

**(Abstract)**

B.B.A Aviation and Airport Management Programme under Choice Based Credit Semester System (in Outcome Based Education) in Affiliated colleges- IV<sup>th</sup> & V<sup>th</sup> semester Model Question papers - Approved & Implemented w.e.f. 2023 admissions - Orders issued.

**ACADEMIC C SECTION**

ACAD C/ACAD C4/10825/2023

Dated: 26.03.2025

- Read:-1. U.O No. ACAD C/ACAD C4/10825/2023 dtd. 03.02.2024.  
2. U.O. Note No. EX C1-V/3386/2024 dtd.16.01.2025.  
3. E-mails of the Chairperson, Board of Studies in Travel and Tourism dated 14.02.2025 & 20.02.2025  
4. The Minutes of the Meeting of the Standing Committee of Academic Council, held on 05.03.2025  
5. The Orders of the Vice Chancellor in file of even No.dtd.26.3.2025

**ORDER**

1. The Scheme, Syllabus, and Model question papers of B.B.A Aviation and Airport Management programme under Choice Based Credit and Semester System ( in Outcome Based Education) in Affiliated Colleges was approved and implemented w.e.f 2023 admission vide paper read (1) above.
2. Further, the Examination Branch vide paper read 2 requested to furnish the model question paper from IV semester onwards as the approved syllabus does not contain the same.
3. Subsequently, the Chairperson of the Board of Studies in Travel and Tourism (Cd) vide paper read (3) above, submitted the Model Question Papers of the IV<sup>th</sup> & V<sup>th</sup> semester B.B.A Aviation and Airport Management programme , for approval.
4. Considering the matter, the Vice Chancellor ordered to place the Model question papers of B.B.A Aviation and Airport Management programme before the Standing Committee of Academic Council for consideration
5. The Standing Committee of the Academic Council held on 05.03.2025 vide paper read (4), recommended to approve the Model question papers of IV<sup>th</sup> & V<sup>th</sup> Semester B.B.A Aviation and Airport Management programme.
6. The Vice Chancellor, after considering the recommendation of the Standing Committee of Academic Council and in exercising the powers of the Academic Council conferred under the Section 11 (1) chapter III of Kannur University Act 1996, **approved the Model Question Papers of IV<sup>th</sup> & V<sup>th</sup> Semester B.B.A Aviation and Airport Management programme under Choice Based Credit and Semester System ( in Outcome Based Education) and accorded sanction to implement the same in Affiliated Colleges of the University w.e.f.2023 admission, subject to report to the Academic Council.**
7. The Model Question Papers of the IV<sup>th</sup> & V<sup>th</sup> semester B.B.A Aviation and Airport Management programme w.e.f 2023 admission is appended with this U.O. and uploaded in the University website.

Orders are issued accordingly.

Sd/-  
**Bindu K P G**  
**DEPUTY REGISTRAR (ACADEMIC)**  
For REGISTRAR

- To:
1. The Controller of Examinations( through the PA )
  2. The Principals of Affiliated Colleges offering the Programme
  3. The Chairperson, Board of Studies in Travel and Tourism (Cd)

- Copy To: 1. PS to VC / PA to PVC / PA to R/PA to FO/PA to CE (to circulate among the section concerned)  
2. DR / AR (Acad) / AR I, II Exam/JR II Exam  
3. EX C1 Section.  
4. Computer Programmer  
5. Web Manager (for uploading on the website)  
6. SF/DF/FC



Forwarded / By Order  
*[Signature]*  
SECTION OFFICER

*[Signature]*

# **KANNUR UNIVERSITY**

## **IV SEMESTER BBA (AAM) DEGREE PROGRAMME**

### **CORE COURSE VII**

#### **AVIATION SAFETY & AIRPORT SECURITY MANAGEMENT**

**Time: 3Hrs**

**Maximum marks: 40**

#### **Section A**

**Answer all the following questions. Each question carries 1 Mark.**

1. Define aviation security.
2. What is the importance of safety reporting systems?
3. Expand IASA.
4. What is the role of perimeter security in an airport?
5. What does the term "Sky Marshal Program" mean?
6. Name two screening technologies used in airports.

