

B.Sc Aviation & Hospitality Management Programme (w.e.f 2015 admission)-under Choice Based Credit Semester System-Syllabus of the Sixth Semester Paper 6B12AH- Airline Industry- Modified/ Approved / Orders issued.

ACADEMIC BRANCH

No. Acad/C2/3210/2014

Dated, Civil Station P.O, 07-12-2018

ORDER

Read: 1).U.O No. Acad/C2 /3210/2014 dated 06.08.2015

2) U.O No.Acad C2/3210/2014 dated 05.03.2018

3) U.O Note No.EXC1/4/UG-CBCSS/BQPS/B.Sc Aviation & Hospitality
2015 Dated 07/06/2018

4) E-mail received from Dr. Deleep D,Chairman Board of Studies in Travel &
Tourism (cd). Dated 28.11.2018.

1. As per U.O read (1) above, the Scheme, Syllabus & Model question papers for Core, Complementary and Open courses of B.Sc. Aviation & Hospitality Programme under Choice Based Credit Semester System were implemented in the University w.e.f 2015 admission and certain modifications were made to the same vide paper read (2) above.

2. Meanwhile,the Examination Branch vide the paper read (3) above, expressed the difficulty in setting the Question paper for the Sixth Semester paper“6B12AH Airline Industry” of B.Sc. Aviation & Hospitality Programme w.e.f 2015 admission, due to insufficient module in the paper concerned

3. As certain anomalies were reported in the present Board of Studies in Travel & Tourism(cd),considering the urgency, as per the orders of the Registrar, the matter was referred to the present Chairman, Board of Studies in Travel & Tourism(cd) for his remarks

4. The Chairman after discussing with the other members of the Board forwarded the detailed modules for the paper“6B12AH Airline Industry” and requested to incorporate the

same in the Syllabus of B.Sc Aviation & Hospitality Management Programme. w.e.f 2015 admission.

5. The Vice Chancellor, after examining the matter in detail, and in exercise of the powers of the Academic Council as per section 11(1) of Kannur University Act 1996 and all other enabling provisions read together with, accorded sanction to modify the Syllabus of the B.Sc Aviation & Hospitality Management Programme, Implemented with effect from 2015 admission, by incorporating the modified modules of the Sixth Semester core course "6B12AH-Airline Industry" in the Syllabus w.e.f 2015 admission under Choice Based Credit Semester System, as recommended by the Chairman BOS, Travel & Tourism(cd) Subject to the reporting to the Academic Council.

6. U O read vide paper (1) and (2) above stands modified to this extent.

7. Modified page of the Syllabus, is appended herewith and uploaded in the website for reference.

Orders are therefore issued accordingly.

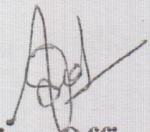
Sd/-

DEPUTY REGISTRAR (ACADEMIC)

FOR REGISTRAR



Approved for Issue


Section Officer

Copy to

1. PS to VC/PA to PVC/PA to Registrar
2. DR/AR I Academic
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6B12 AH (CORE) AIRLINE INDUSTRY
(VI SEM.BSc. Aviation & Hospitality)
Detailed syllabus

Module 1

Brief history of air transport and commercial airlines - Types of airlines-Major Airlines companies in India and world- Airline terminology: Two letter codes, code sharing, airline alliances - Types of Aircrafts in civil aviation: Important aircraft manufacturers - Classification of airports - parts of an airport - Air transport Agencies: Role and Functions of AAI, DGCA, IATA, ICAO

Module 2

Human resources in aviation: Flight crew and Ground Crew - Flight crew - Flight deck positions and cabin positions - activities of flight crew before during and after flight, attributes/skills required for cabin crew - pilot licensing system in India.

Functions of Ground staff: Flight dispatcher, flight technicians and engineers, Security Agents, Ramp agents, Equipment Operators, Customer Services Agent, Managers.

Functions of Immigration staff, Security staff, and customs officers

Module 3

Automation in Airline industry-Automation in Airlines: fly by wire, Flight Management System, Auto throttle, Auto pilot, Advantages and disadvantages - Automation in Airport terminals: Self service kiosks, Automated check in, web check in, Flight Information Display Systems, Machine Readable Travel Documents, Automated document authentication, Moving walkways etc - Automation in Cargo and Baggage handling- Automation in Air Traffic Control (ATC) - GDS: benefits and importance - Online travel portals - Electronic ticketing - Real time flight tracking.

Module 4

Aircraft Fuel- AVGAS; Fuelling/Refuelling Safety Precautions:-Supervision- fuelling conditions - fuelling place-refuelling equipment - Precautions to be taken in fuelling zone - Servicing and maintenance of aircraft during fuelling - fuelling with passengers on board, embarkation and disembarkation - management of fuel spillage - defueling.

Enplaning procedure - deplaning Procedure before passenger boarding in-flight cabin preparation.

Module 5

Ground Movement Vehicles: Ground Support Equipment. (GSE)- Non powered equipments - Powered Equipments: Refuelers, Air start Units, Tugs and Aircraft tractors, Baggage tractors, Bobtail tractors, Belt loaders, ULD loaders, Transporters, Lifts, Water trucks, Catering Vehicles, Lavatory service vehicles, Ground power units, Air conditioning Units, Passenger ground transport, Passenger boarding equipment (stairs/mobile lounges or aero bridge)- General Operating Requirements for GSE

Loading and offloading cargo/freight/loading and offloading baggages/Aircraft movements -C/ON,C/OFF- Fright/Baggage

Case studies of Indigo, Jet Airlines, and Air India

References:

1. The Global airline Industry - Eds P Belobaba, A Odoni, and Barnhart, Wiley (2009)
2. DGCA Civil Aviation Requirements
3. DGCA Air rules
4. IATA Ground operations Manual