

(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

List of Courses for the AY 2019-20

S. No	Name of the Course
1	The Future of Personalized Medicine
2	Importance of Nutraceuticals and Functional Foods for a Healthy Life
3	QSAR in Environmental Chemistry & Toxicology
4	Emerging Trends in Pharmaceutical Analysis
5	Evidence based Medicines and Guidelines for Pharmacist

T. Caretyvel

PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

Vijayapuri Colony, S.Lalaguda, Tarnaka Sacundarabad-500 017.



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Value Added Course on "Smart and Responsive Drug Delivery Systems: The Future of Personalized Medicine"

Course Assessment

Time: 10 mins Marks: 10

Please tick the right answer:

- 1. A key advantage of smart and responsive drug delivery systems over conventional methods is:
- (a) Reduced dosage frequency
- (b) Lower production cost
- (c) Broader range of treatable diseases
- (d) Enhanced patient compliance
- 2. Which of the following materials is commonly used in the fabrication of stimuliresponsive drug carriers?
- (a) Stainless steel
- (b) Polyvinyl chloride
- (c) Polymeric hydrogels
- (d) Glass
- 3. The concept of personalized medicine in drug delivery involves:
- (a) Tailoring treatment to individual patient characteristics
- (b) Utilizing a one-size-fits-all approach
- (c) Focusing on preventative measures
- (d) Administering medication through intravenous routes
- 4. A potential challenge associated with smart drug delivery systems is:
- (a) High efficacy and bioavailability
- (b) Complex design and manufacturing processes
- (c) Lack of long-term stability
- (d) Rapid drug release kinetics

PRINCIPAL Sarojini Naidu Vanita Pharmacy Maha Vidyalaya Vijayapuri Colony, S.Lalaguda, Tarnaka Secunderabad-500 017.

T. Carityoch



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

5. Which of the following external stimuli can trigger the release of drugs from smart carriers?

- (a) Changes in temperature
- (b) Variations in pH
- (c) Ultrasound waves
- (d) All of the above

6. Implantable microfluidic devices used in drug delivery systems offer the advantage of:

- (a) Continuous and controlled drug administration
- (b) Non-invasive monitoring of therapeutic effects
- (c) Reduced systemic side effects
- (d) All of the above

7. The integration of nanotechnology in smart drug delivery systems holds promise for:

- (a) Targeting specific cells and tissues
- (b) Enhanced drug penetration across biological barriers
- (c) Improved drug solubility and stability
- (d) All of the above

8. One of the ethical considerations surrounding personalized medicine in drug delivery is:

- (a) Increased accessibility and affordability
- (b) Potential for discrimination based on genetic data
- (c) Lack of standardized treatment protocols
- (d) Overreliance on technological solutions

9. The future of smart and responsive drug delivery systems likely involves:

- (a) Development of closed-loop feedback systems for real-time monitoring
- (b) Integration with artificial intelligence for personalized treatment optimization
- (c) Fabrication of biocompatible and biodegradable drug carriers
- (d) All of the above

10. Your understanding of the potential benefits and challenges of smart and responsive drug delivery systems can contribute to:

- (a) Improved patient outcomes and healthcare efficiency
- (b) Advancement of pharmaceutical research and development
- (c) Personalized treatment options for a wider range of diseases
- (d) All of the above

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya Vijayapuri Colony, S.Lalaguda, Tarnaka Secunderabad-500 017.

T. Carityoch



(Sponsored by the Exhibition Society), Tarnaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Feel free to adapt these questions based on the specific focus and content of your Value- Added course.

Answers for the multiple choice questions

Question	1	2	3	4	5	6	7	8	9	10
Answer	a	С	a	b	d	a	d	b	d	d





(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course



T. Coretypesh PRINCIPAL Sarolini Naidu Vanita Pharmacy Maha Vidyalaya



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Value added course on "Importance of Nutraceuticals and Functional Foods for a Healthy Life"

Course Assessment

Time: 10 min Marks: 10

1. Which of the following statements is true regarding the consumption of nutraceuticals and functional foods?

- a) They are a substitute for medical treatments prescribed by doctors.
- b) They can be consumed without any consideration for one's existing diet or lifestyle.
- c) They are intended to complement a balanced diet and healthy lifestyle.
- d) They are only beneficial for individuals with specific medical conditions.

