

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 7 EXAMINATION – SUMMER -2019

Subject Code: 2270005

Date: 17-05-2019

Subject Name: Pharmacognosy-V

Time: 02:30 PM TO 05:30 PM

Total Marks: 80

Instructions:

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

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|-------------|-----|--|-----------|
| Q.1 | (a) | Define <i>bhasma</i> . Comments: <i>bhasma</i> are considered as nanoparticles. How can it evaluated. | 06 |
| | (b) | Write in detail about types of natural allergens with their effects. | 05 |
| | (c) | What is ayurveda? Write an introduction and principle of ayurveda. | 05 |
| Q.2 | (a) | Define and classify the herbal cosmetics. Write in details pharmacognosy of any two plants used for hair care and skin care cosmetics. | 06 |
| | (b) | Write in details about biogenesis via shikimic acid pathway. | 05 |
| | (c) | Define and Classify plant sweetener and discuss saccharide sweeteners of plant origin. | 05 |
| Q.3 | (a) | Describe giving structure biosynthetic pathways for production of vitamin A in the plants. | 06 |
| | (b) | Write on photosensitizing reaction with photodynamic therapy | 05 |
| | (c) | Write down detail pharmacognostic profile of <i>Chitrak</i> | 05 |
| Q.4 | (a) | Define pesticide and herbicide? Describe any two herbal drug are used in it. | 06 |
| | (b) | Describe giving structure biosynthetic pathways for production of quinine in plants. | 05 |
| | (c) | What is a difference between <i>Satodi</i> and <i>Satodo</i> | 05 |
| Q.5 | (a) | Describe and classify nutraceuticals. Discuss any two drug in detail | 06 |
| | (b) | Write in detail about biosynthesis of omega-3-fatty acid. | 05 |
| | (c) | Write pharmacognostic profile and marketed formulation of brain tonic drug from your syllabus. | 05 |
| Q. 6 | (a) | Define <i>churna</i> . Write a evaluation and preparation of <i>churna</i> . | 06 |
| | (b) | Write down the Synthesis of sugar as primary and secondary metabolites. | 05 |
| | (c) | Discuss merits and demerits of <i>churna</i> and <i>kwath churna</i> as an ayurvedic formulation. | 05 |
| Q.7 | (a) | What is <i>Asava</i> and <i>Arishta</i> ? Write a brief note on preparations, merits and demerits of it. | 06 |
| | (b) | Write in details about fungal toxins. | 05 |
| | (c) | Describe biological source, chemical constituents and uses of <i>kavach</i> and unorganized drug of your syllabus | 05 |
