

# V.P. & R.P.T.P. SCIENCE COLLEGE

B.Sc. INTERNAL TEST SEMESTER V (CBCS)

SUB. BOTANY 03

CODE : USO5CBOT03

(MICROBIOLOGY, MICROTECHNIQUE AND FORESTRY)

THURSDAY

TIME : 3.30 - 5.00

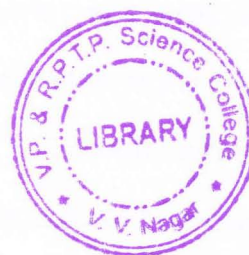
DATE - 3/10/13

MARKS - 30

Q. 1 Multiple choice questions .

06

- (1) Some bacteria are not easily killed because of..  
(a) their tolerance power (b) chitinous wall  
(c) capsule (d) endospore formation
- (2) Bacteria resemble with:  
(a) Nostoc species (b) Mitochondria  
(c) Chlamydomonas (d) None of these
- (3) The process of passing fixed tissues through the series of increasing concentration of alcohol is..  
(a) Clearing (b) Fixation (c) Dehydration (d) Maceration
- (4) .....is commonly employed as mounting medium.  
(a) Resin (b) Eosin (c) Methylene blue (d) Glycerine
- (5) An example of extremely durable wood is ..  
(a) *Sterculia urence* (b) *Bombax ceiba*  
(c) *Tectona grandis* (d) *Albizia lebbeck*
- (6) "Mahua butter" is obtained from..  
(a) *Madhuca indica* (b) *Nerium indicum*  
(c) *Ocimum basilicum* (d) *Melia azadirach*



Q. 2 Short answer questions (attempt any three). 06

- (1) Discuss whether viruses are living or non living.
- (2) Give economic importance of Actinomycetes.
- (3) What is killing and fixation ?
- (4) Write the principle of staining ?
- (5) What are the objects of wood seasoning ?
- (6) Write importance of fibres.

Q.3 Write an essay on Bacterial staining. 06

OR

Q. 3 Describe the general structure of Virus. 06

Q. 4 Write short notes on:

- (I) Carnoy's fluids. 03
- (II) Free hand sections. 03

OR

Q. 4 Write a note on maceration. 06

Q. 5 Discuss Wood preservation and their properties . 06

OR

Q. 5 (I) Discuss the terms Tans and Dyes. 03

(II) Write the main source and uses of resin . 03

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