



PAPER CODE: 44102

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Subject Code: MPG102T

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MPHARM
(SEM I) THEORY EXAMINATION 2021-22
ADVANCED PHARMACOGNOSY- I

Time: 3 Hours**Total Marks: 75****Note:** 1. Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

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| a. | How will you identify and authenticate the crude drugs? |
| b. | Differentiate between <i>ex-situ</i> and <i>in-situ</i> conservation of plants. |
| c. | Write about Marine toxins. |
| d. | Give any two examples of cardiovascular agents obtained from marine source. |
| e. | Compare Prebiotics and Probiotics. |
| f. | Write the source and uses of Spirulina and Black Cohosh. |
| g. | Give the chemical structure of Resveratrol and Quercetin. |
| h. | Describe the role of antioxidants as nutraceuticals. |
| i. | What do you understand by 'Pharmacovigilance of natural drugs'? |
| j. | Mention any two examples of Herb-Drug interactions. |

SECTION B**2. Attempt any two parts of the following:****2 x 10 = 20**

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| a. | Describe the Good Agricultural Practices. |
| b. | Write the sources, name of marker compounds and health benefits of any four of the following: (i) Ginseng (ii) Garlic (iii) Broccoli (iv) Turmeric (v) Flax seeds |
| c. | Discuss the occurrence, isolation and characteristics of any two of the following: (i) Tocopherols (ii) Withanolides (iii) Shatavarins |

SECTION C**3. Attempt any five parts of the following:****7 x 5 = 35**

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| a. | Explain the general methods for the isolation and purification of natural products from marine sources. |
| b. | Explain bio drug-drug and bio drug-food interactions with suitable examples |
| c. | Discuss the current good collection practices. |
| d. | Justify the statement "Research in marine drugs is a very challenging task". |
| e. | Explain the regulatory aspects of nutraceuticals. |
| f. | Describe the chemistry and pharmacology of flavonoids. |
| g. | Explain WHO and AYUSH guidelines for safety monitoring of natural medicine. |