

Roll No.: _____

Enrolment No. _____

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

B.PHARM FOURTH SEMESTER

SECOND INTERNAL THEORY EXAMINATION: 2018-19

Subject Name: Pharmacognosy and Phytochemistry I

Subject Code: BP405T

Time: 10.00-11.15 a.m.

Date: 19/3/2019

Total Marks: 30

- Q.1 Multiple Choice Questions:** [10]
- (1) Which plant hormone is responsible for ripening of the fruit 01
(a) Auxin (b) Abscisic acid (c) Ethylene (d) All of the above
- (2) Which of the following are Proteolytic enzyme 01
(a) Papain (b) Pepsin (c) Bromelain (d) All
- (3) Esters of fatty acid and glycerol known as 01
(a) Carbohydrates (b) wax (c) Fixed oil (d) Volatile oil
- (4) An essential ingredient in the general preparation of Plant Tissue Culture is 01
(a) Auxin (b) Gibberlins (c) Sucrose/Glucose (d) Pyridoxine HCl
- (5) Suspension Culture should be subcultured after every 01
(a) 2-3 days (b) 3 -14 days (c) 4-6 weeks (d) 1-2 days
- (6) Which culture does not require hormone in culture medium 01
(a) Protoplast culture (b) Hairy root culture (c) Both (d) None
- (7) Milk Protein is 01
(a) Gelatin (b) Casein (c) Both (d) None
- (8) Which of the following is not the asexual method of Propogation. 01
(a) Cutting (b) By seeds (c) Budding (d) Grafting
- (9) Find out the wrong statement 01
(a) Light plays important role in Photosynthesis
(b) Light regulates CO₂ and O₂ exchange between plants and atmosphere
(c) Excess light results in overheating of plants which is beneficial for them.

(d) Light in some plants determines the content of chemical constituent.

(10) Which is not an advantages of Vegetative method for Propagation.

01

- (a) There is no variation between plants grown and parent plant
- (b) It is possible to avail modifying influence of root stocks on scion.
- (c) The plants are less resistant against the disease as compared to seedling plants.
- (d) Plants bear early as compared to seedling plants.

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Instructions:

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.2 Long Answers: (Any One)

- | | | |
|-----|---|----|
| (1) | Write a note on Factors influencing the Cultivation of Medicinal Plants. | 10 |
| (2) | Explain the Protoplast Culture with schematic diagram. And write a note on maintenance of Suspension Culture. | 10 |

Q.3 Short Answers: (Any Two)

- | | | |
|-----|--|----|
| | Write a note on Castor oil | 05 |
| (1) | OR | |
| | Write B.S.; Family; Chemical Constituent and Uses of Chaulmoogra oil & Wool fat. | |
| (2) | Explain briefly the Application of Plant Tissue Culture in Pharmacognosy. | 05 |
| (3) | Write a short note on Plant Growth Hormones. | 05 |
