

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LM 996]

MAY 2018

Sub. Code: 2996

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-VII – PHARMACOGNOSY – MPG
PAPER II – ADVANCED PHARMACOGNOSY – II

Q.P. Code : 262996

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Write an essay on the validation of herbal drugs.
b) Discuss about the toxicity and regulations of herbal remedies.
2. a) Discuss in detail about Adultration and Detorioration of herbal drugs.
b) Enumerate the new strategies for screening of natural products.

II. Write notes on:

(7 x 5 = 35)

1. Analytical profiles for *Psoralea corylifolia*.
2. Basic needs for phyto-pharmacological screening of natural products.
3. Reverse pharmacology.
4. Role of bio-diversity in herbal drug development.
5. Impacts of Ethno-botany and Ethno-pharmacology in traditional system of medicine.
6. Significance of DNA finger print techniques in identification of Indian herbal drugs of natural origin.
7. *In vitro* techniques for wound healing and anti-fertility.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LN 996]

NOVEMBER 2018

Sub. Code: 2996

M.PHARM. DEGREE EXAMINATION
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SEMESTER-II
BRANCH-VII – PHARMACOGNOSY – MPG
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Q.P. Code : 262996

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. a) Give an account on sampling procedure for herbal drugs and remedies.
b) Discuss about the role of ethno-pharmacology in drug evaluation.
2. a) What are problems encountered with good clinical trials in herbal drugs.
b) Write a brief note on the factors influencing the quality control of herbal drugs.

II. Write notes on:

(7 x 5 = 35)

1. Detection of heavy metals in herbal drug products.
2. What are the causes and measures of adulteration of herbal drugs?
3. Write a brief note on bio-prospecting tools for drug discovery.
4. Adverse reactions and safety in Herbal drugs.
5. Phytotoxins.
6. General aspects of advanced techniques in analytical methodologies in herbal drugs.
7. What are the OECD Guidelines for Toxicity studies?

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LP 996]

NOVEMBER 2019

Sub. Code: 2996

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-VII – PHARMACOGNOSY – MPG
PAPER II – ADVANCED PHARMACOGNOSY – II

Q.P. Code : 262996

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail on detection of heavy metals, phytotoxins and microbial contamination in herbal drugs.
2. Discuss in detail : a) *In vivo* evaluation technique for antifertility activity.
b) *In vivo* evaluation technique for hepatoprotective activity.

II. Write notes on:

(7 x 5 = 35)

1. Analytical profile of *Boswellia serrata*.
2. Causes and measures of adulteration.
3. Analytical profile of *Psoralea corylifolia*.
4. Pharmacological screening of natural products for antidiabetic activity.
5. Pharmacological screening of natural products for wound healing activity.
6. Detection of pesticidal residues in herbal drugs.
7. Role of ethnobotany in herbal drug evaluation.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LQ 0121]

JANUARY 2021

Sub. Code: 2996

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-II (PCI New regulations 2016)

PHARMACOGNOSY – MPG

PAPER II – ADVANCED PHARMACOGNOSY – II

Q.P. Code : 262996

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How do you evaluate natural products for anticancer activity using both *Invitro* and *Invivo* techniques?
2. Write a detail note on the role of ethnopharmacology in the process of modern drug discovery.

II. Write notes on:

(7 x 5 = 35)

1. Analytical profile of *Andrographis paniculata*.
2. Adulteration and substitution of herbal drugs.
3. Validation of herbal therapies.
4. Pharmacological screening natural products for diuretic activity.
5. *Invitro* evaluation technique for antimicrobial activity.
6. Detection of phytotoxins in herbal drugs.
7. Pharmacodynamic issues of herbal drugs.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[MPHARM 0921]

**SEPTEMBER 2021
(OCTOBER 2020 EXAM SESSION)**

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER-II (PCI New regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II
*Q.P. Code : 262996***

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Role of Ethno-Botany in traditional medicine and new development of herbals.
2. In- vivo evaluation techniques for anti diabetic drugs.

