

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____

Semester _____

Paper Code _____

Paper Title _____

Type of Exam: _____

(Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF, and rename the file with Class Roll No. (2019MBA15) and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

BACHELOR OF PHYSIOTHERAPY
THIRD SEMESTER (REPEAT)
MICROBIOLOGY
BPT-304

Duration : 3 hrs.

Full Marks : 70

(PART-A: Objective)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1 × 20 = 20

1. The round bacteriae arranged in chain are called -
 - a. Staphylococci
 - b. Streptococci
 - c. Diplococci
 - d. Streptobacilli
2. Diseases which spread through inanimate objects used by patient are called -
 - a. Vector borne
 - b. Arthropod borne
 - c. Fomite borne
 - d. Airborne
3. Subsequent infection by the same organism in a host is called -
 - a. Cross infection
 - b. Focal infection
 - c. Nasocomial infection
 - d. Re-infection
4. The unusual occurrence of a disease in a community at a time clearly "in excess of expected occurrence" is called -
 - a. Epidemic
 - b. Pandemic
 - c. Sporadic
 - d. Zoonoses
5. During Sporulation, the DNA replicate which goes to the other end of the mother cell for germination is called -
 - a. Sporangium
 - b. Forespore
 - c. Endospore
 - d. Sporecoat
6. Bacteriae with optimum growth temperature between 50 to 60 degree Celsius are called
 - a. Thermophyles
 - b. Mesophyles
 - c. Psychophyles
 - d. None of the above
7. A culture media which contains such ingredients that stimulates the growth of the wanted bacteria but inhibits growth of the unwanted bacteriae is called -
 - a. Enriched medium
 - b. Enrichment medium
 - c. Selective medium
 - d. Differential medium
8. Heat kills organism by -
 - a. Denaturation of bacterial protein
 - b. Oxidative damage
 - c. Toxic effect of elevated levels of electrolytes
 - d. All of the above
9. Sharp instruments are sterilized by -
 - a. Alcohol
 - b. Aldehyde
 - c. Lysol
 - d. Chlorohexidine

10. The major Serum globulin in man is -
- a. IgM
 - b. IgG
 - c. IgA
 - d. IgD
11. Resistance acquired by an individual during life is -
- a. Individual immunity
 - b. Innate immunity
 - c. Acquired immunity
 - d. Racial immunity
12. Serological test in vitro are used for - -
- a. Diagnosis
 - b. Epidemiological studies
 - c. Detection & quantification of Antigen or Antibodies
 - d. All of the above
13. The popular medium for Neisseria Gonorrhoeae is -
- a. PLET medium
 - b. Loeffler's serum slope
 - c. Mueller Hinton medium
 - d. Thayer Martin medium
14. Schick test is done for diagnosis of
- a. Diphtheria
 - b. Tetanus
 - c. Meningococcal Meningitis
 - d. Toxoplasmosis
15. The organism responsible for causing Necrotizing Enteritis is
- a. Staphylococcus Aureus
 - b. Clostridium Botulinum
 - c. Clostridium Welchii
 - d. E coli
16. Ophthalmia neonatorum ay occur in a baby borne of -
- a. Gonorrhic mother
 - b. Gonorrhic father
 - c. Syphylitic mother
 - d. All of the above
17. Rabies virus is -
- a. Brick shaped
 - b. Bullet shaped
 - c. Rod shaped
 - d. Sphere shaped
18. Which of the following is an antifungal drug?
- a. Ciprfloxacin
 - b. Albendazole
 - c. Fluconazole
 - d. Propranolol
19. Which of the following sexually transmitted virus produce local skin lesion?
- a. HIV
 - b. Herpes simplex
 - c. HBV
 - d. HCV
20. Trans-placental transmission of Syphilis occurs in -
- a. Primary stage
 - b. Secondary stage
 - c. Tertiary stage
 - d. All stages

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(PART-B : Descriptive)

Time : 2 Hrs. 40 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. What is Staphylococcus? Describe the morphology and cultural characters of Staphylococcus Aureus. Name the toxins and the pathological lesions produced by it. 1+1+1+3+2+2
=10
2. What is sterilization? Account briefly the different methods (agents) of chemical sterilization. 2+8+10
3. Define with example Resident flora and Transient flora? Describe the beneficial and harmful effects of resident flora of human body citing examples. 2+2+6=10
4. Enlist the route of entry of viral infection to our body. Discuss in brief the pathogenesis of viral infection in the human Respiratory tract, Alimentary tract and Genital tract. 2+3+3+2=10
5. What are Mycoses? How are they classified? Explain the different types of fungal diseases with examples. 2+2+6=10
6. Give a brief account of morphology and cultural characters of Clostridium Perfringens. Name the toxins produced. Discuss the diseases caused by it in man. 4+2+4=10
7. What is sexually transmitted disease? Name a viral and a bacterial STD. Describe briefly the clinical features and diagnostic procedure of Syphilis. 2+1+4+3=10
8. Write short notes on (*any two*) 5×2=10
 - a) Bacterial sporulation
 - b) Innate Immunity
 - c) Infant Botulism

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