MANIPAL COLLEGE
OF PHARMACEUTICAL SCIENCES
MANIPAL
*A constituent institution of Manipal University*

**BPharm Semester IV - End Semester Examination-2021**

Course Code: PCO-BP405T

Course Title: Pharmacognosy and Phytochemistry I

**Date:**5/8/2021 **Duration:** 2:30 am to 4:30 pm **Max. Marks:** 50

**Instructions: Answer ALL questions.**

**Section-A (20 marks)**

**I Multiple Choice Questions (MCQs)** **20 Q × 1 mark = 20 marks**

1. Borntrager's test gives a positive reaction for_____
   Tropane alkaloids
   Saponin glycoside
   Cardiac glycosides
   **Anthraquinone glycoside**

2. Indeterminate organ culture is_____
   Leaf culture
   Flower culture
   Ovule culture
   **Node culture**

3. Nectar is present in _____
   **Flower**
   Fruit
   Seed
   Honey comb

4. Presence of enzyme oxidase is the confirmative test for _____
   **Acacia**
   Tragacanth
   Guar gum
   Honey
5. Sulphate residue is present in_____
   Acacia
   Gelatin
   Honey
   **Agar**

13. Determine the degree of similarity between species, genera, family etc. comparing the reaction with antigen with various plant taxa with antibodies against a given taxon.
Descriptive chemotaxonomy
**Serotaxonomy**
DNA Hybridization
Dynamic chemotaxonomy

14. _____leaves are subjected for drying immediately after collection at 60oC to deactivate the enzyme.
Vasaka leaves
Datura leaves
Senna leaves
**Digitalis leaves**

15. Crossing between the plants of same variety of the different genotypes is called
Interspecific or Intrageneric hybridization
Intergeneric hybridization
**Intravarietal hybridization**
Intervarietal or Intraspecific hybridization

16. Branch or a shoot which is induced to develop roots before it is completely severed from the parent plant is called
Cutting
**Layering**
Budding
Grafting

17. Which of the following induce polyploidy?
Nitrogen mustard
**Colchicine**
warfarin
strychnine

18. Pollens are categorized as following type of allergens.
Ingestant allergens
Injectant allergens
**Inhalant allergens**
Infectant allergens

19. Match the following marine drugs with their respective sources
1. Bryostatins - A) *Pseudoplexaura porosa*
2. Fludarabine - B) *Gonyaulax catenella*