**(6x1= 6 Marks)**

#### **Section B**

**Answer any 6 of the following questions. Each question carries 2 marks.**

7. Differentiate between aviation safety and security.
8. What is a Safety Management System (SMS)?
9. Explain the role of emergency response planning in aviation.
10. What are the layers of airport security?
11. What is the significance of biometric identification in aviation security?
12. Explain behavioral analysis and profiling in airport security.
13. Discuss the role of BCAS in Indian aviation security.
14. Explain microwave holographic imaging in aviation security. **(6x2=12 Marks)**

### **Section C**

**Answer any 4 of the following questions. Each question carries 3 Marks.**

15. What is the International Aviation Safety Assessment (IASA) Program?
16. Discuss the Tokyo Convention and its impact on aviation security.
17. Describe the concept of cockpit security measures.
18. What is the Global Aviation Safety Plan (GASP)?
19. Discuss how artificial intelligence is used in aviation security.
20. What is the Air Transportation Security Act of 2001?

(4x3=12 Marks)

### **Section D**

**Answer any two of the following questions. Each question carries 5 marks**

21. Discuss the impact of technological evolution on aviation security.
22. Explain the importance of compliance and enforcement mechanisms in aviation security.
23. Describe various legislative measures taken after 9/11 to improve aviation security.
24. What are the challenges in counterterrorism efforts in aviation security?

(2x5=10 Marks)

**KANNUR UNIVERSITY**  
**IV SEMESTER BBA (AAM) DEGREE PROGRAMME**  
**CORE COURSE VIII**  
**AIRLINE FINANCE & INSURANCE**

**Time: 3Hrs**

**Maximum marks: 40**

**Section A**

**Answer all the following questions. Each question carries 1 Mark.**

1. What is airline finance?
2. Expand ICAO.
3. What is the need for financial analysis in airlines?
4. Define liquidity ratio.
5. What does asset utilization mean in the airline industry?
6. What is securitization of aircraft? (6x1= 6 Marks)

**Section B**

**Answer any 6 of the following questions. Each question carries 2 marks.**

7. What are the key financial issues in the airline industry?
8. Explain the importance of airline financial ratios.
9. Differentiate between tangible and intangible assets in airline valuation.
10. What is the purpose of a rating agency in airline finance?
11. Discuss the significance of term loan payments in airline finance.
12. Explain the concept of book profit in the airline industry.
13. What is the manufacturer's prepayment?
14. What are the different sources of external finance for airlines?

(6x2=12 Marks)

### **Section C**

**Answer any 4 of the following questions. Each question carries 3 Marks.**

15. Describe the differences between liability insurance and hull insurance.
16. Explain the concept of performance earnings ratio.
17. What are the different stock market ratios used in airline finance?
18. Differentiate between Wet Lease and Sale Lease in aircraft leasing.
19. What are the different types of aviation coverage available?
20. Discuss the importance of capital expenditure projections in airline finance.

(4x3=12 Marks)

### **Section D**

**Answer any two of the following questions. Each question carries 5 marks**

21. Explain the valuation of an airline.
22. Discuss inter-airline financial ratio comparisons with examples.
23. What are the major institutions involved in airline finance?
24. Describe the underwriting and pricing of aviation risk.

(2x5=10 Marks)

# **KANNUR UNIVERSITY**

## **IV SEMESTER BBA (AAM) DEGREE PROGRAMME**

### **ABILITY ENHANCEMENT II**

#### **ENVIRONMENTAL STUDIES AND DISASTER MANAGEMENT**

**Time: 3Hrs**

**Maximum marks: 40**

#### **Section A**

**Answer all the following questions. Each question carries 1 Mark.**

1. Identify any two air pollutants.
2. Expand EIA.
3. What is water harvesting?
4. Define acid rain.
5. What is ozone depletion?
6. What are natural disasters?(6x1= 6 Marks)

#### **Section B**

**Answer any 6 of the following questions. Each question carries 2 marks.**

7. Differentiate between environmental hazards and disasters.
8. What are the causes and effects of global warming?
9. Explain the significance of sewage treatment plants.
10. What is the role of industries in air pollution?
11. What are the environmental problems associated with natural resource exploitation?
12. Explain any two environmental movements in India.
13. What is the importance of environmental ethics?
14. Discuss the role of consumerism in environmental pollution.(6x2=12 Marks)

### **Section C**

**Answer any 4 of the following questions. Each question carries 3 Marks.**

15. Explain the phases of disaster management.
16. What are the key compliance measures for start-up manufacturing enterprises related to environmental protection?
17. Discuss the role of the media in disaster management.
18. What are the effects of soil erosion on the environment?
19. Explain the importance of water conservation.
20. What are the various types of pollution and their impact on businesses?(4x3=12 Marks)

