

# ASSIGNMENTS

SR. NO.	SUBJECT CODE	REMARKS
1	MS 101	May (A+) ✓
2	MS 103	Sandip (A+) ✓
3	MS 105	Jacobs (A+) ✓
4	MS 107	V.P. Singh (A+) ✓
5	MS 109	Vidyal (A+) ✓
6	MS 111	Kohli (A+) ✓
7	MS 115	Dr. Aakutosh (A+) ✓

SUBMITTED BY	VAISHNAVI SETHI
NAME	
ENROLLMENT NO.	2117003920
CLASS	MBA
SEMESTER	I
DIVISION	A
SHIFT	I



**TECNIA INSTITUTE OF ADVANCED STUDIES**  
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 Tel: 91-11-27555121-24, E-Mail: director@tecnia.in Website: www.tiaspp.tecnia.in



# Assignment - 1 on

MS 101 Management Process and Organizational  
Behaviour

Submitted To: - Dr. Ajay Pratap Singh

Submitted By  
VAISHNAVI SETHI  
Enrollment No: - 9627

Class : MBA  
Semester : 1 Sem  
Div : A  
Shift : 1

A+

Ajay

very good

Veeri

very good

## MS 103 DECISION SCIENCES

### ASSIGNMENT 1

#### Unit 2

Q1- Explain Linear Programming. Explain assumptions of Linear Programming.

The Linear Programming problem is formulated to determine the optimum solution by selecting the best alternative from the set of feasible alternatives available to the decision maker.

#### Assumptions of Linear Programming

There are several assumptions on which the linear programming works, these are:

1. Proportionality - The basic assumption underlying the linear programming is that any change in the constraint inequalities will have the proportional change in the objective function. This means, if product contributes Rs. 20 towards the profit, then the total contribution would be equal to  $20x_1$ , where  $x_1$  is the number of units of the product.

For eg, if there are 5 units of the product, then the contribution would be 100 and in the case of 10 units, it would be Rs. 200.

## MS 105: MANAGERIAL ECONOMICS

## ASSIGNMENT-II

Q1 Short Notes (From Unit III & IV)

A) Oligopoly

The term "oligopoly" refers to an industry where there are only a small number of firms operating. In an oligopoly, no single firm enjoys a large amount of market power. Thus, no single firm is able to raise its prices above the price that would exist under a perfect competition scenario. In an oligopoly, all firms would need to collude in order to raise prices and realize a higher economic profit. Most oligopolies exist in industries where goods are relatively undifferentiated and broadly provide the same benefit to consume.

2) Economies of Scale Vs. Economies of Scope

Economies of Scale and Economies of Scope are two important strategies used by most of the organizations to gain cost effectiveness. A strategy used for cutting cost by increasing the volume of units produced is known as Economies of Scale. Economies of Scope implies a technique to lower down the cost by producing multiple products with the same operations or inputs.

In economies of scale is implemented, the average cost of producing

Topic: .....

MS-107: MANAGEMENT ACCOUNTING

ASSIGNMENT - 1

Very good  
P  
A  
A

DATE	JOURNAL PARTICULARS	DEBIT (₹)	CREDIT (₹)
15/02	Cash A/c — Dr. To Capital A/c (being business started with cash)	30,000	30,000
20/02	Bank A/c — Dr. To cash A/c (being cash deposited into bank)	10,000	10,000
25/02	Machinery A/c — Dr. To cash A/c (being machine purchased for cash)	5000	5000
28/02	Purchase A/c — Dr. To Bank A/c (being goods purchased and payment made by cheque for 5000 & trade discount 5%.)	4750	4750
29/02	Electric charges A/c — Dr. To Bank A/c (being electric charges paid by cheque)	50	50

Topic: .....

Date.....  
Page No ....1.....

MS-109 - INFORMATION TECHNOLOGY MANAGEMENT

ASSIGNMENT - 1

Vishal AT

Keep it up

1 Short Questions

1. Difference between Magnetic Disk and Optical Disk.

MAGNETIC DISK	OPTICAL DISK
① It is a thin plastic or metallic circular plate coated with protected covers.	It is flat and circular disk which is coated with reflecting plastic material that can be altered by laser light.
② Data is stored in magnetic disk as magnetised dots, it is inserted into magnetic disk drive for access.	It can store 1 or 0 bits as spots that are relatively bright and light.
③ The drive consists of read and write heads which are attached to disk arm.	Optical disk consists of spiral track that can start from the center to the edge of disk.
④ It can access data randomly.	It can access large amount of data sequentially.
⑤ It is multiple fixed type.	It is single removable disk.

