used in hospitals and clinical aboratories for the heat-labile liquid substance or antibiotics?  (a) Dry heat (b) Radiation (c) Filtration (d) Formaldehyde
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[P.T.O.]

(a) Write short note on gas gangrene.

Or

- (b) Explain the diagnostic methods used for tuberculosis.
- 13. (a) Write short note on common cold.

Or

- (b) Give an account on cytomegalo virus (CMV).
- 14. (a) Explain about Coccidioides immitis.

Or

- (b) Describe Chromoblastomycosis.
- (a) Write about various chemicals used as disinfectants.

Or

(b) Explain different methods of sample collection to diagnose bacterial diseases.

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19. (a) Give a detailed account on Amoebiasis.

Or

- (b) Write in detail about Hospital acquired infection and hospital infection control programme.
- (a) Write about the biomedical waste management in a medical microbiology laboratory.

Or

(b) Give a detailed account on vaccine types and its preparations.

PART C —  $(5 \times 8 = 40 \text{ marks})$ 

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Give a detailed account on the normal microbial flora of human body.

Or

- (b) Give a detailed account on virulence factors of microbes.
- 17. (a) Write about the clinical symptoms, pathogenesis and laboratory diagnosis of Cholera.

Or

- (b) Give a detailed account on sexually transmitted bacterial diseases.
- (a) Describe the morphology, pathogenesis and clinical symptoms of Mumps.

Or

(b) Explain the pathogenesis, clinical symptoms and laboratory diagnosis Herpes simplex virus.

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