

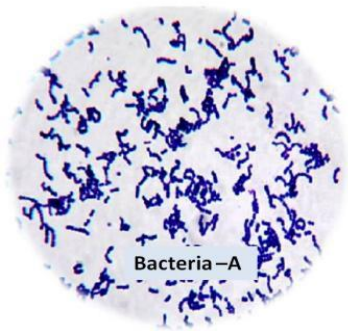
B.Sc. General (CBCS) BOTANY Examination, 2020
DC 1: A1: (PAPER 2) (PRACTICAL)
Biodiversity (Microbes, Algae, Fungi and Archegoniate)

Time- 1.30 Hours

Full Marks- 15

Answer the following questions: (5 x3= 15)

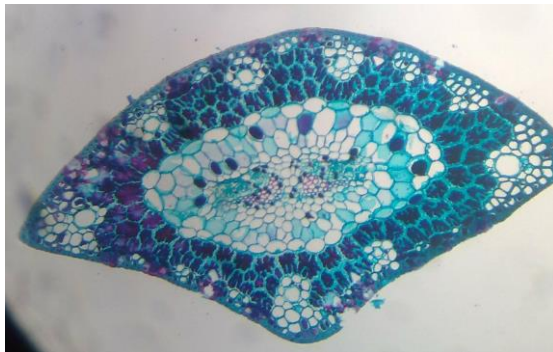
1. A bacterial isolate (Bacteria –A) was observed under compound microscope after performing Gram staining, and the following observation was made:



Bacteria –A: Purple to bluish cells observed

Write down the procedure of Gram Staining and make your comment on the basis of this observation. (3+2)

Or, Label the following diagram. Comment on its identifying characters. (3+2)



2. Draw and label the reproductive structures of *Chara*. Comment on their identifying characters. (3+2)

Or, Draw and label the mature sporangium of *Rhizopus*. Comment on their identifying characters. (3+2)

3. Identification with reasons: (2 x 2.5 = 5)



A.



B.