

PARUL UNIVERSITY
FACULTY OF PHYSIOTHERAPY
BPT, Supplementary Examination November-2017

Year: 2

Date: 29-11-2017

Subject Code: 07101203

Time: 10.00 am to 01.00 pm

Subject Name: Pathology and Microbiology

Total Marks: 70

Instructions:

1. All questions are mandatory.
2. Figures to the right indicate full marks.
3. Draw Diagram wherever necessary.
4. Write sections – A, sections – B on separate answer sheets.

SECTION - A

Q.1 Define thrombosis and describe the pathogenesis of thrombosis. (15)

OR

Q.1 Define chronic inflammation and describe pathogenesis of granulomatous inflammation (15)

Q.2 Write Short Notes (any three) (5 Marks Each) (15)

- (a) Fatty liver
- (b) Cyclo-oxygenase pathway
- (c) Metastasis
- (d) Stains of Amyloidosis

Q.3 Multiple Choice Question (1 Mark Each) (05)

1. Hyaline changes shows deposition of

- | | |
|--------------|--------------|
| (a) Fat | (b) Mucin |
| (c) Glycogen | (d) Proteins |

2. P-53 is a

- | | |
|-------------------------|---------------|
| (a) Chemical carcinogen | (b) Oncogen |
| (c) Oncogenic Virus | (d) Cytotoxin |

3. Langhan's types of giant cells are seen in

- | | |
|------------------|------------------------|
| (a) Tuberculosis | (b) Lymphoma |
| (c) Carcinoma | (d) Acute inflammation |

4. Gamma gandy bodies are seen in

- | | |
|---------------|----------------|
| (a) CVC liver | (b) CVC Spleen |
| (c) CVC lungs | (d) CVC Kidney |

5. Brown atrophy is seen in

- | | |
|-----------|------------|
| (a) Lungs | (b) Brain |
| (c) Heart | (d) Spleen |

SECTION - B

Q.1 What is Sterilization? Classify Different Sterilization methods. Write about Autoclave. (15)

OR

Q.1 Pathogenesis and Laboratory Diagnosis of Typhoid Fever. (15)

Q.2 Write Short Notes (any three) (5 Marks Each) (15)

- (a) Anaphylaxis
- (b) Post Exposure Prophylaxis of Rabies
- (c) Laboratory Diagnosis of Plasmodium falciparum
- (d) Laboratory Diagnosis of HIV

Q.3 Multiple Choice Question (1 Mark Each) (05)

1. Germ Tube test is used for detection of

- | | |
|------------------------|---------------------------|
| (a) Aspergillus flavus | (b) Candida albicans |
| (c) Candida krusei | (d) Aspergillus fumigatus |

2. Selective media for Vibrio cholera is

- | | |
|-------------------------------------|---|
| (a) Cary Blair medium | (b) Alkaline peptone water |
| (c) Venkatraman Ramakrishnan medium | (d) Thiosulphate citrate bile salt sucrose agar |

3. Which one of this is Anaerobic spore forming bacteria

- | | |
|---------------------------|---------------------------|
| (a) Staphylococcus aureus | (b) Clostridium tetani |
| (c) Bacillus anthracis | (d) Klebsiella pneumoniae |

4. Which one of this is Acid Fast bacilli using 5% Sulfuric acid

- | | |
|--------------------------------|---------------------------------|
| (a) Mycobacterium tuberculosis | (b) Streptococcus pyogenes |
| (c) Mycobacterium leprae | (d) Corynebacterium diphtheriae |

5. Which parasite causes anemia

- | | |
|---------------------------|---------------|
| (a) Round worm | (b) Giardia |
| (c) Entamoeba histolytica | (d) Hook worm |