

## **MATHEMATICS**

### **QUEST-2024 TOPICS**

1. Impact of Aryabhata (Zero) in mathematics
2. Algorithms used in operating system.
3. Camera Angles and Dimensions on movie making
4. Instruments in internal Designs
5. Pyramid Geometry
6. Importance of mathematics in competitive Examinations
7. Mathematical Applications in Burj Khalifa
8. Importance of Vedic mathematics in modern times
9. Mathematical equations used in Aeronautics

## **APPLIED NUTRICIAN QUEST QUESTIONS-2024**

- 1.Role of polyphenols in chronic diseases
2. Maternal nutrition and infant growth
- 3.Nutrients role in mental health and mood disorders
- 4.Relationship between diet and diseases.
- 5.Nutrition and cancer prevention.
- 6.Nutri-Genomics.
- 7.Benefits and risks of gluten - free diet
- 8.Microplastics and our health.

# QUEST SEMINAR TOPICS FOR B.COM& BBA

1. New Education Policy 2024.
2. Economical Growth of Indian Economy (being 3<sup>rd</sup> largest economy in the world)
3. Modern Era of Banking 2020 [Digitization of Banking ]
4. The Career as Freelancer
5. Importance of Tourism in Indian economy
6. Save Water –Save Life –(sustainable development).
7. Green House effect
8. Impact of 5g Technology
9. Waste Management
10. Advantages & Disadvantages of social media.
- 11 Effect of artificial Intelligence (AI) on employment opportunities.
12. Role of insurance business in Indian Economy.
13. Kinds of Company
14. Promotion of a Company
- 15.14 Principles of management
16. Functions of Management.
17. Impact of accounting software in new business.
18. Price Elasticity of Demand and its types.
19. Income Elasticity of Demand and its types.
20. Price Elasticity of Supply and its types.
21. Classification of Business Activities.
22. Importance of Digital currency in modern business.
23. Online services provided by Commercial Banks in India.
24. Career options in Corporate sector for Commerce Student.
25. Scalar chain in a Company ( With a reference).



## **BOTANY QUEST TOPICS**

1. Resistance breeding against viral pathogens
2. Sustainable harvesting practice of medicinal plants
3. Plant-pathogen interactions
4. Phytohormones – their role in plants .
5. Adaptations by hydrophytes
6. Conservation of Biodiversity
7. Agro biodiversity.
8. Global warming –and its effects.
9. plant successions-hydro sere & Xerosere
10. Timber plants
11. Golden Rice
12. Vegetative propagation-layering, grafting and cutting.
13. Enhancing food supply through genetic Engineering
14. Effect of UV light on plant development

## **CHEMISTRY QUEST CHEMISTRY**

1. What is the use of uranium-235 on electricity generation.?
2. What are the latest discoveries in chemistry.?
3. What are the best career options in chemistry. ?
4. Discuss industrial wastes, its causes & management. ?
5. Discuss the application of combinationatorial chemistry.?
6. What is food adulteration & its detection.?
7. How do pesticides effect the quality of food.?  
And discuss the alternatives on to pesticides.
8. How drugs & alcohol affect human physical health.?
9. What are the precautions need to be taken in chemistry laboratory.?
10. How does carbonated drinks affect the human health.?

## **DEPARTMENT OF COMPUTERS QUEST – 2024**

1. IMPACT OF CHAT GPT ON CREATIVITY
2. DATA VISUALIZATION (AIMS AND EFFECTIVENESS)
3. CYBER SECURITY (NEW CHALLENGES)
4. QUANTUM COMPUTING
5. SIXTH SENSE TECHNOLOGY
6. GOOGLE SENCE (FUTURE OF COMPUTERS)
7. REAL TIME COMPUTER SECURITIES
8. BIG DATA ANALYTICIS
9. IMPACT OF 5G ON IOT
10. LATEST TRENDS IN COMPUTER SCIENCE

## **MICRO BIOLOGY QUEST TOPIC**

1. Different types of staining ?
2. Different types of microscopes ?
3. Pure cultures & techniques ?
4. Microbial Interactions ?
5. Food safety issues ?
6. Food Preservations ?
7. Fermented foods ?
8. Gene Transfers Methods
  - i. Transformation
  - ii. Transduction
  - iii. Conjugation
9. Physical ,chemical , Biological mutagens
10. Application R-DNA Technology



## **PHYSICS QUEST TOPICS**

1. Physics in our dairy life
2. Greatest physicists and their contribution.
3. Thermodynamics in every life.
4. Electromagnetism and its application in dairy life.
5. Physics of touch screens technology
6. Artificial intelligence (AI) in our everyday life.
7. Physics behind the climate change.
8. Working of motor & Generators.
9. Kinematics in our daily lives.
10. Physics of rolls coasters, physics behind musical instruments
11. Possibility of life on marks
12. 3D Printing.
13. Types of gear & Working.
14. Three phase circuit.

## STATISTICS QUEST QUESTIONS

1. What is the purpose of regression analysis in statistics.
2. What is the difference between descriptive and inferential statistics.?
3. What is the difference between population and sample in statistics.
4. What is the purpose of hypothesis testing in statistics ?
5. How does correlation differ from causation.
6. What is the purpose of principal component analysis (PCA) in statistics.
7. What is the purpose of time series analysis in statistics?
8. How does clustering differ from classification in statistics?
9. How does a confidence interval differ from a prediction interval?
10. What is the difference between type I and type II Errors in hypothesis testing.

## **ZOOLOGY QUEST**

1. Gene Manipulation – Human welfare
2. Treatment of chronic Diseases by stem cell technology.
3. Reasons – Insects turning into pest.
4. Echolocation of bats.
5. Tumor Immunology.
6. Antarctica Expedition.