Teacher Sign .....

Topic: .....

Date: .....

Page No .....

MS III - BUSINESS COMMUNICATION  
ASSIGNMENT - IF  
Factual  
very good

Q1 Short Notes (From Unit I &amp; II)

(A) Lateral Communication

Communication that takes place at same levels of hierarchy in an organisation is lateral communication i.e. communication between peers, between managers at same levels or between any horizontally equivalent organisational members. The advantages of horizontal communication are as follows:-

- It is time saving
- It facilitates co-ordination of the task
- It facilitates co-operation among team members
- It provides emotional and social assistance to the organisational members
- It helps in solving various organisational problems
- It is a means of information sharing
- It can also be used for resolving conflicts of a department with other department or conflicts within a department

(B) Formal Communication

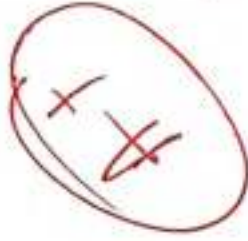
The formal communication is the exchange of official information that flows along the different levels of the organisational hierarchy and conforms to the

Teacher Sign .....

MS 115 - MANAGERIAL SKILL DEVELOPMENT Sethi

# EXTEMPORE

~~Key for up~~



MADE BY

VAISHNAVI SETHI

(MBA DIV A)

Sethi



# ASSIGNMENTS

S. No.	SUBJECT CODE	REMARKS
1.	MS 101	<del>Kamila</del> A+ ✓
2.	MS 103	<del>Lo</del> A+ ✓
3.	MS 105	<del>Sachin</del> A+ ✓
4.	MS 107	<del>S. J.</del> A+ ✓
5.	MS 109	<del>S. J.</del> A+ ✓
6.	MS 111	<del>S. J.</del> A+ ✓
7.	MS 113	<del>S. J.</del> A+ ✓
8.	MS 115	<del>S. J.</del> Very good A+ ✓

