**Choose the Correct Answer: (Half Mark For Each Question )**

**(5 Marks)**

1. Cell wall of gram positive bacteria contains thick layer of:

A) Lipopolysaccharides. B) Cell membrane. C)Peptidoglycan. D) Protein.

**Answer:**

1. Fungi are:

A) Prokaryotes. B) Ciliates. C)Eukaryotes. D) All of them.

**Answer:**

1. Microorganisms are removed from the liquid by a process called:

A) Filtration. B) Plate count. C)Hydration. D) None of them.

**Answer:**

1. Which of the following used as solidifying agent for the media:

A) Nutrient Agar. B) Selective media. C) Peptone. D) Non of them.

**Answer:**

1. Which of the following is a complex media used for fungal growth:

A) NA. B) PDA. C) MEA. D) Luria Broth.

**Answer:**

1. Grams Staining is an example of:

A) Simple Stain. B) Fast Stain. C) Protein Stain. D) Differential Stain.

**Answer:**

1. Which of the following is the correct order for Gram- Staining:
2. Crystal Violet – Alcohol - Iodine – Safranin.
3. Safranin - Crystal Violet – Alcohol - Iodine.
4. Crystal Violet - Iodine – Alcohol - Safranin.
5. Iodine - Crystal Violet – Alcohol – Safranin.

**Answer:**

1. In order to stain fungi we use:

A) Simple Stain. B) Fast Stain. C) Gram stain. D) lacto phenol Cotton blue.

**Answer:**

1. In Gram- Staining, Iodine is used as:
2. Secondary Stain. B) Primary Stain. C) Mordant Stain. D) Decolorization agent.

**Answer:**

1. Which Bacteria appears violet- Purple in color after Gram-Staining:
2. Gram Positive Bacteria. B) Gram Equal Bacteria. C) Gram Negative Bacteria. D) Fungi.

**Answer:**

**(1 Marks)**

**Mention the types of media and give an example for each one ?**