II. Write notes on:

(7 x 5 = 35)

1. Efficacy of Herbal medicinal products.
2. Bio-prospecting tools for Drug discovery.
3. In vivo evaluation technique for Anti-ulcer activity.
4. DNA Fingerprint technique in identification of drugs of natural origin.
5. Analytical profile of Boswellia serrata.
6. In-vivo evaluation technique for Cardio protective activity.
7. Detection of pesticidal residues in herbal drugs and formulations.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 0922]

**SEPTEMBER 2022
(APRIL 2022 EXAM SESSION)**

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II**

Q.P. Code : 262996

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Give an account on Pharmacodynamic and Pharmacokinetic issues in Herbal drug remedies.
2. Describe the biological screening of herbal drugs for
 - (a) Anti ulcer and
 - (b) Anti diabetic properties.

II. Write notes on:

(7 x 5 =35)

1. Reverse Pharmacology.
2. DNA finger printing techniques in identification of drugs of natural origin.
3. Ethnobotany.
4. Analytical profile of Curcuma longa.
5. Toxicity studies as per OECD guidelines.
6. Herbals Vs. Conventional drugs.
7. Types of Adulteration/ Substitution of herbal drugs.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 0823]

**AUGUST 2023
(APRIL 2023 EXAM SESSION)**

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II**

Q.P. Code: 262996

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail: a) In vivo evaluation of natural products for hepatoprotective activity.
b) In vivo evaluation of natural products for diuretic activity.
2. Write a detail note on the detection of phytotoxins and microbial contamination in herbal drugs.

II. Write notes on:

(7x5 =35)

1. Analytical profile of *Embelica officinalis*.
2. Types of adulteration and substitution of Herbal Drugs.
3. DNA finger printing Technique in identification of drugs of natural origin.
4. Analytical profile of *Psoralea corylifolia*.
5. Validation of herbal therapies.
6. In vitro evaluation of natural products for antimicrobial activity.
7. Reverse Pharmacology.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 1223]

**DECEMBER 2023
(OCTOBER 2023 EXAM SESSION)**

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II**

Q.P. Code: 262996

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain Reverse Pharmacology and what is its role in herbal drug evaluation and discuss the new development in herbals.
2. Describe the types, causes and measures of adulteration/ substitution of herbal drugs. Add a note on estimation of heavy metals and pesticide residues.

II. Write notes on:

(7x5 =35)

1. Analytical profile of *Andrographis paniculata*.
2. Screening procedure for Hepatoprotective activity.
3. Pharmacological Screening for Diuretic drugs.
4. Phytotoxins.
5. Analytical profile of *Embelica officinalis*.
6. Scope of DNA finger printing technique in Herbal drug analysis.
7. Antioxidant screening techniques.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 1124]

NOVEMBER 2024

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II**

Q.P. Code: 262996

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail the protocol and importance of Sampling procedure, determination of Foreign matter, detection of Heavy metals and Pesticide residues.
2. Explain the in vitro evaluation techniques for Anti oxidants and Anti microbial drugs of Herbal origin.

II. Write notes on:

(7 x 5 =35)

1. Phytotoxins.
2. Analytical profile of Psoralea corylifolia.
3. Analytical profile of Coleus forskolii.
4. Screening procedure for Anti fertility activity.
5. Role of Ethno botany in Drug evaluation.
6. Toxicity and regulations for Herbal remedies.
7. Bioprospecting tools for drug discovery.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[M.PHARM 1025]

OCTOBER 2025

Sub. Code: 2996

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - II (PCI New Regulations 2016)
PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – II**

Q.P. Code: 262996

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Write a detail note on the role of ethnopharmacology in the process of modern drug discovery.
2. Discuss in detail: a) In vivo evaluation of natural products for cardioprotective activity.
b) In vivo evaluation of natural products for anti-inflammatory activity.

II. Write notes on:

(7 x 5 =35)

1. Analytical profile of *Andrographis paniculata*.
2. Detection of pesticidal residues in herbal drugs.
3. Analytical profile of *Boswellia serrata*.
4. Pharmacological screening of natural for in vitro antioxidant activity.
5. Evaluation of natural products for acute toxicity studies using OECD guidelines.
6. Pharmacodynamic issues of herbal drugs.
7. Pharmacological screening of natural products for diuretic activity.