2. Which of the following nutrients is commonly found in nutraceuticals and functional foods due to its potential health benefits?

- a) Sodium
- b) Trans fats
- c) Omega-3 fatty acids
- d) High-fructose corn syrup

3. How do nutraceuticals and functional foods differ from conventional pharmaceutical drugs?

- a) They require a prescription from a licensed physician.
- b) They often have fewer side effects and are derived from natural sources.
- c) They are regulated more strictly by governmental health agencies.
- d) They are typically more expensive than pharmaceutical drugs.

4. Which of the following is an example of a functional food that has been associated with improving digestive health?

- a) Green tea
- b) Probiotic yogurt
- c) Fried chicken
- d) Chocolate chip cookies

5. What is one potential drawback of relying solely on nutraceuticals and functional foods for health benefits?

- a) They are readily available and inexpensive.
- b) They may lack scientific evidence to support their claimed health benefits.
- c) They can replace the need for regular physical activity.
- d) They are usually high in added sugars and unhealthy fats.



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

6. Which of the following best describes nutraceuticals?

- a) Foods that are genetically modified for enhanced nutritional value
- b) Pharmaceuticals derived from natural food sources
- c) Foods that provide both nutritional and medicinal benefits
- d) Foods fortified with artificial additives for taste enhancement

7. What distinguishes functional foods from regular foods?

- a) Functional foods are always organic.
- b) Functional foods contain added synthetic chemicals.
- c) Functional foods provide specific health benefits beyond basic nutrition.
- d) Functional foods are always more expensive than regular foods.

8. How do nutraceuticals contribute to a healthy lifestyle?

- a) By providing essential nutrients for growth and development
- b) By preventing and managing chronic diseases
- c) By promoting rapid weight loss
- d) By enhancing the taste of food

9. Which of the following is an example of a functional food?

- a) Plain white rice
- b) Blueberries, known for their high antioxidant content
- c) Sugary carbonated drinks
- d) Deep-fried potato chips

10. Nutraceuticals and functional foods are primarily consumed for:

- a) Providing energy
- b) Enhancing physical appearance
- c) Improving overall health and wellness
- d) Indulging in taste sensations

Feel free to adapt these questions based on the specific focus and content of your Value- added course.

Answers:

1	2	3	4	5	6	7	8	9	10
С	c	b	b	b	a	a	b	b	С



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course



(Sponsored by the Exhibition Society), Tarnaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI (ISO 9001: 2015 Certified Institution) **NBA** Accredited B. Pharmacy Course





ERTIFICATE

OF COMPLETION

This is presented to Sunkara Nikitha

for successful completion of VALUE ADDED COURSE on

"IMPORTANCE OF NUTRACEUTICALS AND FUNCTIONAL FOODS FOR A HEALTHY LIFE"

Held from 3rd September to 23rd September, 2019



Principal



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by the Exhibition Society), Tarnaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI (ISO 9001: 2015 Certified Institution)







ERTIFICAT

OF COMPLETION

This is presented to _____

Chiluka Thonsi Reddy

for successful completion of VALUE ADDED COURSE on

"IMPORTANCE OF NUTRACEUTICALS AND FUNCTIONAL FOODS FOR A HEALTHY LIFE"

Held from 3rd September to 23rd September, 2019

Dr. Vemuri Jyothi

Principal



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Certificate Course on "QSAR in Environmental Chemistry and Toxicology" Course Assessment

Time: 10 mins Marks: 10

Please tick the right answer:

Quiz Questions

1). What does QSAR stand for in the context of environmental chemistry and toxicology?

- a) Quality Standard and Assessment Review
- b) Quantitative Structure-Activity Relationship
- c) Quick Survey of Aquatic Resources
- d) Quantitative Study of Atomic Reactions

2). Which of the following is a primary goal of QSAR modeling?

- a) To predict the biological activity or chemical properties of compounds based on their chemical structure.
- b) To determine the exact chemical composition of a substance.
- c) To analyze the qualitative data of chemical reactions.
- d) To study the history of chemical compounds.

3). What are 'descriptors' in QSAR analysis?

