



Gokhale Education Society's
**Sir Dr. M.S. Gosavi College of
Pharmaceutical Education & Research, Nashik.**
Prin. T. A. Kulkarni Vidyanagar, Nashik - 422005. (M.S.), India



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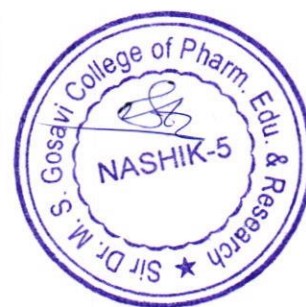
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INDEX Key Indicator 1.2

Metric No. 1.2.1: Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Summary of add on / Certificate Course

Academic Year	Name of add on or certificate course	No. of Student attended course	Total no. of students enrolled in year
2021-22	Dietary supplements and nutraceuticals	84	84
2020-21	Green Chemistry	99	99
2019-20	Add on certificate course Pharmacovigilance	83	83
2018-19	Quality Control and Standardization of Herbals	60	60





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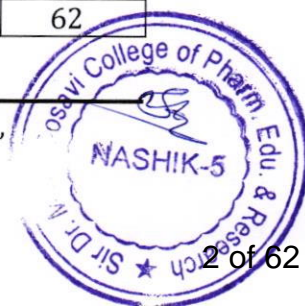
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Institutional Programme Notice, flyer for certificate course with course modules and course outcomes

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Key indicator - 1.2 Academic Flexibility

Metric No. - 1.2.1

**Number of Certificate/Value added courses offered
and online courses of MOOCs, SWAYAM, NPTEL etc.
(where the students of the institution have enrolled
and successfully completed during the last five years)**

A.Y. 2021 - 22

**Institutional Programme Notice flyer for certificate
course with course modules and outcomes**



Gokhale Education Society's
**Sir Dr. M.S. Gosavi College of Pharmaceutical Education
& Research**

Prin. T.A. Kulkarni Vidyanagar, College Road, Nashik - 422005

Email : prin@msgpharma.org ☎ : 0253-2232799



► ISO 9001:2015 Certified Institute

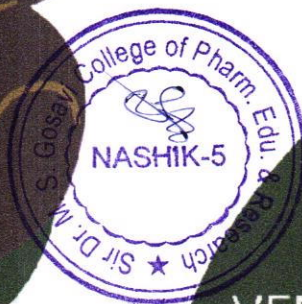
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► Approved by AICTE (Permanant ID: 1-728030324), PCI-New Delhi, DTE and MSBTE- Govt. of Maharashtra

DIETARY SUPPLEMENTS AND NUTRACEUTICALS

**COURSE COORDINATOR:
MR. S.S. BORASTE**

ANY CHANGE IN THE SCHEDULE WILL BE
INFORMED ONE WEEK PRIOR.



**COURSE BEGINS FROM:
22/02/2022**

VENUE: SIR DR. M.S. GOSAVI COLLEGE
OF PHARMACEUTICAL EDUCATION AND
RESEARCH, NASHIK



Date- 02/02/2022

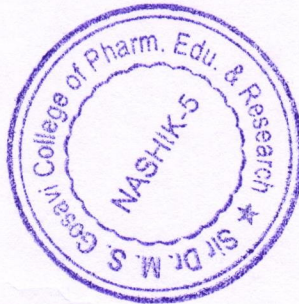
Notice

Students of T. Y. B. Pharm. (Sem-VI) enrolled for the **certificate course in "Dietary Supplements and Nutraceuticals"** are hereby informed to note that the regular lectures on "dietary supplement and nutraceuticals" will begin from **22/02/2022** and will be conducted as per the following schedule.

Any change in the schedule will be informed one week prior.

Also, note that **minimum 75% attendance** for the course is **mandatory** to appear for the final exam.

Mr. S. S. Boraste
Co-Ordinator



Dr. S. V. Amrutkar
Principal



CERTIFICATE COURSE ON DIETARY SUPPLEMENTS AND NUTRACEUTICALS

Add-on Course Syllabus Distribution

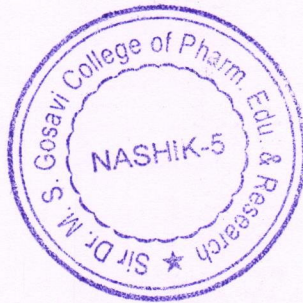
Sr. No.	Day & Date	Time	Name of Resource Person	Content
1	Tuesday 22/02/2022	2 to 3 pm	Dr. P. L. Pingale	Definitions of Functional foods, Nutraceuticals, and Dietary supplements. Classification of Nutraceuticals, Health problems and diseases that can be prevented or cured by Nutraceuticals i.e., weight control, diabetes, cancer, heart disease, stress, osteoarthritis, hypertension, etc.
		3.30 to 4.30 pm		
2	Tuesday 01/03/2022	10 to 11 am	Dr. P. L. Pingale	Public health nutrition, maternal and child nutrition, nutrition and ageing, nutrition education in the community.
		11.30 am to 12.30 pm		
3	Tuesday 08/03/2022	2 to 3 pm	Dr. P. L. Pingale	Source, Name of marker compounds and their chemical nature, Medicinal uses and health benefits of following used as nutraceuticals/functional foods: Spirulina, Soyabean, Ginseng, Garlic, Broccoli, Ginkgo, Flaxseeds
		3.30 to 4.30 pm		
4	Tuesday 15/03/2022	2 to 3 pm	Dr. D. M. Shinkar	Phytochemicals as nutraceuticals: Occurrence and characteristic features (chemical nature medicinal benefits) of following: Carotenoids- α and β -Carotene, Lycopene, Xanthophylls, lutein Sulfides: Diallyl sulfides, Allyl trisulfide.
		3.30 to 4.30 pm		
5	Tuesday 29/03/2022	2 to 3 pm	Dr. D. M. Shinkar	Polyphenolics: Resveratrol Flavonoids- Rutin, Naringin, Quercetin, Anthocyanidins, catechins, Flavones
		3.30 to 4.30 pm		
6	Tuesday 05/04/2022	2 to 3 pm	Dr. D. M. Shinkar	Prebiotics / Probiotics: Fructo-oligosaccharides, Lacto bacillum Phyto estrogens: Isoflavones, daidzein, Geobustan, lignans
		3.30 to 4.30 pm		
7	Tuesday	2 to 3 pm	Dr. D. M. Shinkar	Tocopherols Proteins, vitamins, minerals, cereal, vegetables, and



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		3.30 to 4.30 pm		
15	Tuesday 14/06/2022	2 to 3 pm	Mr. S. S. Boraste	Pharmacopeial Specifications for dietary supplements and nutraceuticals.
		3.30 to 4.30 pm		
16	Saturday 18/06/2022	10.00 to 11.00 am	Final Test	

Mr. S. S. Boraste
Co-Ordinator



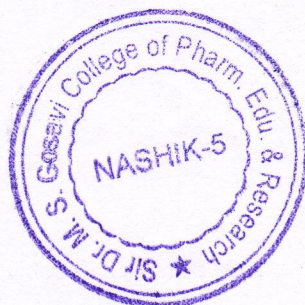
Dr. S.V. Amrutkar
Principal



Schedule

Day & Date	Time
Tuesday 22/02/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 01/03/2022	10.00 to 11.00 am
	11.30 am to 12.30 pm
Tuesday 08/03/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 15/03/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 29/03/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 05/04/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 12/04/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 19/04/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 26/04/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 03/05/2022	10.00 to 11.00 am
	11.30 am to 12.30 pm
Tuesday 10/05/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 17/05/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 31/05/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 07/06/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Tuesday 14/06/2022	2.00 to 3.00 pm
	3.30 to 4.30 pm
Saturday 18/06/2022	Final Test

Mr. S. S. Boraste
Co-Ordinator



Dr. S. V. Amrutkar
Principal



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Date- 25/02/2022

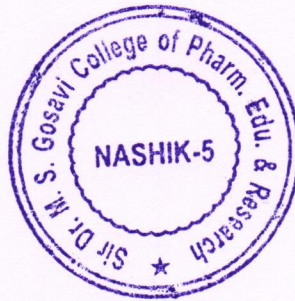
Notice

Students of T. Y. B. Pharm. (Sem-VI) enrolled for the **certificate course in "Dietary Supplements and Nutraceuticals"** are hereby informed that the schedule of **01/03/2022** conducted in **online mode**.

The link for the same will be provided one day prior.