### **Section D**

**Answer any two of the following questions. Each question carries 5 marks**

21. Write a short note on major environmental legislation and its impact on industries.
22. Discuss the significance of environmental impact assessment with examples.
23. Explain the different types of environmental hazards.
24. Discuss a case study on disaster management in India. (2x5=10 Marks)

**KANNUR UNIVERSITY**  
**IV SEMESTER BBA (AAM) DEGREE PROGRAMME**  
**CORE COURSE VI**  
**HUMAN RESOURCE MANAGEMENT**

**Time: 3Hrs**

**Maximum marks: 40**

**Section A**

**Answer all the following questions. Each question carries 1 Mark.**

1. What is job enlargement?
2. Expand HRM.
3. What are the primary objectives of HRM?
4. Define job analysis.
5. What is job specification?
6. What is employee discipline? (6x1= 6 Marks)

**Section B**

**Answer any 6 of the following questions. Each question carries 2 marks.**

7. Explain the importance of HR planning.
8. What are the methods of job evaluation?
9. What is the difference between recruitment and selection?
10. Discuss the need for training in an organization.
11. What are the different methods of performance appraisal?
12. Explain two sources of recruitment.
13. What are the benefits of employee training?
14. Explain different types of promotions.(6x2=12 Marks)

### **Section C**

**Answer any 4 of the following questions. Each question carries 3 Marks.**

15. What are the different wage systems?
16. What are the duties and responsibilities of an HR Manager?
17. Describe the steps in the selection process.
18. What are the factors influencing wage systems?
19. Discuss the importance of grievance redressal.
20. Explain methods to control absenteeism.(4x3=12 Marks)

### **Section D**

**Answer any two of the following questions. Each question carries 5 marks**

21. Discuss the role of HRM in modern business organizations.
22. Explain the different types of incentives with examples.
23. Describe the significance of performance appraisal in an organization.
24. Explain the process of job analysis with suitable examples. (2x5=10 Marks)

**KANNUR UNIVERSITY**  
**IV SEMESTER BBA (AAM) DEGREE PROGRAMME**  
**SKILL ENHANCEMENT COURSE II:**  
**FUNDAMENTALS OF IT TOOLS FOR BUSINESS**

**Time: 2Hrs**

**Maximum marks: 20**

**Section A**

Answer **all** the following questions. Each question carries 1 Mark.

1. What is an operating system?
2. Expand WORMS.
3. What is a firewall?
4. Define phishing.
5. What is URL?
6. Name any two search engines.(6x1= 6 Marks)

**Section B**

Answer **any 4** of the following questions. Each question carries 2 marks.

7. What are the different types of computer memory?
8. Explain the functions of an operating system.
9. What is an IP address?
10. Explain the role of DNS in networking.
11. What are the advantages of using cloud computing?
12. Explain the different types of network topology.(4x2=8 Marks)

**Section C**

Answer **any ONE** of the following questions. Each question carries 6marks

13. What are the different types of data transmission methods? Explain their working concepts.
14. Describe various types of cybercrimes with examples. (1x6=6Marks)

**V SEMESTER BBA (AAM) DEGREE PROGRAMME  
CORE COURSE XIV  
AVIATION LAW & REGULATIONS**

**Time: 3Hrs**

**Maximum marks: 40**

**Section A**

Answer *all* the following questions. Each question carries 1 Mark.

1. Expand AERA.
2. What is the purpose of the Aircraft Act, 1934?
3. Define airworthiness.
4. What do aerodrome standards refer to?
5. What is the purpose of the Tokyo Convention Act?
6. What is Carriage by Air Act, 1972

(6x1= 6 Marks)

**Section B**

Answer *any 6* of the following questions. Each question carries 2 marks.

7. What is the CAR for airport operations?
8. Explain the role of BCAS in aviation security.
9. Explain the procedures for Air Navigation Services (PANS).
10. Write a brief note on Aerodrome standards and Air Traffic Services.
11. Discuss ICAO's safety oversight framework.
12. Discuss the role of ICAO in international civil aviation.
13. Write a note on the Air Services Transit Agreement, 1944.
14. What are the different stock market factors affecting airline valuation? (6x2=12 Marks)

**Section C**

Answer *any 4* of the following questions. Each question carries 3 Marks.