- a) Laboratory equipment used in chemical analysis.
- b) Mathematical representations of molecular properties that affect biological activity.
- c) Legal documents describing chemical safety guidelines.
- d) Databases of chemical compound structures.



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

4).In QSAR, what is meant by the term 'activity'?

- a) The energy level of a chemical reaction.
- b) A measure of a compound's effect (e.g., biological or environmental).
- c) The concentration of a chemical in a given area.
- d) The physical state of a chemical compound.

5). Which type of QSAR model uses three-dimensional information about molecular structures?

- a) 1D-QSAR
- b) 2D-QSAR
- c) 3D-QSAR
- d) 4D-QSAR

6). What role does statistical analysis play in QSAR modeling?

- a) To design the laboratory experiments for chemical synthesis.
- b) To analyze and interpret the relationship between descriptors and activity.
- c) To determine the pricing of pharmaceutical products.
- d) To assess the environmental impact of chemical waste.

7). Which of the following is a common application of QSAR in environmental toxicology?

- a) Predicting the toxicity of new chemical compounds.
- b) Calculating the market value of pharmaceuticals.
- c) Determining the color of a chemical compound.
- d) Measuring the temperature at which a chemical reacts.

8). How can QSAR models contribute to the field of drug design?

- a) By predicting the potential environmental impact of new drugs.
- b) By aiding in the prediction of side effects and toxicity of new drugs.
- c) By determining the branding strategy for new drugs.
- d) By predicting the exact molecular weight of new drugs.



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

9). What is the importance of the 'validation' step in QSAR modeling?

- a) To ensure the accuracy and predictability of the QSAR model.
- b) To confirm the chemical formula of the compounds being studied.
- c) To validate the laboratory equipment used in experiments.
- d) To approve the sale of pharmaceutical products.

10)In QSAR, 'hydrophobicity' is often an important descriptor. What does it refer to?

- a) The compound's ability to dissolve in water.
- b) The compound's ability to react with oxygen.
- c) The electrical charge of a compound.
- d) The compound's odor or scent.

Answers:

- 1 b) Quantitative Structure-Activity Relationship
- 2 a) To predict the biological activity or chemical properties of compounds based on their chemical structure.
- 3 b) Mathematical representations of molecular properties that affect biological activity.
- 4 b) A measure of a compound's effect (e.g., biological or environmental).
- 5 c) 3D-QSAR
- 6 b) To analyze and interpret the relationship between descriptors and activity.
- 7 a) Predicting the toxicity of new chemical compounds.
- 8 b) By aiding in the prediction of side effects and toxicity of new drugs.
- 9 a) To ensure the accuracy and predictability of the QSAR model.
- 10 a) The compound's ability to dissolve in water.

Sarojini Naidu Vanita Pharmacy Maha Vidyalaya

T. Sanityosh

Vijayapuri Colony, S.Lalaguda, Tarnaka Secunderabad-500 017.



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course



(Sponsored by the Exhibition Society), Tarnaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI (ISO 9001: 2015 Certified Institution)



NBA Accredited B. Pharmacy Course



CERTIFICATE

OF COMPLETION

This is presented to Nomula Kavalli

for successful completion of VALUE ADDED COURSE on

"QSAR IN ENVIRONMENTAL CHEMISTRY & TOXICOLOGY"

Held from 3rd February to 15th February, 2020

Dr. Vemuri Jyothi
Principal



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

(Sponsored by the Exhibition Society), Tarnaka,
Secunderabad Affiliated to Osmania University, Approved
by AICTE & PCI (ISO 9001: 2015 Certified Institution)
NBA Accredited B. Pharmacy Course





CERTIFICATE

OF COMPLETION

This is presented to _____ chitle Meghana.

for successful completion of VALUE ADDED COURSE on

"QSAR IN ENVIRONMENTAL CHEMISTRY &

TOXICOLOGY"

Held from 3rd February to 15th February, 2020

Dr. Vemuri Jyothi Principal

T. Sovetyoch



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Value Added Course on "Emerging trends in Pharmaceutical analysis" Course Assessment

Time: 10 mins Marks: 10

Please tick the right answer:

1. What is the primary goal of miniaturization and automation in pharmaceutical analysis?

- A. To increase the size of analytical instruments
- B. To reduce the efficiency of analytical processes
- C. To enhance the speed and efficiency of analytical processes
- D. To complicate the analytical workflow

2. Which analytical technique is commonly integrated with miniaturization and automation in pharmaceutical analysis?

- A. Manual titration
- B. High-Performance Liquid Chromatography (HPLC)
- C. Conventional microscopy
- D. Manual sample preparation

3. How does High-Throughput screening contribute to drug discovery efficiency?

- A. By reducing the number of compounds screened
- B. By increasing the time required for compound evaluation
- C. By allowing simultaneous testing of numerous compounds
- D. By limiting the diversity of chemical libraries

4. Why is precision crucial in pharmaceutical analysis using Mass Spectrometry?

- A. To introduce variability in measurements
- B. To complicate the identification process
- C. To improve the accuracy of quantification and ensure reliable results
- D. To limit the sensitivity of the analytical method

5. Why is the determination of drugs and biological molecules in biological samples essential in bioanalytical chemistry?

- A. To introduce variability in results
- B. To limit the application of analytical techniques
- C. To study the effects of drugs on geological samples
- D. To understand pharmacokinetics, pharmacodynamics, and biomarker analysis in the human body

6. Which of the following is a key application of omics technologies in drug research?

- A. Increasing ambiguity in data interpretation
- B. Reducing the need for high-throughput screening
- C. Profiling changes in the entire set of relevant molecules in response to drug exposure
- D. Minimizing the role of computational analysis in pharmacogenomics



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

7. What is the primary goal of microbiology analysis in pharmaceuticals?

- A. To increase microbial contamination
- B. To ignore quality control measures
- C. To ensure the safety and quality of pharmaceutical products
- D. To limit the scope of quality assurance practices

8. Why is the analysis of natural products crucial in drug discovery?

- A. To limit the diversity of chemical structures
- B. To increase the cost of drug development
- C. To understand the therapeutic potential of compounds from natural sources
- D. To discourage the exploration of traditional medicine

9. Why is the exploration of natural products essential in drug discovery and development?

- A. To discourage the use of traditional medicinal practices
- B. To limit the variety of chemical structures for drug development
- C. To identify novel bioactive compounds with therapeutic potential
- D. To decrease the reliance on modern pharmaceutical approaches

10. How do analytical techniques contribute to forensic pharmaceutical investigations?

- A. By increasing the complexity of crime scene analysis
- B. By limiting the role of chemistry in investigations
- C. By providing scientific evidence and insights into pharmaceutical-related crimes
- D. By ignoring the importance of analytical methods

Feel free to adapt these questions based on the specific focus and content of your certificate course.

Answers for multiple choice questions:

Question	1	2	3	4	5	6	7	8	9	10
Answer	С	В	С	С	D	С	С	С	С	С



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

SPONSORED BY EXHIBITION SOCIETY , AFFLIATED TO OSMANIA UNIVERSITY APPROVED BY AICTE & PCT ISO 9001:2015 CREDITED INSTITUTION, NBA ACCREDITED B, PHARMACY COURSE



CERTIFICATE

Of Completition

This certificate is presented to



Siddam Pniyanko

for successful completion of VALUE ADDED COURSE on "EMERGING TRENDS IN PHARMACEUTICAL ANALYSIS"
Held from 16.03.2020 to 30.03.2020

Dr.

Dr. Vemuri Jyothi PRINCIPAL



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

SPONSORED BY EXHIBITION SOCIETY .AFFLIATED TO OSMANIA UNIVERSITY.

APPROVED BY AICTE & PCI ISO 9001:2015 CREDITED INSTITUTION. NBA

ACCREDITED B. PHARMACY COURSE



CERTIFICATE

Of Completition

This certificate is presented to



Afshan Jabeen

for successful completion of VALUE ADDED COURSE on "EMERGING TRENDS IN PHARMACEUTICAL ANALYSIS" Held from 16.03.2020 to 30.03.2020

Dr. Vemuri Jyothi PRINCIPAL

T. Carityoch



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

Value Added Course on "Evidence based Medicines and Guidelines for Pharmacist" <u>Course Assessment</u>

Time: 10 mins

Marks: 10

Please tick the right answer:

1) What is the primary objective of Evidence-Based Medicine (EBM)?

