

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER- VIII EXAMINATION – WINTER -2020

Subject Code:2280005**Date: 12/01/2021****Subject Name: Pharmacognosy - VI****Time: 02:00PM TO 04:00PM****Total Marks: 54****Instructions:**

1. Attempt any THREE questions from Q-1 to Q-6.
2. Q.7 is compulsory to attempt.
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

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|-------------|---|-----------|
| Q.1 | (a) Write a note on scope and challenges of herbal drug industries in India. | 06 |
| | (b) Write a note on plant equipment, processing and scale-up techniques of any one herbal product. | 05 |
| | (c) Write a note on principles of ISO – 9000 in herbal drug industries. | 05 |
| Q.2 | (a) Describe Isolation and Identification by chemical test of Artemisine And Morphine. | 06 |
| | (b) Describe the suitable analytical methods used for evaluation of Quinine and Podophyllotoxin. | 05 |
| | (c) Write a note on isolation methods of Reserpine and Vitamin-A. | 05 |
| Q.3 | (a) Write a note on Raw material store Manegement and Record of Batch Manufacturing Record in accordance with Schedule –T. | 06 |
| | (b) Write a note on Phytopharmacovigilance. | 05 |
| | (c) Write a note various plant drug used as Anti-cancer agents. | 05 |
| Q.4 | (a) Describe the methods for analysis of Menthol and Sennoside. | 06 |
| | (b) Write a note on Isolation and identification methods of Caffeine. | 05 |
| | (c) Write note on Isolation and analysis of Penicillin or Streptomycin. | 05 |
| Q.5 | (a) Write a note on WHO guideline for evaluation of Phytopharmaceuticals. | 06 |
| | (b) Discuss the application HPTLC and GCMS in analysis of phytopharmaceuticals. | 05 |
| | (c) Write a note on following Extraction methods (Any Two)
i. Decoction ii. Super Critical Fluid extraction iii. Percolation | 05 |
| Q. 6 | (a) Write a note on natural products used as Hepatoprotective and Tranquilisers. | 06 |
| | (b) Enlist the various plant used as Antidiabetics and Immunimodulators. | 05 |
| | (c) Write a note on analytical method for the Glycyrrhetic acid and Curcumin. | 05 |
| Q.7 | (a) Define standardized extract. Give merits and problem associated with preparation of standardized extract. | 06 |
| | OR | |
| | (a) Write a note on Amla standardized extract. | 06 |
| | OR | |
| | (a) Discuss on preparation of Turmeric and Garlic standardized extract. | 06 |