Mr. S. S. Boraste
Co-Ordinator

Dr. S. V. Amrutkar
Principal





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Date- 29/04/2022

Notice

Students of T. Y. B. Pharm. (Sem-VI) enrolled for the **certificate course in "Dietary Supplements and Nutraceuticals"** are hereby informed that the schedule of **03/05/2022** conducted in **online mode**.

The link for the same will be provided one day prior.

Mr. S. S. Boraste
Co-Ordinator

Dr. S. V. Amrutkar
Principal





Date- 06/06/2022

Notice

Students of T. Y. B. Pharm. (Sem-VI) enrolled for the certificate course in “**Dietary Supplements and Nutraceuticals**” are hereby informed to note that the offline **final test** is scheduled from **10:00 to 11:00 am on 18/06/2022 (Saturday)**.

Mr. S. S. Boraste
Co-Ordinator



Dr. S. V. Amrutkar
Principal



Name: Kulkarni Utkarsha Sachin, Roll No: 37

46
50

EXAMINATION FOR ADD-ON COURSE

Class: T.Y. B. Pharm (2021-22)
Subject: Dietary Supplements & Nutraceuticals
Date & Day: 18/06/2022 (Saturday)

Sem: VI
Max. Marks: 50
Time: 1 hour

All questions are compulsory.*
Tick (✓) the correct option.
Each question carries 02 marks.

Q. 1. "_____ is any substance that is a food or a part of food and provides medical or health benefits, including the prevention and treatment of disease."

- a) Dietary supplement
- b) Nutraceutical
- c) Medicine
- d) Functional food

Q. 2. Ascorbic acid is an example of a nutraceutical substance grouped by the following food source:

- a) Plants
- b) Animals
- c) Microbial
- d) Mineral

Q. 3. The following is an example of water-insoluble fibre:

- a) Lentils
- b) Dried beans
- c) Legumes
- d) Whole wheat products

Q. 4. The following is an example of water-soluble fibre:

- a) Whole grain cereals
- b) Brown rice
- c) Oats
- d) Whole wheat products

Q. 5. Which is the most abundant catechin accounting for 50-80% present in tea?

- a) Epigallocatechin (EGC)
- b) Epicatechin gallate (ECG)
- c) Epigallocatechin gallate (EGCG)
- d) Epicatechin (EC)

Q. 6. Which of the following contains maximum lycopene content?

- a) Tomato paste
- b) Fresh tomatoes
- c) Tomato sauce
- d) Tomato juice



Q. 14. Which of the following is an example of intentional adulteration?

- a) Leaching of plastic into food material
- b) Metallic contamination due to tin cans used in packaging
- c) Arsenic from pesticides entering into food
- d) Addition of brick red colour in red chilli powder

Q. 15. Standards for AGMARK certification are approved by:

- a) Directorate of Marketing and Inspection
- b) Directorate of Agriculture
- c) Bureau of Indian Standards
- d) All India Association of Agriculture

Q. 16. Edible mushrooms have detected levels of _____ contaminations.

- a) Pesticides
- b) Radioactive materials
- c) Heavy metals
- d) All of the above

Q. 17. Which are the naturally occurring compounds found in plants believed to have health promoting properties?

- a) Phytochemicals
- b) Steroids
- c) Toxoids
- d) Chlorofluorocarbons

Q. 18. Daily recommended dose of curcumin is _____.

- a) 200-300 mg/day
- b) 500-2000 mg/day
- c) 10-20 mg/day
- d) 10-100 mg/day

Q. 19. Which of the following is non-food source of Nutraceuticals?

- a) Yogurt
- b) Fruit juices
- c) Probiotics
- d) Vegetables

Q. 20. Who coined the term "Nutraceuticals"?

- a) Frederick Accum
- b) Casimir Funk
- c) Stephen DeFelice
- d) None of the above

Q. 21. FPO stands for:

- a) Food and Fruit Product Order
- b) Food Product Organization
- c) Food Products Order
- d) Fruit Products Order



Name- Pare Vrushabh Devidas

Roll No- 48

44
50

EXAMINATION FOR ADD-ON COURSE

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Subject: Dietary Supplements & Nutraceuticals

Date & Day: 18/06/2022 (Saturday)

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Max. Marks: 50

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Examination for Add-On Course

Class (pattern): T.Y.B.Pharm (2021-22)

Sem: VI

Subject: Dietary Supplements and neutraceuticals

Time: 1 Hr

Day & Date: Saturday/18-6-2022

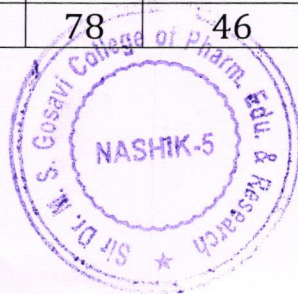
Marks: 50

Marklist

Roll No.	Marks Obtained	Roll No.	Marks Obtained	Roll No.	Marks Obtained	Roll No.	Marks Obtained
1	50	27	50	53	46	79	50
2	50	28	46	54	46	80	50
3	50	29	50	55	48	81	44
4	48	30	50	56	40	82	48
5	50	31	48	57	44	83	50
6	50	32	48	58	40	84	50
7	46	33	50	59	40		
8	50	34	50	60	46		
9	48	35	48	61	48		
10	50	36	48	62	46		
11	44	37	46	63	48		
12	50	38	44	64	48		
13	46	39	44	65	48		
14	50	40	46	66	50		
15	46	41	44	67	46		
16	48	42	44	68	48		
17	40	43	50	69	48		
18	48	44	46	70	50		
19	48	45	46	71	50		
20	50	46	48	72	42		
21	50	47	42	73	50		
22	48	48	44	74	48		
23	48	49	48	75	46		
24	50	50	46	76	48		
25	46	51	42	77	48		
26	48	52	42	78	46		

Morad
S.S. Borark
18/6/22

Name, Date and Sign of Course I/C





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A.Y. 2020 - 21

Institutional Programme Notice flyer for certificate course with course modules and outcomes

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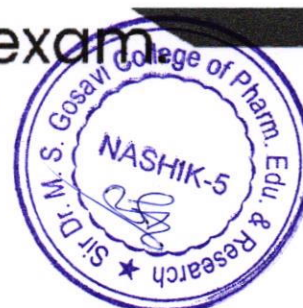
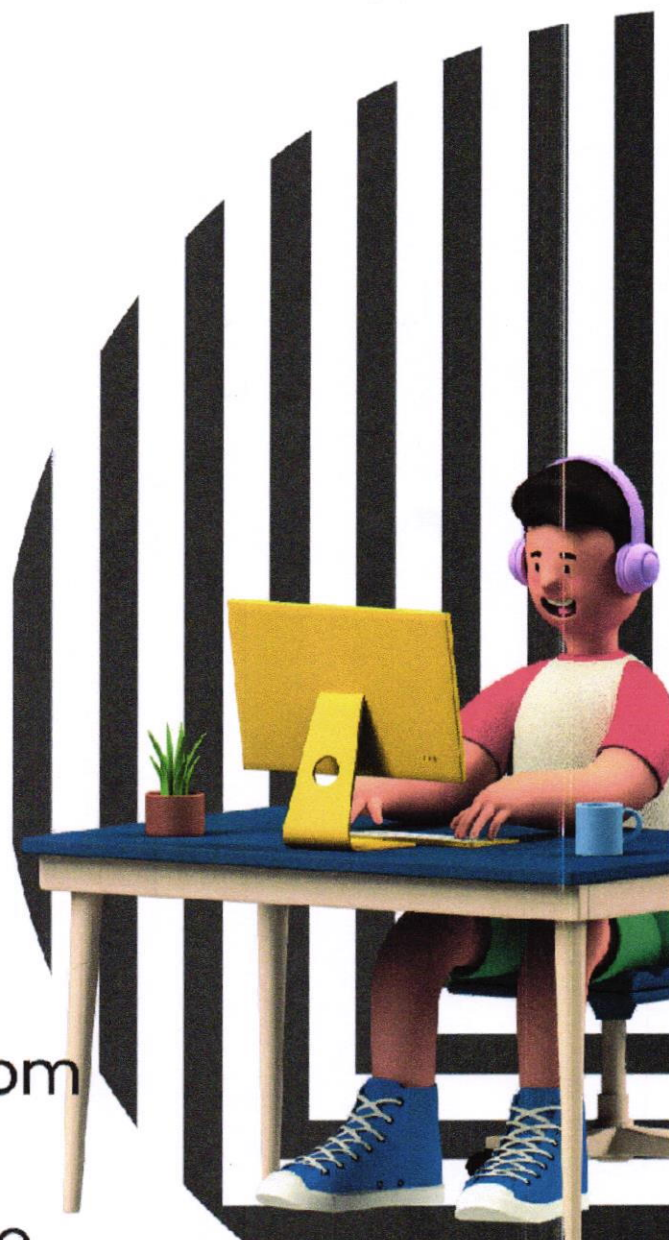
► Approved by AICTE (Permanant ID: 1-728030324), PCI-New Delhi, DTE and MSBTE- Govt. of Maharashtra

