Time $1\frac{1}{2}$ Hrs

Max. Marks : 40

I. Answer any **five** of the following: 5x2=10

1. If p={1, 2} then find pxpxp

2. If A={1,4}and B={2,3,6}and C={2,3,7} then verify that Ax(B-C)=(AxB)-(AxC)

3. Define a scalar matrix with an example.

4. Verify Cayley –Hamilton theorem for the matrix $\begin{pmatrix} 3 & 1 \\ -1 & 2 \end{pmatrix}$

5. If $\vec{a}=\hat{\imath}-2\hat{\jmath}+3\hat{k}$ and $\vec{b}=2\hat{\imath}+3\hat{\jmath}-5\hat{k}$, find $\hat{a}x\hat{b}$ verify that $\vec{a}$ and $\vec{a}x\vec{b}$ are perpendicular to each other.

6. Show that the vectors $\hat{\imath}-2\hat{\jmath}+3\hat{k}$, $-2\hat{\imath}+3\hat{\jmath}-4\hat{k}$ and $\hat{\imath}-3\hat{\jmath}+5\hat{k}$ are coplanar.

II. Answer any **six** of the following: 6x5=30

7. If A={a, b, c, d} , B={c, d} and C={d, e} find A-B, (A-B)∩(B-C), BxC

8. Find the inverse of the matrix A=$\begin{bmatrix} 3 & -3 & 4 \\ 2 & -3 & 4 \\ 0 & -1 & 1 \end{bmatrix}$

9. Using Cramer's rule solve 3x-y+2z=13,   2x+y-z=3   and   x+3y-5z=-8

10. Find the Eigen Values and Eigen vectors of A=$\begin{pmatrix} 1 & 4 \\ 3 & 2 \end{pmatrix}$

11. If $\log\left|\frac{a+b}{2}\right|=\frac{1}{2}(\log a+\log b)$ then show that a=b

12. Prove that G={1.5.7.11}is a group under multiplication modulo 12.

13.Use the vector method to show that the points A(2,-1,3), B(4,3,1) and C(-1,1,2) are collinear.

14. Find the area of the triangle whose vertices are A(1,2,3), B(2,5,1) and C(-1,1,2) using vector method.

Sindhi college Ist Internal Assessment

subject:NUmerical analysis and Statistical methods
Class: 1 st BCA
Time:2-3
marks:40

Student Name:

~~Short answer text~~

Item deleted   UNDO

Find a root of the equation $x^4-x=10$ correct to three decimal places by Newton's method

○ 1.856

○ b)1.976

○ c 0 2.987

○ d) 1.2222

Find a real root of the equation by secant method given $x^4-x-10=0$ then the

1 855

b)2.333

Class & Section *

Short answer text

Find a root of the equation $x^3-7x+5=0$ using bisection method, then the

○ 0.7968

○ b)0.8999

○ c) 0.4678

○ d)0.3338

UNDO

d) 1.7233

Construct a forward difference tableX

X	-3	-1	1	3	15
F(x)	-18	2	-2	18	110

○ Multiple choice

a)0   ✕

b)1   ✕

c)18   ✕

d)-1   ✕

Add option or add "Other"

Sindhi college Ist Internal Assessment

subject:Mathemathics paper VII
Class: VI sem BSC
Time:2-3
marks:40

Student Name:

Short answer text

Solve $dx/(mz-ny) = dy/(nx-lz) = dz/(ly-mx)$ then one of the solution is *

- lx+my+nz
- b) lxy+myz+mzl
- c) lyx+mz+ny
- d) lz+ny+m

Form partial differential equation from $x^2 + y^2 + [(z-a)]^2 = a^2$ then the * *

- yp-xp
- b) pq-xy
- c) yx-pz

Class & Section *

Short answer text

Solve $2yzdx + zxdy - xy(1+z)dz = 0$ the f(z) is *

- cxe^x
- b)ce^z
- c)cze^z
- d)ze^z

- d) px-my

Solve $xp+yq=z$ then the solution is   ⊡

Multiple choice ▾

- Ø(x,y)=0   ✕
- b)Ø(x/(y), y/z)=0   ✕
- c)Ø(y,z)=0   ✕
- d)Ø(y/x , z/y)=0   ✕
- Add option or add "Other"

