



# **MAASAI MARA UNIVERSITY**

**REGULAR UNIVERSITY EXAMINATIONS  
2022/2023 ACADEMIC YEAR  
THIRD YEAR FIRST SEMESTER**

**SCHOOL OF TOURISM, HOSPITALITY AND  
LEISURE STUDIES  
BACHELOR OF TOURISM MANAGEMENT**

**COURSE CODE: BTM 3131-1  
COURSE TITLE: AIRFARE AND CENTRAL  
RESERVATIONS SYSTEMS**

**DATE: 14TH DECEMBER, 2022**

**TIME: 1430-1630**

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**INSTRUCTIONS TO CANDIDATES**

Answer **ALL** questions in section **A** and any other **TWO** in section **B**.

*This paper consists of 2 printed pages. Please turn over*

**SECTION A: ANSWER ALL QUESTIONS IN THIS SECTION. (20 MARKS)**

1. A) Refer to the Fare Calculation Box below and answer the following questions.

MIL AZ X/FRA LH AMS LH LON BA LAX M AMSLAX 2533.21 NUC  
2533.21 END IROE.

CITIES	YOW FARES IN NUCS
MIL-LON	585.67
AMS-LAX	2533.21
MIL-LAX	2023.53

- i) Name the type of journey (1Mark)
  - ii) How many transfers are in the entire journey? (1Mark)
  - iii) How many stopovers are in the entire journey? (1Mark)
  - iv) In which sub area is the origin city located? (1Mark)
  - v) Is there any HIP Fare? (YES/NO) if yes indicate where and the amount in NUC. (2 Marks)
  - v) What is the fare in local currency ? (1 Mark)
  - vi) Which is the predominant carrier in the routing? (1 Mark)
1. B) a) Distinguish between:
- i) BHC and CTM check. (2 Marks)
  - ii) MPM and TPM (2 Marks)
- b) Expound on the various types of TFCs in the travel industry. (4Marks)
- c) Critically analyze four Universal Air Travel Plan benefits to travel agents. (4 Marks)

**SECTION B: (30 MARKS) ANSWER ANY TWO QUESTIONS IN THIS SECTION.**

- 2 a) Which Global Indicator/Direction Code will apply to the routings below? (5 Marks)

ROUTINGS WITH NONSTOP SECTOR FLIGHTS	GLOBAL INDICATORS
HONG KONG-JOHANNESBURG-SAO PAULO	
WARSAW-NEW YORK-SINGAPORE	
VIENNA-DUDAI-JAKARTA- SYDNEY	
MANILA-HANOI-MOSCOW	
TOKYO-ANCHORAGE-SEATTLE	

- b) Given the IATA sub -areas - Central Africa, Eastern Africa, Europe, Indian Ocean islands, Mid Atlantic, Middle East, North Atlantic, South Asian sub-continent, South East Asia, South Africa, South West Pacific, Western Africa, Japan/Korea, Libya; indicate the location of the countries listed below for fare construction purposes (10 Marks)

- i) Kenya
- ii) Mexico
- iii) Zambia
- iv) Ireland
- v) New Zealand
- vi) Japan
- vii) Libya
- viii) Madagascar
- ix) Taiwan
- x) Sri Lanka

3. Calculate the applicable normal fare for the following journey using one single fare component.

**Itinerary:** Kuala Lumpur-Al Delhi-IC-Mumbai-SV-Riyadh-KU-Kuwait.

**Fare type:** Economy

**TPMs**

KUL

DEL 2395

BOM 708

RUH 1722

KWI 306

### FARES IN NUC

	YOW	MPM
KUL - DEL	641.05	-
RUH	753.42	-
KWI	686.57	4762
BOM -KWI	356.06	2056
RUH	318.11	-
RUH - KWI	204.00	-

#### Questions:

- i) Calculate the lowest applicable fare for the routing. (10 Marks)
- ii) Show the corresponding fare calculation box. (5 Marks)

4. a) Determine the lowest applicable normal adult fare for the journey below: (10Marks)

Itinerary: Toronto-AC-Chicago-AA-Miami-AA-Buenos Aires-RG-Sao Paulo

Fare type: First class normal

TPMs: YTO-CHI 436, CHI-MIA 1190, MIA-BUE 4417, BUE SAO 1056

Stopovers: At all points except Miami.

### FARES IN NUCS

	FOW	MPM
YTO-SAO	2336.30	6090
YTO-CHI	984.77	
YTO-BUE	2448.68	
CHI-BUE	3014.00	
CHI-SAO	3035.00	
BUE-SAO	495.00	

- b) Construct the transitional automated ticket using the above information. (5Marks)

5. a) Calculate the lowest applicable normal adult fare of the route below. (10 Marks)

Itinerary: Bangkok-MH-Kuala Lumpur-MH-Mauritius - HM-Mahe Island

Fare type: Business Class Normal

TPMs: BKK KUL 762, KUL MRU 3387, MRU SEZ 1104

Stopovers: At all points

BKK	TPM	Carrier	Class
KUL	762	MH	C
MRU	3387	MH	
SEZ	1104	HM	

### FARES IN NUCS

	COW	MPM
BKK-KUL	184.67	914
BKK-MRU	1052.96	5247
BKK-SEZ	796.68	6118
KUL-MRU	1368.42	4407
KUL-SEZ	1117.10	5732
MRU-SEZ	306.51	1324

b) Construct the transitional automated ticket using the above information.

(5 Marks)

### EMS

If results is \_\_\_\_\_ surcharge the fare by;

Over 1.000000 but not higher than 1.05 .....	5%
Over 1.050000 but not higher than 1.10.....	10%
Over 1.100000 but not higher than 1.15 .....	15%
Over 1.150000 but not higher than 1.20 .....	20%
Over 1.200000 but not higher than 1.25 .....	25%

### EMA

The Extra Mileage allowance is not applicable.

### Fare formula steps:

Step	OW application
Fare type	Determine the type of fare best suited to the passenger's travel details
FCP	Identify the fare construction point such as the origin and destination of the fare component
NUC	Quote the fare in neutral unit of construction from the origin to the destination following the appropriate global indicator
RULE	Identify the rule number or route map reference, if any. Check specified routing table or Routings paragraph of the rule to see if the fare component is a specified routing
MPM	Note the maximum permitted mileage and the correct global indicator
TPM	Show the total of the Ticketed Point mileage
EMA	Show the TPM deduction, if any
EMS	Extra mileage surcharge- apply the appropriate surcharge percentages

HIP	Higher intermediate point fare.
RULE	Show rule number and follow the stopover/transfer conditions
AF	Show the applicable fare in any NUC for the component
CHECK	Identify the applicable minimum fare check) and show the highest fare as the required by the check(s)
TOTAL	Add AF of all are components including "Q" surcharges and show the final sum
IROE	Convert NUC into local currency fare and the IATA rate of exchange of the country of commencement of international travel
LCF	Write down the final local currency fare with the correct number of decimal places
BSR/FCR	Convert the LCF to the equivalent fare paid in the currency of the country of payment using bankers selling rate. Use FCR (Fixed conversion rate) for EMU countries
EQFP	Round off the equivalent fare paid following the recommended procedure

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