GREEN CHEMISTRY ONLINE MODE

COURSE COORDINATOR:
MRS. S.P.SHELKE

About course

- Regular lectures begin from **12/01/2021**
- Minimum 75% attendance mandatory to appear for final exam
- Last date of registration: **12/01/21**



VENUE: SIR DR. M.S. GOSAVI COLLEGE OF PHARMACEUTICAL
EDUCATION AND RESEARCH, NASHIK



Syllabus for Add On Course

Academic year 2020 - 21

Duration of course: 30Hrs. : From 12/01/2021 to 04/05/2021

Mode of Course: Online Course

Class: Third year B.Pharm (Sem - VI)

No. of Beneficiary: 99

Sr. No.	Module
1	Green Chemistry : Introduction
2	Principles of green chemistry
3	The essentials of green chemistry : Changing Course
4	The essentials of green chemistry : The green chemistry & sustainability
5	The essentials of green chemistry : Green chemistry focuses on inherent hazards
6	The essentials of green chemistry: Green Chemistry tackles the grand challenges.

Mrs. S. P. Shelke
Co-Ordinator



Dr. S. V. Amrutkar
Principal



CERTIFICATE COURSE ON GREEN CHEMISTRY

Add-on Course Syllabus Distribution

Sr. No.	Day & Date	Time	Name of Resource Person	Content
1	Tuesday 12/01/2021	2.30pm to 4.30pm	Dr. S.S.Harak	Green Chemistry : Introduction What is Green Chemistry? Need for Green Chemistry. Goals of Green Chemistry. Limitations/ Obstacles in the pursuit of the goals of Green Chemistry
2	Tuesday 19/01/2021	2.30pm to 4.30pm	Dr. S.S.Harak	Principles of green chemistry Twelve principles of Green Chemistry with their explanations and examples
3	Tuesday 02/02/2021	2.30pm to 4.30pm	Dr. S.S.Harak	Designing a Green Synthesis using these principles; Prevention of Waste/ byproducts; maximum incorporation of the materials used in the process into the final products , Atom Economy, calculation of atom economy of the rearrangement, addition, substitution and elimination reactions.
4	Tuesday 09/02/2021	2.30pm to 4.30pm	Dr. S.S.Harak	Green solvents– supercritical fluids, water as a solvent for organic reactions, ionic liquids, fluoruous biphasic solvent, PEG, solventless processes, immobilized solvents and how to compare greenness of solvents.
5	Tuesday 16/02/2021	2.30pm to 4.30pm	Mrs. S.P.Shelke	<ul style="list-style-type: none">• Energy requirements for reactions - alternative sources of energy: use of microwaves and ultrasonic energy.• Selection of starting materials; avoidance of unnecessary derivatization - careful use of blocking/protecting groups.
6	Tuesday 23/02/2021	2.30pm to 4.30pm	Mrs. S.P.Shelke	Use of catalytic reagents (wherever possible) in preference to stoichiometric reagents; catalysis and green chemistry, comparison of heterogeneous and homogeneous catalysis, biocatalysis, asymmetric catalysis and photocatalysis.



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14	Tuesday 27/04/2021	2.30pm to 4.30pm	Mrs. D.R.Mali	The essentials of green chemistry: Green Chemistry tackles the grand challenges.
15	Tuesday 04/05/2022	2.30pm to 4.30pm	Mrs. D.R.Mali	Future Trends in Green Chemistry Oxidation reagents and catalysts; Biomimetic, multifunctional reagents; Combinatorial green chemistry; Proliferation of solventless reactions; co crystal controlled solid state synthesis (C2S3); Green chemistry in sustainable development.
Final Test				

Mrs. S. P. Shelke
Co-ordinator



Dr. S.V. Amrutkar
Principal

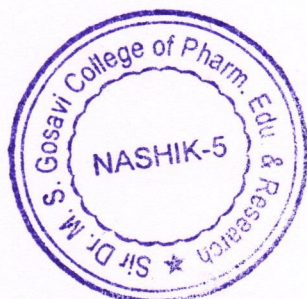


Date- 10 /05 /2021

Notice

Students of T. Y. B. Pharm. (Sem-VI) enrolled for the certificate course in **“Green Chemistry”** are hereby informed to note that the online **final test** on **“Green Chemistry”** is scheduled from **10:00 to 11:00 am on 22 /05 /2021.**

Mrs. S. P. Shelke
Co-ordinator



Dr. S. V. Amrutkar
Principal

TEST ON GREEN CHEMISTRY

T.Y. B. Pharm (2020-21)

shelkesmitap@gmail.com [Switch accounts](#)



*Required

Email *

Your email address

Name (Surname - First name - Middle name): *

Your answer

Roll no. *

Your answer

Green chemistry applies across the _____ of a chemical product like design, * 1 point
manufacture and use.

- Life cycle
- Properties
- Uses
- Efficiency

Green chemistry improves _____ of chemical manufacturers. * 1 point

- Competitiveness
- Easiness of production
- Services
- Chemicals

It reduces the use of _____ * 1 point

- liquid fuels
- Gaseous fuels
- Energy
- Solid fuels

In green synthetic methods, the high quality product with no _____ are produced. * 1 point

- Good products
- Catalyst
- Reaction
- Contamination

The green synthesis methods should have _____ * 1 point

- Low efficiency
- High harmful by products
- Low energy requirements
- Low atom efficiency

We must use feedstock derived from annually renewable resources or from _____ * 1 point

- Chemicals
- Organic compounds
- Abundant waste
- Plants

Green chemistry is the design of chemical products and processes that reduce or eliminate the use and generation of hazardous substances. Identify the technique used in this area. * 1 point

- Bioamplification
- Polymer manufacturing
- Pesticide synthesis
- Use of sunlight and Microwave-assisted reaction

Identify the non-toxic and green solvent. * 1 point

- Liquified carbondioxide
- Benzene
- Carbon tetrachloride
- Toluene

The green solvent maximises the atom _____ * 1 point

- Molecular weight
- Electronic configuration
- Velocity
- Efficiency

Business benefits of green chemistry include? *

1 point

- Reduced costs associated with waste treatment and disposal
- Innovating 'greener' products to entice customers
- Greater compliance with environmental legislation
- All of the above

Which of the following are among the 12 Principles of Green Chemistry? *

1 point

- Design commercially viable products
- Use only new solvents
- Use catalysts, not stoichiometric reagents
- Re-use waste

Which of the following is the greenest solvent? *

1 point

- Formaldehyde
- Benzene
- Ethanol
- Water

Environmental benefits of green chemistry include? *

1 point

- Fewer raw materials and natural resources used
- Cleaner production technologies & reduced emissions
- Smaller quantities of hazardous waste to be treated and disposed of
- All of the above

