

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

[LL 992]

NOVEMBER 2017

Sub. Code: 2992

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

Q.P.Code: 262992

Time: Three hours

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail:
 - a) Current Good Agricultural Practices.
 - b) Ex-situ and In-situ conservation of medicinal plants.
2. Elaborate on the WHO and AYUSH guidelines for safety monitoring of natural medicine.

II. Write notes on:

(7 x 5 = 35)

1. Importance of Pharmacognosy in Herbal drug industry.
2. Marine toxins.
3. FSSAI guidelines.
4. Source and health benefits of Spirulina, Ginseng.
5. Carotenoids.
6. Brief on Bio drug - drug and Bio drug - food interactions.
7. Chemical structure of :
 - a) Hesperidin.
 - b) Quercitin.
 - c) Vasicine.
 - d) Taxol.
 - e) Rutin.

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[LM 992]

MAY 2018

Sub. Code: 2992

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SEMESTER-I
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Q.P.Code: 262992

Time: Three Hours

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Elaborate on the role of Indian Council of Agricultural Research in plant drug cultivation. Add a note on Current Good Collection Practices.
2. Discuss in detail Marine Natural Products and the recent advances in research on marine drugs.

II. Write notes on:

(7 x 5 = 35)

1. Conservation of medicinal plants.
2. Vitamin Supplements.
3. Dietary fibres.
4. Isolation of Naringin and Ellagic acid.
5. Pharmacovigilance of drugs of natural origin.
6. Occurrence and health benefits of Andrographolide, Withanolide and Guggulipid.
7. Nutraceuticals – Current trends.

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[LO 992]

MAY 2019

Sub. Code: 2992

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Q.P.Code: 262992

Time: Three hours

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail:
 - a) Current trend and future scope of Nutraceuticals.
 - b) Isolation, chemical nature and medicinal uses of Limonoids.
2. Discuss the guidelines involved in Pharmacovigilance.

II. Write notes on:

(7 x 5 = 35)

1. Broccoli.
2. Health drinks of natural origin.
3. Isolation, chemical nature and medicinal uses of Ellagic acid.
4. Shellfish poisoning in marine drugs.
5. Naringin.
6. Pest control techniques and methods.
7. Source, chemical nature and medicinal uses of Green and herbal tea.

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2992

(APRIL 2020 EXAM SESSION)

M.PHARMACY DEGREE EXAMINATION

SEMESTER-I (PCI New regulations 2016)

PHARMACOGNOSY – MPG

PAPER II – ADVANCED PHARMACOGNOSY – I

Q.P. Code : 262992

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Detail on the current trends and future scope of Nutraceuticals. Add a note on Flax seeds and Broccoli.
2. Explain the general methods of isolation and purification of marine natural products. Highlight the problems faced in research on marine drugs.

II. Write notes on:

(7 x 5 = 35)

1. Current Good Cultivation Practices.
2. Digestive Enzymes.
3. Poly Unsaturated Fatty Acids.
4. Tocotrienols and Tocopherols.
5. Reporting schemes for Bio drug adverse reactions.
6. Isolation of α and β Carotene and Xanthophyll.
7. Source, name of marker compounds, medicinal uses of :
 - a) Black Cohosh.
 - b) Green Tea.
 - c) Turmeric.

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[MPHARM 0422]

**APRIL 2022
(OCTOBER 2021 EXAM SESSION)**

Sub. Code: 2992

**M.PHARMACY DEGREE EXAMINATION
SEMESTER-I (PCI New regulations 2016)
PHARMACOGNOSY - MPG
PAPER II ADVANCED PHARMACOGNOSY - I
*Q.P. Code : 262992***

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. How to Isolate and purify the marine natural drugs and note down the recent advances in research on marine drugs.
2. Describe the occurrence, isolation and characteristic features of the following Phytopharmaceuticals.
 - a. Tocotrienols & Tocopherolsd flavonoids
 - b. Ellagic acid
 - c. Vitamins
 - e. saponins

II. Write notes on:

(7 x 5 = 35)

1. Current trends and future scope of nutraceuticals.
2. Source, name of marker compound and their chemical nature of spirulina, flax seeds, Turmeric.
3. FSSAI guidelines.
4. Benefits of health drinks & give examples.
5. Antioxidants.
6. Current good cultivation practice & Current good collection practice.
7. AYUSH Guidelines.

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[M.PHARM 0922]

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

Sub. Code: 2992

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

Q.P. Code : 262992

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about formulation and standardization of Nutraceuticals.
2. Give an account on:
 - a. Spirulina
 - b. Flax seeds
 - c. Turmeric
 - d. Green Tea.

II. Write notes on:

(7X5 = 35)

1. Conservation of Medicinal plants.
2. Inorganic mineral supplements.
3. Hesperidin.
4. Garlic.
5. Marine toxins.
6. Antioxidants.
7. Limonoids.

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[M.PHARM 0423]

**APRIL 2023
(OCTOBER 2022 EXAM SESSION)**

Sub. Code: 2992

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

Q.P. Code: 262992

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail the problems faced in research on marine drugs and their solution.
2. Describe the WHO and AYUSH guidelines for safety monitoring of Natural medicine.

II. Write notes on:

(7X5 = 35)

1. Nutraceuticals.
2. Shatavarins.
3. Current Good Agricultural Practices.
4. Vitamin Supplements.
5. Ginseng.
6. Taxol.
7. Herbal Pharmacovigilance.

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[M.PHARM 0823]

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

Sub. Code: 2992

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

Q.P. Code: 262992

Time : Three hours

Answer ALL Questions

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Give an account on:
 - a) FSSAI Guidelines
 - b) Current trends and future scope of Nutraceuticals.
2. Explain the occurrence, isolation and characteristic features of
 - a) Vasicine
 - b) Quercetin
 - c) Taxol
 - d) Terpeneol

II. Write notes on:

(7X5 = 35)

1. Brief on reporting schemes for bio drug adverse reactions.
2. Tocotrienol and Tocopherol.
3. Current Good Cultivation Practices.
4. Problems faced in research on Marine drugs.
5. Source, Characteristic nature and health benefits of Flax seeds and Black Cohosh.
6. Standardisation of Nutraceuticals.
7. Guggulipids.

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[M.PHARM 0524]

**MAY 2024
(APRIL 2024 EXAM SESSION)**

Sub. Code: 2992

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

Q.P. Code: 262992

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss detail:
 - a. Herbs as functional foods.
 - b. Current Good Cultivation and Collection practices of herbal drugs.
2. Discuss in detail on the general methods of isolation and purification of marine natural products.

II. Write notes on:

(7X5 = 35)

1. Ginseng.
2. Formulation and standardization of nutraceuticals.
3. Problems involved in Taxonomical identification of marine drugs.
4. Isolation, chemical nature and medicinal uses of Withanolides.
5. Digestive enzymes.
6. Importance of Pharmacognosy in herbal drug industry.
7. Black cohosh.

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[M.PHARM 0425]

APRIL 2025

Sub. Code: 2992

**M.PHARMACY DEGREE EXAMINATION
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PHARMACOGNOSY - MPG
PAPER II – ADVANCED PHARMACOGNOSY – I**

Q.P. Code: 262992

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain about current Good Collection practices.
2. Give an account of
 - a) Narigin
 - b) Digestive enzymes
 - c) Phenolic acids
 - d) Indian Council of Agricultural Research

II. Write notes on:

(7X5 = 35)

1. Xanthophyll.
2. Broccoli.
3. Withanolides.
4. Glycolipids.
5. Rutin.
6. Dietary fibre.
7. Isolation, chemical nature and medicinal uses of Tocopherols.