- a. To rely solely on clinical experience
- b. To base medical decisions on the best available evidence
- c. To prioritize traditional practices over scientific evidence
- d. To ignore research findings in clinical practice

2) Which of the following is a key component of understanding research methodologies?

- a. Memorization of study results
- b. Recognizing the importance of biases
- c. Ignoring the study design
- d. Avoiding critical appraisal

3) What is an essential skill in conducting effective literature searches?

- a. Limiting searches to a single database
- b. Relying solely on textbooks
- c. Utilizing online databases and resources
- d. Avoiding hands-on practice in literature searches

4) Why is critical appraisal of research articles important?

- a. To memorize study findings
- b. To evaluate study validity and identify biases
- c. To skip the review process
- d. To prioritize personal opinions over evidence

5) What was the main focus of the guest lecture on the application of EBM in pharmacy practice?

- a. Ignoring evidence-based practices
- b. Highlighting recent trends in pharmacy
- c. Providing real-world examples of EBM implementation
- d. Promoting traditional pharmacy practices

6) How can EBM be integrated into pharmacy practice?

- a. By avoiding critical thinking
- b. By solely relying on clinical experience
- c. By applying evidence-based guidelines
- d. By disregarding research findings

7) What was the purpose of the group project in the workshop?

- a. To avoid teamwork and collaboration
- b. To develop project management skills
- c. To discourage practical application of learned concepts
- d. To exclude hands-on experience

T. Carityoch



(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course

8) Why is effective presentation important in pharmacy practice?

- a. To confuse the audience
- b. To communicate complex information clearly
- c. To ignore project findings
- d. To avoid peer evaluation

9) What are clinical practice guidelines?

- a. Outdated medical practices
- b. Evidence-based recommendations for clinical practice
- c. Irrelevant to pharmacy practice
- d. Solely based on personal opinions

10) Why is staying informed about current trends in Evidence-Based Pharmacy crucial?

- a. To discourage innovation
- b. To avoid challenges in the field
- c. To stay abreast of emerging practices and technologies
- d. To exclude recent developments

Feel free to adapt these questions based on the specific focus and content of your Value-Added course.

Answers for the multiple choice questions

Question	1	2	3	4	5	6	7	8	9	10
Answer	b	b	С	b	С	С	b	b	b	c

T. Coveryosh

PRINCIPAL

Sarojini Naidu Vanita Pharmacy Maha Vidyalayi

Vijayapuri Colony, S.Lalaguda, Tarnaka Secunderabad-500 017.

(Sponsored by the Exhibition Society), Tamaka, Secunderabad Affiliated to Osmania University, Approved by AICTE & PCI ISO 9001: 2015 Certified Institution, NBA Accredited B. Pharmacy Course



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAYA

SPONSORED BY EXHIBITION SOCIETY .AFFLIATED TO OSMANIA UNIVERSITY APPROVED BY AICTE & PCI ISO 9001:2015 CREDITED INSTITUTION, NBA ACCREDITED B. PHARMACY COURSE



CERTIFICATE

Of Completition

This certificate is presented to



G. Ramya Svi

for successful completion of VALUE ADDED COURSE on "EVIDENCE BASED MEDICINES AND GUIDELINES FOR PHARMACIST"

Held from 02.04.2020 to 17.04.2020

Dr. Vemuri

Dr. Vemuri Jyothi
PRINCIPAL



SAROJINI NAIDU VANITA PHARMACY MAHA VIDYALAY

SPONSORED BY EXHIBITION SOCIETY ,AFFLIATED TO OSMANIA UNIVERSITY APPROVED BY AICTE & PCT ISO 9001:2015 CREDITED INSTITUTION, NBA ACCREDITED B, PHARMACY COURSE



CERTIFICATE

Of Completition

This certificate is presented to



Sorah Eliza

for successful completion of VALUE ADDED COURSE on "EVIDENCE BASED MEDICINES AND GUIDELINES FOR PHARMACIST"

Held from 02.04.2020 to 17.04.2020

Dr. Vemuri Jyothi PRINCIPAL

T. Carityoch