Timestamp	Email Address	Score	Roll No (New)	Name of student
5/22/2021 12:26:47	apurvaagharkar2001@gmail.com	21/30	3	Agharkar Apurva S.
5/22/2021 12:52:47	harshali1ahire@gmail.com	19/30	4	Ahire harshali Jagdish
5/22/2021 10:46:00	gauri.gsa.18@gmail.com	20/30	6	Aras Gauri Sanjeev
5/22/2021 12:29:18	akshaybachhav555@gmail.com	21/30	7	Bachhav Akshay Rajendra
5/22/2021 13:00:57	samidhabagh@gmail.com	24/30	8	Bag Samidha
5/22/2021 13:35:02	paridnyabankar@gmail.com	23/30	10	Paridnya Bankar
5/22/2021 11:59:56	dipalibansode205@gmail.com	18/30	11	Bansode Dipali Nagnath
5/22/2021 13:55:13	darshanabhamare2001@gmail.com	20/30	12	Bhamare Darshana Bhausahab
5/22/2021 11:27:01	bhavsarpri29@gmail.com	17/30	13	Bhavsar Priti Devendra
5/22/2021 12:08:41	saksheebhavsar9@gmail.com	18/30	14	Bhavsar Sakshee Sunilbhai
5/22/2021 12:33:12	ruchitachaudhari0111@gmail.com	21/30	15	Ruchita Chaudhari
5/23/2021 15:22:58	mohineechauhan121@gmail.com	24/30	16	Chauhan Mohinee Ramesh
5/22/2021 12:42:46	siddharthachavan2000@gmail.com	19/30	17	Chavan Siddhartha G.
5/22/2021 11:37:22	roshanmchitte004@gmail.com	19/30	18	Roshan mahesh chitte
5/22/2021 10:55:18	rutujadarade96@gmail.com	25/30	19	Darade Rutuja Suresh
5/22/2021 13:03:23	sdarak190@gmail.com	26/30	20	Darak Sudarshan Kishor
5/22/2021 12:43:43	daundgauri0@gmail.com	21/30	21	DAUND GAURI SOMNATH
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5/22/2021 12:24:16	bhushandeore1754@gmail.com	20/30	23	Deore Bhushan Vijay
5/22/2021 10:35:00	nikitapdeore@gmail.com	19/30	24	Deore Nikita Pawan
5/22/2021 10:43:55	prajaktaderle@gmail.com	17/30	25	Derle Prajakta Sanjay
5/22/2021 14:32:31	desdhanu@gmail.com	22/30	26	DESHMUKH DHANANJAY S.
5/22/2021 12:48:55	souravdevatkar22@gmail.com	22/30	27	DEVATKAR SOURAV NAMDEVRAO
5/22/2021 11:06:17	samruddhidhawan.1999@gmail.com	24/30	28	Dhawan Samruddhi Mangesh
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5/22/2021 11:54:07	pranugholap1312@gmail.com	20/30	31	Gholap Pranita Sarangdhar
5/22/2021 13:16:58	anjalighuge626@gmail.com	22/30	32	Ghuge Anjali Popat
5/22/2021 11:17:29	kgumbade111@gmail.com	18/30	34	Gumbade Kunal Ramdas
5/22/2021 13:10:05	atharvahastekar4321@gmail.com	20/30	35	Atharva Ramchandra Hastekar
5/22/2021 11:16:41	ashishjadhav29102000@gmail.com	22/30	36	Jadhav Ashish Ramesh
5/22/2021 12:08:51	yashodajadhav113@gmail.com	24/30	37	Yashoda Bhushan Jadhav
5/22/2021 11:07:07	najukajagtap2000@gmail.com	25/30	38	Jagtap Najuka Ravindra
5/22/2021 20:57:20	gauravjasud@gmail.com	23/30	39	Gaurav Sambhaji Jasud
5/22/2021 10:46:10	madhuri.jaybhave499@gmail.com	21/30	40	Jaybhave madhuri bhagwan
5/22/2021 11:02:50	joshiriya263@gmail.com	17/30	41	Joshi Vanshika Sunil
5/22/2021 12:50:49	akashjumdr2001@gmail.com	18/30	42	Jumde Shilpa Madhavrao
5/22/2021 10:48:01	shradhakandalkar123@gmail.com	20/30	43	Kandalkar Shradha Ganpat
6/22/2021 12:57:00	ankeshkasar89@gmail.com	21/30	44	Kasar Ankesh Rajendra

5/22/2021 18:18:45 shindeshruti9641@gmail.com	22/30	99	Shinde Shruti Deepak
5/22/2021 13:10:29 sudarshanshinde185@gmail.com	24/30	100	Sudarshan Shinde
5/22/2021 10:48:50 ksinkar24@gmail.com	23/30	102	Kalpesh Ashok Sinkar
5/22/2021 11:25:11 utkarsh15soni@gmail.com	18/30	104	Utkarsh Soni
5/22/2021 11:15:24 pranalisutar411@gmail.com	19/30	106	Pranali sutar
5/22/2021 10:48:37 rushikeshtuplondhe0404@gmail.com	17/30	108	Tuplondhe Rushikesh
5/22/2021 14:25:22 sv024524@gmail.com	16/30	109	Vaidya Shrutika Shivaji
5/22/2021 11:37:39 tanayvaidya61@gmail.com	21/30	110	Tanay vaidya
5/22/2021 11:55:33 pratikwagh7828@gmail.com	22/30	113	Wagh Pratik Avinash
5/22/2021 11:22:11 dwaghchaure9595@gmail.com	27/30	115	Waghchaure Devashish H.
5/22/2021 15:02:25 meghnawani6199@gmail.com	23/30	116	Wani Meghna
5/22/2021 11:18:11 watanedevyani@gmail.com	19/30	117	Devyani Umesh Watane
5/22/2021 14:11:44 namratayeole1901@gmail.com	24/30	118	Yeole Namrata Rajendra



S. P. Shelke

Ms. S. P. Shelke
(course coordinator)



Gokhale Education Society's
Sir Dr. M.S. Gosavi College of Pharmaceutical Education & Research,
Prin. T.A. Kulkarni Vidyanagar, College Road, Nashik-5

MARKLIST

Roll No.	Name of student	Score
3	Agharkar Apurva S.	21/30
4	Ahire harshali Jagdish	19/30
6	Aras Gauri Sanjeev	20/30
7	Bachhav Akshay Rajendra	21/30
8	Bag Samidha	24/30
10	Paridnya Bankar	23/30
11	Bansode Dipali Nagnath	18/30
12	Bhamare Darshana Bhausahab	20/30
13	Bhavsar Priti Devendra	17/30
14	Bhavsar Sakshee Sunilbhai	18/30
15	Ruchita Chaudhari	21/30
16	Chauhan Mohinee Ramesh	24/30
17	Chavan Siddhartha G.	19/30
18	Roshan mahesh chitte	19/30
19	Darade Rutuja Suresh	25/30
20	Darak Sudarshan Kishor	26/30
21	DAUND GAURI SOMNATH	21/30
22	Demase Saurabh Ramesh	28/30
23	Deore Bhushan Vijay	20/30
24	Deore Nikita Pawan	19/30
25	Derle Prajakta Sanjay	17/30
26	DESHMUKH DHANANJAY S.	22/30
27	DEVATKAR SOURAV NAMDEVRAO	22/30
28	Dhawan Samruddhi Mangesh	24/30
29	Rutuja Shriram Dhondge	21/30
30	Gaikwad ptanit	16/30
31	Gholap Pranita Sarangdhar	20/30
32	Ghuge Anjali Popat	22/30
34	Gumbade Kunal Ramdas	18/30
35	Atharva Ramchandra Hastekar	20/30
36	Jadhav Ashish Ramesh	22/30
37	Yashoda Bhushan Jadhav	24/30
38	Jagtap Najuka Ravindra	25/30
39	Gaurav Sambhaji Jasud	23/30
40	Jaybhav madhuri bhagwan	21/30
41	Joshi Vanshika Sunil	17/30
42	Jumde Shilpa Madhavrao	18/30
43	Kandalkar Shradha Ganpat	20/30
44	Kasar Ankesh Rajendra	21/30



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Roll No.	Name of student	Score
45	Katkade sayali ramakant	19/30
47	Khairnar Nikita Murlidhar	22/30
48	Khairnar Snehal Rajendra	21/30
49	Kothawade Aditi Avinash	21/30
50	Kothawade Sakshi Milind	24/30
51	Kulkarni Aboli Shailendra	20/30
52	Apurv Kulkarni	18/30
53	Kulkarni Hemant Sanjay	19/30
54	Darshan H.Laddha	19/30
55	Layare Pranjal sharad	17/30
56	Mahajan Divya Surendra	25/30
58	Maniyar Kovnen Javed	21/30
59	Markandey Tejas	21/30
61	Nalavade Ashwini Rajendra	15/30
62	Rutuja Vijay narwade	26/30
64	Nikam Amar Pandharinath	24/30
65	Nirbhavane Gaurav Ahilu	20/30
66	Padme Manisha Prakash	18/30
68	Vaishnavi Dipak pagar	21/30
69	Janhavi Milind Pagar	27/30
71	Pande Dipali Dilip	19/30
72	Pandit Aditya Jaywant	22/30
74	Devendra vitthal patil	24/30
75	Harshal suresh patil	20/30
76	Kalyani Hemant Patil	21/30
77	Patil Komal Uday	16/30
78	PATIL NEHA K.	23/30
79	Nishant Patil	25/30
81	Patil Priyanka Anil	22/30
82	RUTUJA PATIL	21/30
83	Patil Snehal Suresh	19/30
84	Patil Tanvi Ramesh	20/30
87	Pawar Harshada Pramod	23/30
89	Apeksha girish pendharkar	21/30
90	Potkule Saurabh Baban	20/30
92	rawale simran pradeep	20/30
94	Sharma Mohit Purshottam	20/30
96	Siddesh Shewalkar	23/30
97	Shinde kunal k	18/30