Required

Sindhi College ,Department Of Management Travel and Tourism management,IV sem BBAM

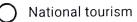Duration:1 hour
Marks:40

* Required

Student Name(Full Name) *

Your answer

Class *

Your answer

------------ TOURISM INVOLVES PEOPLE TRAVEL WITHIN THE COUNTRY *   2 points

◯ DOMESTIC TOURISM

◯ National tourism

◯ INBOUND tourism

◯ Outbound tourism

The headquarters of IATA is in *

2 points

○ Geneva

○ Tokyo

○ Montreal Canada

○ Chicago

Air taxi was started in India on *

2 points

○ January 2020

○ January 2021

○ January 2019

○ None of the above

The first air taxi route in India was from *

2 points

○ Chandigarh to Hisar

○ Chandigarh to Delhi

○ Chandigarh to Ladakh

○ None of the above

Expand IATA *

2 points

○ International Air transport association

○ International aviation travel association

○ International airline Travel association

○ International Air transportation association

What is airport handling function? *

2 points

○ Handling passengers

○ Handling passengers and cargo

○ Handling cargo

WHAT ARE THE CATEGORIES OF AIR TRANSPORT SERVICES *

2 points

○ Scheduled and unscheduled

○ Passenger and cargo

● ○ None of these

Air taxi services would revolutionize the aviation industry and generate profits for the government *

2 points

○ True

○ False

The first pilgrimage center to receive air taxi service /pawan hans helicopter service in India is *

2 points

○ Katra to Vaishno Devi

○ New Delhi to Amarnath

○ New Delhi to Kedarnath

○ None of these

The first air taxi service was launched in Chandigarh by *

2 points

○ Sri Manohar Lal khattar

○ Sri Narendra Modi

○ Sri Harinder Singh Puri

Eco tourism refers to *

2 points

○ E-commerce

○ Economic tourism

○ Nature tourism

○ Medical tourism

_____holidays are one of the type of tourism *

2 points

○ Wellness and health

○ Music and Recreation

○ Sports

○ Entertainment

Tourism activity is _____generating activity *

2 points

○ Income

○ Recreation

○ Travel

○ Destination

Tourism sector creates more _____ opportunities *   2 points

○ Job

○ Fund raising

○ Economic

○ Attractive

_____ is such; that carefully manages its potential negative impact on the   2 points
host community and local environment. *

○ Agro Tourism

○ Cultural Tourism

○ Sustainable Tourism

○ Village Tourism

Airport handling and ground handling are one and the same *   2 points

○ True

○ False

How many steps are there in airport handling procedure? *   2 points

○ 6

○ 7

○ 5

○ 4

Travel agent accreditation and cargo agent accreditation is provided by which agency *

2 points

○ IATA

○ ICAO

○ DGCA

○ BCAS

○ Other:

BMA stands for *

2 points

○ Baggage makeup area

○ Baggage main area

○ Bengaluru main area

○ d)None of these

The first procedure the passenger has to go through in airline travel *

2 points

○ Check in

○ Securing boarding pass

○ Depositing baggage

○ Walk in

Submit

Date: 11/2/2021

TIME: 1 ½ Hrs.   MAX MARKS: 40

SECTION-A

Answer any THREE questions each carries 2 marks: (3X2=6)

1. Define advertising.
2. What is DAGMAR approach?
3. Give the meaning of advertising copy testing.
4. What is meant by media research?

SECTION-B

Answer any ONE question each carries 6 marks: (1X6=6)

5. Briefly explain the various advertising appeals.
6. Discuss the various types of advertising copy.

SECTION-C

Answer any TWO questions each carries 14 marks: (2X14=28)

7. Explain campaign planning process.
8. Discuss the various benefits and factors affecting advertising budget.
9. Explain the various advantages and disadvantages of television media.