

**SECOND PROFESSIONAL B.H.M.S. EXAMINATION
PATHOLOGY AND MICROBIOLOGY PAPER - II
SUBJECT CODE: HOM UG-PATH-M**

TIME: 3 HOURS**TOTAL MARKS: 100**

- INSTRUCTIONS:**
1. ATTEMPT ALL THE QUESTIONS.
 2. DRAW DIAGRAMS WHEREVER NECESSARY.
 3. FIGURES IN RIGHT INDICATES FULL MARKS

Q – 1 Multiple Choice Questions.**10****1) Which example not included in moist heat sterilization.**

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|--------------|-------------------|
| A. Radiation | B. Boiling |
| C. Autoclave | D. Pasteurization |

2) Which organism are creating bunch of grapes like look?

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|--------------------------|--------------------|
| A. Coryne Diptherae | B. MTB |
| C. Staphylococcus aureus | D. Vibrio cholerae |

3) Which are protozoans?

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|----------------------------|------------------------|
| A. Echinococcus Granulosus | B. Ascaris Lumbricoids |
| C. Toxoplasma Gondi | D. Loa Loa |

4) Example of Large virus?

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|----------------|-----------------|
| A. Parvo virus | B. Herpes virus |
| C. HIV | D. Chicken pox |

5) Widal test is done for ____.

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|--------------------------|--------------------|
| A. Salmonella typhi | B. MTB |
| C. Staphylococcus aureus | D. Vibrio cholerae |

6) Example of motile bacteria.

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|--------------------------|------------------------|
| A. Vibrio Cholerae | B. MTB |
| C. Staphylococcus aureus | D. Bordetella Pertusis |

7) Causes liver disease.

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|--------------------------|-----------------|
| A. Clostridium botulinum | B. Herpes Virus |
| C. Ascaris Lumbricoids | D. HAV |

8) Which is RNA virus among these 4?

- | | |
|-----------------------|--------------------|
| A. Hepatitis virus | B. Influenza virus |
| C. Epstein barr virus | D. Adeno virus |

9) Candidiasis caused by ____.

- | | |
|--------------|----------|
| A. Bacteria | B. Virus |
| C. Parasites | D. Fungi |

10) Parasitic infection most common in children is ____.

- | | |
|--------------------------|------------------------|
| A. Entamoeba histolytica | B. Ascaris lumbricoids |
| C. Leishmania donovani | D. Plasmodium Vivex |

Q – 2 Short Answer Questions

40

- 1) Bacterial Spore
- 2) Autoclave
- 3) Pathogenesis of *Streptococcus Pyogens*
- 4) Lab. Diagnosis of *Trichomonas Vaginalis*
- 5) *Spirochaetes*
- 6) Anthrax Bacilli
- 7) Herpes Virus pathogenesis
- 8) Scope of microbiology in field of homoeopathy.

Q – 3 Long Answer Questions

50

- 1) Define morphology, cultural characteristics and pathogenesis of *Clostridium tetani*.
- 2) Explain morphology, life cycle, pathogenesis, investigation of *Entamoeba histolytica*.
- 3) Explain in detail MTB.
- 4) Define morphology, cultural characteristics and pathogenesis of *Bordetella pertussis*.
- 5) Explain morphology, life cycle, pathogenesis, investigation of *Ascaris lumbricoides*.