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Roll No.	Name of student	Score
98	Shinde Shreya D	21/30
99	Shinde Shruti Deepak	22/30
100	Sudarshan Shinde	24/30
102	Kalpesh Ashok Sinkar	23/30
104	Utkarsh Soni	18/30
106	Pranali sutar	19/30
108	Tuplondhe Rushikesh	17/30
109	Vaidya Shrutika Shivaji	16/30
110	Tanay vaidya	21/30
113	Wagh Pratik Avinash	22/30
115	Waghchaure Devashish H.	27/30
116	Wani Meghna	23/30
117	Devyani Umesh Watane	19/30
118	Yeole Namrata Rajendra	24/30



Mrs S. P. Shelke
Co-Ordinator



Gokhale Education Society's

**Sir Dr. M.S. Gosavi College of
Pharmaceutical Education & Research, Nashik.**

Prin. T. A. Kulkarni Vidynagar, Nashik - 422005. (M.S.), India



Affiliated to SPPU, Pune & MSBTE, Mumbai • Approved by PCI, New Delhi and DTE, Mumbai • Recognized by Govt. of Maharashtra

An ISO 9001:2015 Certified Institute

Key indicator - 1.2 Academic Flexibility

Metric No. - 1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

A.Y. 2019 - 20

Institutional Programme Notice flyer for certificate course with course modules and outcomes



► ISO 9001:2015 Certified Institute

► Permanently Affiliated to Savitribai Phule Pune University (ID: CPHN019840)

► Approved by AICTE (Permanent ID: 1-728030324), PCI-New Delhi, DTE and MSBTE- Govt. of Maharashtra

PHARMACOVIGILANCE

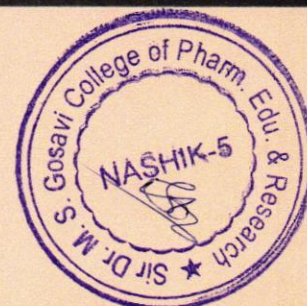
NAME OF COORDINATOR :
MR. V.B.JADHAV

COURSE BEGINS FROM: 09/08/2019



Objective: To provide students knowledge about the Pharmacovigilance

Outcome: Students can evaluate critically the regulatory framework for clinical medication safety as well as the pharmacovigilance practice guidelines



VENUE: SIR DR. M.S. GOSAVI COLLEGE OF PHARMACEUTICAL EDUCATION AND RESEARCH, NASHIK



SCHEDULE & SYLLABUS- ADD-ON CERTIFICATE COURSE ON PHARMACOVIGILANCE

Sr. No.	Day & Date	Time	Resource Person	Content
1	Friday 09/08/2019	9.00 am to 10.00 am	Mr. V. B. Jadhav	Introduction to Pharmacovigilance History and development of Pharmacovigilance, Importance of safety monitoring of Medicine, WHO international drug monitoring programme, Pharmacovigilance Program of India (PvPI)
		5.00 pm to 06.00 pm		
2	Saturday 10/08/2019	9.00 am to 10.00 am	Mr. V. B. Jadhav	Introduction to adverse drug reactions Definitions and classification of ADRs, Detection and reporting,
		5.00 pm to 06.00 pm		
3	Friday 16/08/2019	9.00 am to 10.00 am	Mr. V. B. Jadhav	Drug dictionaries and coding in pharmacovigilance WHO adverse reaction terminologies, MedDRA and Standardized MedDRA queries, WHO drug dictionary, Eudravigilance medicinal product dictionary
		5.00 pm to 06.00 pm		
4	Saturday 17/08/2019	9.00 am to 10.00 am	Mr. V. B. Jadhav	Establishing pharmacovigilance programme Establishing in a hospital, Establishment & operation of drug safety department in industry, Contract Research Organizations (CROs), Establishing a national programme
		5.00 pm to 06.00 pm		
5	Friday 23/08/2019	9.00 am to 10.00 am	Mr. V. B. Jadhav	Pharmacovigilance methods Passive surveillance – Spontaneous reports and case series, Stimulated reporting. Active surveillance – Sentinel sites, drug event monitoring and registries, Comparative observational studies – Cross sectional study, case control study and cohort study, Targeted clinical investigations
		5.00 pm to 06.00 pm		
	Saturday	9.00 am to 10.00 am	Dr. R. A. Patil	Communication in pharmacovigilance



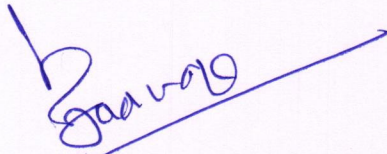
Gokhale Education Society's
SIR DR. M. S. GOSAVI COLLEGE OF PHARMACEUTICAL EDUCATION & RESEARCH
 Prin. T. A. Kulkarni Vidyanagar, Nashik-422005
 Telefax No.: - 0253-223279

6	24/08/2019	5.00 pm to 06.00 pm		Effective communication in Pharmacovigilance, Communication in Drug Safety Crisis management, Communicating with Regulatory Agencies, Business Partners, Healthcare facilities & Media
7	Friday 30/08/2019	9.00 am to 10.00 am	Dr. R. A. Patil	ICH Guidelines for Pharmacovigilance Organization and objectives of ICH, Expedited reporting, Individual case safety reports, Periodic safety update reports, Post approval expedited reporting, Pharmacovigilance planning, Good clinical practice in pharmacovigilance studies
		5.00 pm to 06.00 pm		
8	Saturday 31/08/2019	9.00 am to 10.00 am	Dr. R. A. Patil	Pharmacogenomics of adverse drug reaction Genetics related ADR with example focusing PK parameters.
		5.00 pm to 06.00 pm		
9	Friday 06/09/2019	9.00 am to 10.00 am	Dr. R. A. Patil	CDSCO (India) and Pharmacovigilance D&C Act and Schedule Y Differences in Indian and global pharmacovigilance requirements
		5.00 pm to 06.00 pm		
10	Saturday 07/09/2019	9.00 am to 10.00 am	Dr. R. A. Patil	Vaccine safety surveillance Vaccine Pharmacovigilance, Vaccination failure, Adverse events following immunization
		5.00 pm to 06.00 pm		
11	Friday 13/09/2019	9.00 am to 10.00 am	Mr. V. B. Jadhav	Information resources in pharmacovigilance Basic drug information resources, Specialized resources for ADRs
		5.00 pm to 06.00 pm		
12	Saturday 14/09/2019	9.00 am to 10.00 am	Dr. R. A. Patil	Safety data generation Pre-clinical phase, Clinical phase, Post approval phase (PMS)
		5.00 pm to 06.00 pm		



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13	Friday 20/09/2019	9.00 am to 10.00 am	Dr. R. A. Patil	Drug and disease classification Anatomical, therapeutic and chemical classification of drugs, International classification of diseases,
		5.00 pm to 06.00 pm		
14	Saturday 21/09/2019	9.00 am to 10.00 am	Dr. R. A. Patil	CIOMS CIOMS Working Groups, CIOMS Form
		5.00 pm to 6.00 pm		
15	Friday 27/09/2019	9.00 am to 10.00 am	Dr. R. A. Patil	Methods in Causality assessment, Severity and seriousness assessment, Predictability and preventability assessment, Management of adverse drug reactions
		5.00 pm to 6.00 pm		
EXAMINATION				


Mr. V. B. Jadhav

Course Incharge





Dr. S. V. Amrutkar

Principal



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Date- 01/10/2019

Notice

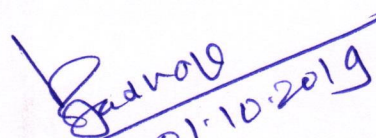
Students of T. Y. B. Pharm. (Sem-V) enrolled for the '**Add-On Certificate Course Pharmacovigilance**' are hereby informed to note the schedule of examination.

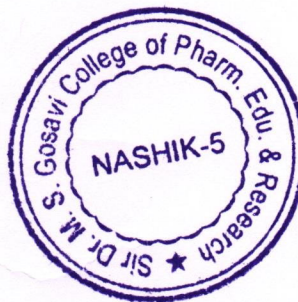
Total marks for the said examination is 40.


Minimum marks required to get certificate is **25 out of 40**.

Day & Date of Examination- Monday, 15/10/2019

Time- 9.00 AM to 10.00 AM


Mr. V. B. Jadhav
Course Incharge




Dr. S. V. Amrutkar
Principal



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Name :- Deshmare Hindavi Chetan

Roll no :- 27

Examination for Add-On Certificate Course- Pharmacovigilance

Class (A. Y.): T. Y. B. Pharm (2019-2020)

Sem: V

Add-On Course- Pharmacovigilance

Max. Marks: 40

Day & Date: 15/10/2019 (Monday)

Time: 1 hour

Note- All questions are compulsory and each question carry one mark. Minimum marks required to get certificate is 25 out of 40.