1. Examine the ICAO annex related to environmental protection.
2. Explain the purpose and significance of the Anti-Hijacking Act, 1982.
3. What are the key international conventions related to civil aviation?
4. Differentiate between Air Safety and Airworthiness as per CAR.
5. What are the major elements of the Global Air Navigation Plan (GANP)?
6. What are the different ICAO documents and their significance? (4x3=12 Marks)

**Section D**

Answer *any two* of the following questions. Each question carries 5 marks

21. Discuss Civil Aviation Requirements (CAR) for Flight Crew Standards, Training, and Licensing.

22. What are the major ICAO annexures related to environmental protection and air navigation?
23. Describe the key functions of the AAIB in aviation safety investigations.
24. Explain the functions and structure of DGCA as a regulatory authority. (2x5=10 Marks)

**V SEMESTER BBA (AAM) DEGREE PROGRAMME  
CORE COURSE XII  
LOGISTICS AND AIR CARGO MANAGEMENT**

**Time: 3Hrs**

**Maximum marks: 40**

**Section A**

Answer *all* the following questions. Each question carries 1 Mark.

1. What is air cargo management?
2. Expand AWB.
3. What is TACT Technology in air cargo management?
4. What is express cargo?
5. What does POD stand for in air cargo handling?
6. What is cargo capacity management? (6x1= 6 Marks)

**Section B**

Answer *any 6* of the following questions. Each question carries 2 marks.

7. What are the key elements of supply chain management?
8. Explain the importance of routing and scheduling in logistics.
9. Differentiate between road and rail transportation.
10. What is the purpose of warehouse management systems (WMS)?
11. Discuss the significance of safety stock in inventory management.
12. Explain the concept of green logistics.
13. What is the role of technology in modern logistics?
14. What are the different modes of transportation in logistics? (6x2=12 Marks)

**Section C**

Answer *any 4* of the following questions. Each question carries 3 Marks.

15. What are the different environmental sustainability initiatives in air cargo?
16. Explain the concept of transportation management systems (TMS).
17. What are the different performance measurement criteria for carriers?
18. Explain the concept of dangerous goods regulations (DGR).
19. What are the different types of inventory control techniques?
20. Describe the differences between air and sea freight. (4x3=12 Marks)

**Section D**

Answer *any two* of the following questions. Each question carries 5 marks

21. Explain the historical development of the air cargo industry.
22. Discuss the impact of digitalization on air cargo management.
23. What are the significant challenges faced in air cargo security and safety?
24. Describe the importance of accurate documentation in air cargo operations. (2x5=10 Marks)

**V SEMESTER BBA (AAM) DEGREE PROGRAMME  
CORE COURSE XIII  
AIR TRAFFIC MANAGEMENT**

**Time: 3Hrs**

**Maximum marks: 40**

**Section A**

Answer *all* the following questions. Each question carries 1 Mark.

1. What is Air Traffic Management (ATM)?
2. Expand SSR and GNSS.
3. What is runway?
4. Which is the Air navigation service provider of India?
5. Expand PAPI.
6. What is the use of VHF Transmitter? (6x1= 6 Marks)

**Section B**

Answer *any 6* of the following questions. Each question carries 2 marks.

7. What are the basic principles of air traffic control services?
8. What are the key responsibilities of ANSPs?
9. Differentiate between primary and secondary RADAR operations.
10. What is the significance of ATCO licensing?
11. Discuss the role of METAR and TAF reports in aviation meteorology.
12. Explain the function of VOR and NDB in aviation navigation.
13. What is the role of NOTAMs in aviation operations?
14. What are the different types of aerodrome visual aids? (6x2=12 Marks)

**Section C**

Answer *any 4* of the following questions. Each question carries 3 Marks.

15. What are the different types of surveillance systems used in aviation?
16. What are the different approaches to lighting systems in an aerodrome?
17. Differentiate between FIR and non-radar control procedures.
18. What are the different weather instruments used in aviation meteorology?
19. Discuss the importance of obstacle restriction in aerodrome infrastructure.
20. What are the functions of an air traffic control tower? (4x3=12 Marks)

**Section D**

Answer *any two* of the following questions. Each question carries 5 marks

21. Explain the significance of communication and phraseology in ATC operations.
22. Discuss the impact of emerging trends in CNS on aviation safety.
23. What are the different types of navigation aids and their functions?
24. Describe the process of analyzing and interpreting weather charts in aviation meteorology. (2x5=10 Marks)