1. Process of pharmacovigilance is-

- a) Case processing-signal management-risk management- submission to UMC
- b) Case processing-risk management-signal management-submission to UMC
- c) Submission to UMC- case processing-signal management-risk management
- d) Risk management- submission to UMC- case processing-signal management

2. Adverse event-

- a) Is life threatening
- b) Due to drug/treatment
- c) May or may not have causal relationship with treatment
- d) None of above

3. It is a list of patients with the same characteristics useful in the active surveillance of Pharmacovigilance-

- a) Sentinel sites b) Registries c) Drug event monitoring d) Case series

4. The purpose of preclinical testing is-

- a) To verify that a drug is sufficiently safe and effective to be tested in humans.
- b) To undergo preliminary testing in healthy humans to monitor the effects of the drug.
- c) To create a basic outline for the larger scale future tests on a widespread population.
- d) To develop method of drug analysis

5. What are Good Clinical Practices?

- a) Regulations set in place by Government that how clinical trials are supposed to be managed
- b) Clinical practices that adhere to the best standards of care.
- c) Widely accepted standards of practice during clinical trials
- d) The FDA's requirements for how trials are conducted and documented

6. GCP provides public assurance that-

- a) Rights and safety of participants are protected
- b) The rights, safety and wellbeing of research participants are protected and that research data are reliable.
- c) Results are reliable
- d) Safety of participant is observed and results are reliable

7. Which of the following terms does not describe an Adverse Drug Reaction?

- a) Idiosyncrasy b) Anaphylaxis c) Teratogenic effect d) Placebo effect

8. Idiosyncrasy is _____.

- a) Type A ADRs b) Type B ADRs c) Type C ADRs d) Type D ADRs

9. GCP are seen in all of the following except-

- a) Phase I trial b) Phase II trial c) Preclinical trials d) Phase IV trial



20. This observational study of pharmacovigilance includes a group of individuals who share a common characteristic and may be chosen based on a population definition, or based on a particular exposure-

- a) Case control study b) Cohort study c) Cross sectional study d) Spontaneous reporting

21. MedDRA includes all of the following except-

- a) Medical and surgical procedures
b) Patient demographic terms
 c) Product quality issues
d) Toxicologic issues

22. Which one of the following comprise primary drug information resource?

- a) Review and research articles
b) Major compendia
 c) EMBASE and MEDLINE
d) Clinical research study reports

23. Which of the following database is maintained by UMC on behalf of World Health Organization?

- a) EudraVigilance b) Motherisk c) Vigibase d) General Practice Research Database (GPRD)

24. Naranjo scale method of causality assessment is-

- a) Algorithmic method b) Probabilistic method c) Global introspection d) Algebraic Method

25. The most commonly adopted method for reporting of ADR is-

- a) Expedited reporting.
b) Longitudinal electronic patient records
 c) Spontaneous reporting.
d) Suspected reporting

26. Following is not a method of stimulated reporting-

- a) Online reporting.
b) Sponsor encouragement reporting
c) Offline reporting.
d) Prompt / induced reporting

27. Sentinel system was launched by FDA in-

- a) May 2010. b) May 2008 c) April 2010 d) April 2008

28. Type of comparative observational studies is-

- a) Randomized controlled trials
b) Qualitative studies
 c) Cohort studies
d) Test controlled studies

29. Targeted clinical investigations required-

- a) IRB approval b) FDA approval, c) IEC approval d) IRB /ICE approval



39. The hierarchy in MedDRA is-

- a) System Organ Class (SOC)
- b) High Level Group Term (HLGT)
- c) High Level Term (HLT)
- d) All of the above

40. Clinical Safety Data Management: Definitions and Standards for Expedited Reporting guideline-

- a) E2A b)E2B (R2) c)E2B (R3) d)E2C (R1)

Name:- Musale Sanmesh Dinesh
Roll NO:- 12

72
37
90



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Examination for Add-On Certificate Course- Pharmacovigilance

Class (A. Y.): T. Y. B. Pharm (2019-2020)

Sem: V

Add-On Course- Pharmacovigilance

Max. Marks: 40

Day & Date: 15/10/2019 (Monday)

Time: 1 hour

Note- All questions are compulsory and each question carry one mark. Minimum marks required to get certificate is 25 out of 40.

1. Process of pharmacovigilance is-
 - a) Case processing-signal management-risk management- submission to UMC
 - b) Case processing-risk management-signal management-submission to UMC
 - c) Submission to UMC- case processing-signal management-risk management
 - d) Risk management- submission to UMC- case processing-signal management
2. Adverse event-
 - a) Is life threatening
 - b) Due to drug/treatment
 - c) May or may not have causal relationship with treatment
 - d) None of above
3. It is a list of patients with the same characteristics useful in the active surveillance of Pharmacovigilance-
 - a) Sentinel sites
 - b) Registries
 - c) Drug event monitoring
 - d) Case series
4. The purpose of preclinical testing is-
 - a) To verify that a drug is sufficiently safe and effective to be tested in humans.
 - b) To undergo preliminary testing in healthy humans to monitor the effects of the drug.
 - c) To create a basic outline for the larger scale future tests on a widespread population.
 - d) To develop method of drug analysis
5. What are Good Clinical Practices?
 - a) Regulations set in place by Government that how clinical trials are supposed to be managed
 - b) Clinical practices that adhere to the best standards of care.
 - c) Widely accepted standards of practice during clinical trials
 - d) The FDA's requirements for how trials are conducted and documented
6. GCP provides public assurance that-
 - a) Rights and safety of participants are protected
 - b) The rights, safety and wellbeing of research participants are protected and that research data are reliable.
 - c) Results are reliable
 - d) Safety of participant is observed and results are reliable
7. Which of the following terms does not describe an Adverse Drug Reaction?
 - a) Idiosyncrasy
 - b) Anaphylaxis
 - c) Teratogenic effect
 - d) Placebo effect
8. Idiosyncrasy is_____.
 - a) Type A ADRs
 - b) Type B ADRs
 - c) Type C ADRs
 - d) Type D ADRs
9. GCP are seen in all of the following except-
 - a) Phase I trial
 - b) Phase II trial
 - c) Preclinical trials
 - d) Phase IV trial



20. This observational study of pharmacovigilance includes a group of individuals who share a common characteristic and may be chosen based on a population definition, or based on a particular exposure-

- a) Case control study b) Cohort study c) Cross sectional study d) Spontaneous reporting

21. MedDRA includes all of the following except-

- a) Medical and surgical procedures
b) Patient demographic terms
 c) Product quality issues
d) Toxicologic issues

22. Which one of the following comprise primary drug information resource?

- a) Review and research articles
b) Major compendia
 c) EMBASE and MEDLINE
d) Clinical research study reports

23. Which of the following database is maintained by UMC on behalf of World Health Organization?

- a) EudraVigilance b) Motherisk c) Vigibase d) General Practice Research Database (GPRD)

24. Naranjo scale method of causality assessment is-

- a) Algorithmic method b) Probabilistic method c) Global introspection d) Algebraic Method

25. The most commonly adopted method for reporting of ADR is-

- a) Expedited reporting.
b) Longitudinal electronic patient records
 c) Spontaneous reporting.
d) Suspected reporting

26. Following is not a method of stimulated reporting-

- a) Online reporting.
b) Sponsor encouragement reporting
c) Offline reporting.
d) Prompt / induced reporting

27. Sentinel system was launched by FDA in-

- a) May 2010. b) May 2008 c) April 2010 d) April 2008

28. Type of comparative observational studies is-

- a) Randomized controlled trials
b) Qualitative studies
 c) Cohort studies
d) Test controlled studies

29. Targeted clinical investigations required-

- a) IRB approval b) FDA approval c) IEC approval d) IRB /ICE approval



39. The hierarchy in MedDRA is-

- a) System Organ Class (SOC)
- b) High Level Group Term (HLGT)
- c) High Level Term (HLT)
- d) All of the above

40. Clinical Safety Data Management: Definitions and Standards for Expedited Reporting guideline-

- a) E2A b)E2B (R2) c)E2B (R3) d)E2C (R1)



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Examination for Add-On Certificate Course- Pharmacovigilance
Class (A. Y.): T. Y. B. Pharm (2019-2022) Sem: V
Add-On Course- Pharmacovigilance Max. Marks: 40
Day & Date: 15/10/2019 (Monday) Time: 1 hour

ANSWER KEY

Q. No.	Correct Option	Q. No.	Correct Option	Q. No.	Correct Option	Q. No.	Correct Option
1	a	11	b	21	c	31	c
2	c	12	c	22	c	32	b
3	d	13	a	23	c	33	d
4	a	14	c	24	b	34	d
5	d	15	d	25	c	35	d
6	b	16	d	26	a	36	b
7	d	17	a	27	b	37	a
8	b	18	a	28	c	38	c
9	c	19	d	29	a	39	d
10	a	20	c	30	a	40	a





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Class (A. Y.): T. Y. B.Pharm (2019-2020)
Add-On Course- Pharmacovigilance
Day & Date: Monday, 15/10/2019

Sem: VI
Time: 1 Hr
Marks: 40

Marklist

Roll No	Name of the Student	Marks Obtained (Out of 40)
1	Aagharkar Aishwarya R.	38
2	Ahire Rajeshwari Sunil	38
3	Ambore Gauri Sunil	30
4	Amrutkar Mansi Bhanudas	36
5	Amrutkar Pradnya C	37
6	Amrutkar Prajakta R	37
7	Avhad Atul Kailas	36
8	Barashile Ankita Ankush	36
9	Begade Pooja Ravindra	33
10	Bendkule Kanchan Baban	37
11	Bhate Sayali Shekhar	36
12	Bhavar Yuvraj Bhushan	39
13	Bhor Sanchita Arun	38
14	Bhosale Kaveri Sanjay	37
15	Birari Pooja Rajendra	38
16	Birari Poorva Bharat	39
17	Bokhare Sharanya Kiran	36
18	Borse Sanika Pradeep	38
19	Borse Sujot Sunil	37
20	Borse Vaishnavi M	36
21	Chandramore Mansi Ashok	37
22	Chandwadkar Aishwarya Y.	37
23	Chavan Aditi Ravindra	38
24	Chavan Pushkar Subhash	37
25	Chavan Sneha Sudam	39
26	Dawale Bhargav Gajendra	38
27	Deshmane Hindavi Chetan	38
28	Deshmukh Nikita Nitinrao	38
29	Deshpande Sakshi Sanjay	38
30	Dhanwate Aashutosh Sanjay	38
31	Dhas Vaishnavi Satish	38



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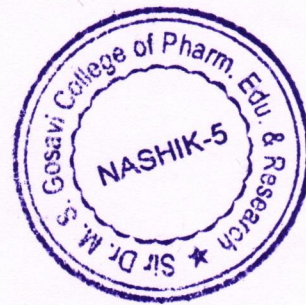
Roll No	Name of the Student	Marks Obtained (Out of 40)
32	Dhikale Shalaka Shashikant	39
33	Dhongade Rutuja Sadashiv	37
34	Dighole Aishwarya Prasanna	38
35	Gaikhe Arya Sunil	35
36	Ghane AnkitaRavindra	38
37	GhuleAshiti Mohan	35
38	Golhar Arnav Sanjay	36
39	Gore Sanyukta Sanjay	35
40	GunjalAnushri C	36
41	Hudlikar Rajas Rajendra	37
42	Jadhav RohitNivrutti	36
43	Jagtap Ankita Nitin	39
44	Jalihalkar Sanyukta S.	37
45	Jedgule Sanjana Jalandar	36
46	Jejurkar Rohini Sudhakar	39
47	Joshi Saiee Pankaj	39
48	Kadam Atharva Mahendra	34
49	Kadam Shruti Prakash	28
50	Kakvipure Dhanashri L.	38
51	Kale Ashutosh Bhagwat	36
52	Kale Mahesh Madhav	36
53	Kaloji Rohit Mohan	37
54	Kanaskar Shubhangi N.	37
55	Kankariya Yash Pramod	37
56	Kasture Kaustubh Ajay	39
57	Kathe Ruchika Pravin	37
58	Kawale Saurav Shailesh	38
59	Khairnar Manjiri Ramesh	36
60	Khairnar Vaishnavi Vijay	38
61	Khan Afrin FirdosPathan K.	38
62	Khanwale Atharva Chaitanya	38
63	Khond Shreya Shekhar	38
64	Kothawade Tejas Yogesh	38
65	Kuwar Yojana Ananda	38
66	Lokwani Yash Prem	36
67	Mahale Shubhangi Dinkar	38



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Roll No	Name of the Student	Marks Obtained (Out of 40)
68	Mali Chhaya Vilas	38
69	Mindhe Pranali B	36
70	Morade YogitaYograj	37
71	Musale Prerana Sharad	33
72	Musale Sanmesh Dinesh	37
73	Ner Jayesh Bhika	35
74	Pandure Vaishnavi P.	38
75	Pardeshi Shreyash K	37
76	Patel Shivam Vijaykumar	38
77	Pathak Shruti Ramakant	37
78	Pathan Alfiya Ansar	39
79	Patil Kalpesh Bhikan	35
80	Patki Chaitanya Harish	39
81	Pawar KaveriBabaji	36
82	Pawar Mayuri Rambhau	38
83	Pawar SandeshY	38

(Signature)
15.10.2019
(V. B. S. S. S. S.)
Name, Date and Sign of Course I/C





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An ISO 9001:2015 Certified Institute

Key indicator - 1.2 Academic Flexibility

Metric No. - 1.2.1

**Number of Certificate/Value added courses offered
and online courses of MOOCs, SWAYAM, NPTEL etc.
(where the students of the institution have enrolled
and successfully completed during the last five years)**

A.Y. 2018 - 19

**Institutional Programme Notice flyer for certificate
course with course modules and outcomes**



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Email : prin@msgpharma.org ☎ : 0253-2232799



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► Permanently Affiliated to Savitribai Phule Pune University (ID: CPHN019840)

► Approved by AICTE (Permanent ID: 1-728030324), PCI-New Delhi, DTE and MSBTE- Govt. of Maharashtra



QUALITY CONTROL AND STANDARDIZATION OF HERBALS

COURSE COORDINATOR: MR. R.Y. GHEGADE

- MINIMUM 75% ATTENDANCE
COMPULSORY TO APPEAR FOR FINAL
EXAM
- OFFLINE MODE

COURSE BEGINS FROM: 14/08/2018

**VENUE: SIR DR. M.S. GOSAVI COLLEGE OF PHARMACEUTICAL
EDUCATION AND RESEARCH, NASHIK**





Date- 13/08/2018

Notice

Students of T. Y. B. Pharm. (Sem-VI) enrolled for the **certificate course in "Quality Control and Standardization of Herbals"** are hereby informed to note that the regular lectures on " Quality Control and Standardization of Herbals " will begin from **14/08/2018** and will be conducted as per the following schedule.

Any change in the schedule will be informed one week prior.

Also, note that **minimum 75% attendance** for the course is **mandatory** to appear for the final exam.

Mr. R.Y. Ghegade
Co-Ordinator



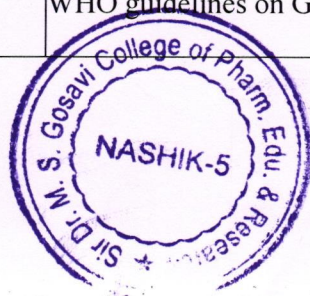
Dr. S. V. Amrutkar
Principal



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CERTIFICATE COURSE ON QUALITY CONTROL AND STANDARDIZATION OF HERBALS
ADD ON COURSE SYLLABUS DISTRIBUTION

Sr. No.	Day & Date	Time	Name of Resource Person	Content
1	Tuesday 14/8/2018	10 to 11 am	Mr. R. Y. Ghegade	Basic tests for drugs – Pharmaceutical substances, Medicinal plants materials and dosage forms
		11.30 am to 12.30 pm		
2	Tuesday 21/8/2018	10 to 11 am	Mr. R. Y. Ghegade	WHO guidelines for quality control of herbal drugs,
		11.30 am to 12.30 pm		
3	Tuesday 28/8/2018	10 to 11 am	Mr. R. Y. Ghegade	Evaluation of commercial crude drugs intended for use
		11.30 am to 12.30 pm		
4	Tuesday 4/9/2018	10 to 11 am	Mr. R. Y. Ghegade	Quality assurance in herbal drug industry of cGMP in traditional system of medicine WHO guidelines on current Good Manufacturing Practices (cGMP) for Herbal Medicines
		11.30 am to 12.30 pm		
5	Tuesday 11/9/2018	10 to 11 am	Mrs.A.P. Sonawane	Quality assurance in herbal drug industry of GAP, in traditional system of medicine WHO guidelines on current Good Manufacturing Practices (cGMP) for Herbal Medicines
		11.30 am to 12.30 pm		
6	Tuesday 18/9/2018	10 to 11 am	Mr. R. Y. Ghegade	Quality assurance in herbal drug industry of GMP in traditional system of medicine WHO guidelines on current Good Manufacturing Practices (cGMP) for Herbal Medicines
		11.30 am to 12.30 pm		
7	Tuesday 25/9/2018	10 to 11 am	Mr. R. Y. Ghegade	Quality assurance in herbal drug industry of GLP in traditional system of medicine WHO guidelines on current Good Manufacturing Practices (cGMP) for Herbal Medicines
		11.30 am to 12.30 pm		
8	Tuesday 2/10/2018	10 to 11 am	Mr. R. Y. Ghegade	WHO guidelines on GACP for Medicinal Plants.





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		11.30 am to 12.30 pm		
9	Tuesday 9/10/2018	10 to 11 am	Mrs.A.P. Sonawane	EU and ICH guidelines for quality control of herbal drugs.
		11.30 am to 12.30 pm		
10	Tuesday 16/10/2018	10 to 11 am	Mr. R. Y. Ghegade	Research Guidelines for Evaluating the Safety and Efficacy of Herbal Medicines
		11.30 am to 12.30 pm		
11	Tuesday 30/10/2018	10 to 11 am	Mr. R. Y. Ghegade	Stability testing of herbal medicines. Application of various chromatographic techniques in standardization of herbal products.
		11.30 am to 12.30 pm		
12	Tuesday 6/11/2018	10 to 11 am	Mr. R. Y. Ghegade	Preparation of documents for new drug application and export registration GMP requirements and Drugs & Cosmetics Act provisions.
		11.30 am to 12.30 pm		
13	Tuesday 13/11/2018	10 to 11 am	Mr. R. Y. Ghegade	Regulatory requirements for herbal medicines.
		11.30 am to 12.30 pm		
14	Tuesday 20/11/2018	10 to 11 am	Mrs.A.P. Sonawane	WHO guidelines on safety monitoring of herbal medicines in pharmacovigilance systems.
		11.30 am to 12.30 pm		
15	Tuesday 27/11/2018	10 to 11 am	Mr. R. Y. Ghegade	Comparison of various Herbal Pharmacopoeias. Role of chemical and biological markers in standardization of herbal products
		11.30 am to 12.30 pm		



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Final Test

Mr. R. Y. Ghegade
Co-Ordinator



Dr. S. V. Amrutkar
Principal




Schedule

Sr. No.	Day & Date	Time
1	Tuesday 14/8/2018	10 to 11 am
		11.30 am to 12.30 pm
2	Tuesday 21/8/2018	10 to 11 am
		11.30 am to 12.30 pm
3	Tuesday 28/8/2018	10 to 11 am
		11.30 am to 12.30 pm
4	Tuesday 4/9/2018	10 to 11 am
		11.30 am to 12.30 pm
5	Tuesday 11/9/2018	10 to 11 am
		11.30 am to 12.30 pm
6	Tuesday 18/9/2018	10 to 11 am
		11.30 am to 12.30 pm
7	Tuesday 25/9/2018	10 to 11 am
		11.30 am to 12.30 pm
8	Tuesday 2/10/2018	10 to 11 am
		11.30 am to 12.30 pm
9	Tuesday 9/10/2018	10 to 11 am
		11.30 am to 12.30 pm
10	Tuesday 16/10/2018	10 to 11 am
		11.30 am to 12.30 pm
11	Tuesday 30/10/2018	10 to 11 am
		11.30 am to 12.30 pm
12	Tuesday 6/11/2018	10 to 11 am
		11.30 am to 12.30 pm




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13	Tuesday 13/11/2018	10 to 11 am
		11.30 am to 12.30 pm
14	Tuesday 20/11/2018	10 to 11 am
		11.30 am to 12.30 pm
15	Tuesday 27/11/2018	10 to 11 am
		11.30 am to 12.30 pm
FINAL TEST		


Mr. R. Y. Ghegade
Co-Ordinator




Dr. S. V. Amrutkar
Principal



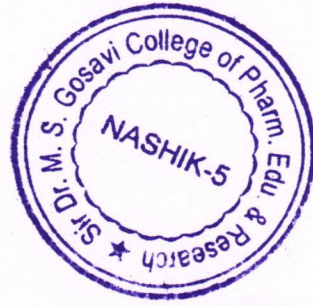
Date- 20/11/2018

Notice

Students of T. Y. B. Pharm. (Sem-V) enrolled for the certificate course in "Quality Control and Standardization of Herbals" are hereby informed to note that the **final test** on "Quality Control and Standardization of Herbals" is scheduled from **10:00 to 11:00 am** on 4/12/2018 (Tuesday).

R.Y. Ghegade

Mr. R.Y. Ghegade
Co-Ordinator



S. V. Amrutkar

Dr. S. V. Amrutkar
Principal



46/50

Hameet Aher Aniket. s

Roll.No: 02.

TEST ON QUALITY CONTROL AND STANDARDIZATION OF HERBALS

Class: T.Y. B. Pharm (2018-2019)

Sem: V

Subject: Quality Control and Standardization of Herbals

Max. Marks: 50

Date & Day: Tuesday 4/12/2018

Time: 1 hour

All questions are compulsory*

Q.1 Macroscopic Methods include

- 02 ✓
- a) Shape and size
 - b) Total Ash Value
 - c) Cellular structure
 - d) Water solubility

Q.2 Processing of herbal raw materials include....

- 02 ✓
- a) Primary Processing
 - b) Specific Processing
 - c) Drawing
 - d) All

Q.3 Which of the following is included in sensory evaluation?

- 02 ✓
- a) Colour
 - b) Odour
 - c) Taste
 - d) All

Q.4 An example of crude drug adulterated with exhaustive drug

- 02 ✓
- a) Senna
 - b) Datura
 - c) Coriander
 - d) Ephedra

Q.5 Which of the following method is used for Separation, identification, impurity detection and assay of herbal drug in the formulation?

- 02 ✓
- a) HPLC
 - b) HPTLC
 - c) TLC
 - d) All



Q.13 Following which is/are the components of CGMP of herbal product-

- a) Training
- b) Personnel
- c) Premises
- d) All

Q.14 Good Agricultural and Collection Practices for Medicinal Plants guidelines set by WHO in.....

- a) 2001
- b) 2002
- c) 2003
- d) 2004

Q.15 Incoming fresh herbal materials should be stored at-

- a) Below 0°C
- b) Below 8°C
- c) At room temperature
- d) None

Q.16 Following are Certifying agencies for GMP medicinal product except-

- a) ICH
- b) ISA
- c) WHO
- d) USFDA

Q.17 Which is the Licensing Authority for importers, wholesalers, manufacturers for herbal medicinal product-

- a) Drug licensing authority
- b) National drug regulatory authority
- c) Both a and b
- d) None

Q.18 Following modern analytical techniques are used for characterization of herbal medicines except-

- a) Microscopy
- b) HPLC
- c) Atomic absorption
- d) Mass spectrometry



44
50
B

Name :- Kharote Riddhi B.

Roll. No :- 30

TEST ON QUALITY CONTROL AND STANDARDIZATION OF HERBALS

Class: T.Y. B. Pharm (2018-2019)

Sem: V

Subject: Quality Control and Standardization of Herbals

Max. Marks: 50

Date & Day: Tuesday 4/12/2018

Time: 1 hour

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EXAMINATION FOR ADD-ON COURSE

Class (pattern): T.Y.B.Pharm (2018-2019)

Sem: V

Subject: Quality Control And Standardization of Herbals

Time: 1 Hr

Day & Date: Tuesday 4/12/2018

Marks: 50

MARKLIST

ROLL NO.	MARKS OBTAINED	ROLL NO.	MARKS OBTAINED	ROLL NO.	MARKS OBTAINED
1	44	21	46	41	44
2	46	22	46	42	44
3	44	23	46	43	44
4	46	24	46	44	50
5	44	25	42	45	44
6	44	26	44	46	42
7	46	27	46	47	42
8	46	28	44	48	46
9	44	29	42	49	46
10	44	30	44	50	44
11	42	31	48	51	46
12	44	32	44	52	44
13	44	33	46	53	44
14	44	34	44	54	Absent
15	50	35	44	55	40
16	44	36	46	56	42
17	44	37	46	57	Absent
18	44	38	46	58	38
19	46	39	44	59	42
20	44	40	44	60	44

B. P. K.
15/12/18



Name, Date and Sign of Course I/C