SUBMITTED BY:	
NAME	AANCHAL
ENROLMENT NO.	00317003921
COURSE	MBA
SEMESTER	1 <sup>ST</sup>
DIVISION	A
SHIFT	MORNING



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# ASSIGNMENT – 1, 2, 3

Subject Code: MS 101  
Management Process and Organizational Behaviour

MASTERS OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-23

Submitted To:-  
MS KEENIKA ARORA

*A+*  
*Keenika*  
*very good*

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

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# ASSIGNMENT – 1, 2, 3

Subject Code: MS 103  
Quantitative Techniques

MASTERS OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-23

Submitted To:-

MS. VAISHALI PRASAD

*Vc*  
*16/03/22*

*A+*  
*very good*

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

Division:- A



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# ASSIGNMENT – 1, 2

Subject Code: MS 105  
Managerial Economics

MASTERS OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-23

*Very good*

Submitted To:-

DR. SACHIN SABHARWAL

*(A+)*  
*Sachin*

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

Division:- A



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# ASSIGNMENT – 1, 2, 3

Subject Code: MS 107  
Accounting for Management

MASTERS OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-23

Submitted To:-  
DR. Y. P. SINGH

*A+*  
*Keep it up*

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

Division:- A



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# ASSIGNMENT – 1, 2, 3

Subject Code: MS 109  
Information Technology Management

MASTERS OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



*Very good*

*A+*

Session:- 2021-23

Submitted To:-

DR. SONAL DAHIYA

*S. P.*  
*16/02/22*

Submitted By:-

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Semester:- 1<sup>st</sup>

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ASSIGNMENT – 1, 2, 3

Subject Code: MS 111  
Marketing Management

MASTERS OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI

*Very good*

*A+*



Session:- 2021-23

Submitted To:-

DR. SANDEEP KUMAR

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

Division:- A



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# ASSIGNMENT – 1, 2

Subject Code: MS 113  
Communication in Organizations

MASTERS OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-23

Submitted To:-

MR. RAHUL TRIPATHI

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

Division:- A



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# ASSIGNMENT – 1

Subject Code: MS 115  
Legal Aspects of Business

MASTERS OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-23

Submitted To:-  
DR. AJAY KUMAR

*Keep it up*

*AP*  
*[Signature]*

Submitted By:-

Name:- AANCHAL

Enrolment No.:- 00317003921

Course:- MBA

Semester:- 1<sup>st</sup>

Shift:- Morning

Division:- A



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## ASSIGNMENTS

S.NO.	SUBJECT CODE	REMARKS
1.	MBA-102	<i>Reema</i> (A+) ✓
2.	MBA-104	<i>F. Pragy</i> (A+) ✓
3.	MBA-106	<i>Nandini</i> (A+) ✓
4.	MBA-108	<i>Dr. Rajesh Bajaj</i> <i>For Nandini</i> (A+) ✓
5.	MBA-110	<i>Akshay</i> <i>19/06/23</i> (A++) ✓
6.	MBA-112	<i>Dr. Pradeep</i> <i>Srivastava</i> <i>19/6/23</i> (A+) ✓
7.	MBA-114	<i>F. Pragy</i> (A+) ✓
8.	MBA-116	<i>Reema</i> (A+) ✓

ASSIGNMENT OF

MBA-102

(Technology And Innovation Management)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. MN JHA

*A+*  
*very good*

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

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ASSIGNMENT OF

MBA-104

(Financial Management)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23 (Even) Batch-2022-24



Submitted To:-  
Dr. Reema Sharma

*Reema*



*Very good*

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

**Tecnia institute of advanced studies**

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ASSIGNMENT OF

MBA-106

(Business Research)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. Sandeep Kumar

*A+*  
*S Kumar*  
*Very good*

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

**Tecnia institute of advanced studies**

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ASSIGNMENT OF

MBA-108

(Sustainable Operation Management)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. Rajesh Bajaj

A+

RB

Keep it up

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

**Tecnia institute of advanced studies**

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ASSIGNMENT OF

MBA-110

(Management Of Information System)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. Abhishek Kumar Updhayay

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

**Tecnia institute of advanced studies**

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ASSIGNMENT OF  
MBA-112  
(Human Resource Management)  
MASTER OF BUSINESS ADMINISTRATION  
Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. Ruchi

*A+*  
*Very good*

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

**Tecnia institute of advanced studies**

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ASSIGNMENT OF

MBA-114

(Minor Project)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. Reema Sharma

*Reema*  
*Very good*

Submitted By:-  
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Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

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ASSIGNMENT OF

MBA-116

(Professional Skill Development)

MASTER OF BUSINESS ADMINISTRATION

Academic Session: - 2022-23(Even) Batch-2022-24



Submitted To:-  
Dr. Reema Sharma

*(A+)*  
*Reema*  
*Very good*

Submitted By:-  
Name:- Ayush Aggarwal  
Programme:- MBA  
Semester:- 2<sup>nd</sup>  
Shift:- 1<sup>st</sup>  
Division:- A

**Tecnia institute of advanced studies**

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# ASSIGNMENTS

S.NO	SUBJECT CODE	REMARKS
1.	BBA-201	<i>[Handwritten signature]</i> <span style="float: right;">(A)</span>
2.	BBA-203	<i>[Handwritten signature]</i> <span style="float: right;">(A+)</span>
3.	BBA-205	<i>[Handwritten signature]</i> <span style="float: right;">(A+)</span>
4.	BBA-207	<i>[Handwritten signature]</i> <span style="float: right;">(A)</span>
5.	BBA-209	<i>[Handwritten signature]</i> <span style="float: right;">(A+)</span>
6.	BBA-211	<i>[Handwritten signature]</i> <span style="float: right;">(A+)</span>
7.	BBA-217	<i>[Handwritten signature]</i> <span style="float: right;">(A+)</span>

<b>SUBMITTED BY:</b>	
NAME	SUMIT KUMAR PURBAY
ENROLLMENT NO.	03221301722
CLASS	BBA
SEMESTER	3
DIVISION	A
SHIFT	MORNING



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# ASSIGNMENT-1

Subject Code: BBA-201

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

Submitted To:

DR. M.N. JHA

Submitted By:

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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# ASSIGNMENT-1, 2,3,4

Subject Code: BBA-203

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

Submitted To:

DR. JAGBIR

Submitted By:

*A+*  
*Excellent*

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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# ASSIGNMENT-1

Subject Code: BBA-205

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

*very good*  
*AT*

Submitted To:

DR. KAPIL DEV

Submitted By:

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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# ASSIGNMENT-1, 2

Subject Code: BBA-207

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

Submitted To:

MS. GEETIKA BATRA

Submitted By:

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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# ASSIGNMENT-1, 2

Subject Code: BBA-209

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

Submitted To:

DR. KANIKA GUPTA

WELL DONE

Submitted By:

A+

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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# ASSIGNMENT-1

Subject Code: BBA-211

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

Submitted To:

DR. ARCHANA DIXIT

Submitted By:

*At Great Work*

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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# ASSIGNMENT-1, 2

Subject Code: BBA-217

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session: 2022-25

*very good.*

*A+*

Submitted To:

MS. CHAHAT

*Chm*

Submitted By:

Name: SUMIT KUMAR PURBAY

Enrollment No: 03221301722

Course: BBA

Semester: 3

Shift: 1<sup>st</sup>

Division: A



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## ASSIGNMENTS

S.NO	SUBJECT CODE	REMARKS
1.	BBA-101	<del>Handwritten mark</del> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">A+</span>
2.	BBA-103	<del>Handwritten mark</del> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">A+</span>
3.	BBA-105	<del>Handwritten mark</del> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">A</span>
4.	BBA-107	<del>Handwritten mark</del> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">A+</span>
5.	BBA-109	<del>Handwritten mark</del> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">A+</span>
6.	BBA-113	<del>Handwritten mark</del> <span style="color: red; border: 1px solid red; border-radius: 50%; padding: 2px;">A</span>

SUBMITTED BY:-	
NAME	Priyanshi Goyal
ENROLLMENT NO.	10017001723
CLASS	BBA
SEMESTER	1st
DIVISION	B.
SHIFT	Morning



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# ASSIGNMENT-1.2

Subject Code:- BBA- 101

BACHELOR OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2023-2026

Submitted To:-

Dr. Kapil

*A+*

*Ky*

*very good*

Submitted By:-

Name: Priyanshi Goyal

Enrollment No: 10017001723

Course:- BBA

Semester: 1st

Shift:- Morning

Division:- B



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# ASSIGNMENT-1,2

Subject Code:- BBA-103

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2023-2026

Submitted To:-

Ms. Himani  
Chaudhary

*He*

*A+*

*Priyanshi Goyal*

Submitted By:-

Name: Priyanshi Goyal

Enrollment No: 10017001723

Course:- BBA

Semester: 1st

Shift:- Morning

Division:- B



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# ASSIGNMENT-1.2

Subject Code:- BBA- 105

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2023-2026

Submitted To:-

Dr Anuj  
Nanda

Submitted By:-

Name: Priyanshi Goyal

Enrollment No: 10017001723

Course:- BBA

Semester: 1st

Shift:- Morning

Division:- B

*AC keep it up*



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# ASSIGNMENT-1,2

Subject Code:- BBA- 107

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2023-2026

Submitted To:-  
Ms. Chahat

*well done.*  
Submitted By:-  
Name: Priyanshi Goyal

Enrollment No: 10017001723

Course:- BBA

Semester: 1st

Shift:- Morning

Division:- B



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# ASSIGNMENT-1,2

Subject Code:- BBA-109

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2023-2026

Submitted To:-  
Mr Abhishek

*Abhishek*

*AT Very good*

Submitted By:-

Name: Priyanshi Goyal

Enrollment No: 10017001723

Course:- BBA

Semester: 1st

Shift:- Morning

Division:- B



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Name: Priyanshi Goyal

Class: BBA, 1st Year [1st Semester] (Good)

Division: B

Submitted To: Mr. Kapil

Subject: Entrepreneurship  
Mindset

# ASSIGNMENTS

SR. NO.	SUBJECT CODE	REMARKS
1	BBA-301	Income tax law <i>(A)</i>
2	BBA-303	POM (Production & operation Mgmt) <i>(A)</i>
3	BBA-305	Service marketing <i>(A)</i>
4	BBA-307	Entrepreneurship development <i>(A)</i>
5	BBA-309	Goods and service Tax <i>(A)</i>
6		
7		

*Suraj To III 23*  
*19/10/23*

SUBMITTED BY	Riya Gupta
NAME	Riya Gupta
ENROLLMENT NO.	10517001720
CLASS	BBA - Div - B
SEMESTER	5 <sup>th</sup>
DIVISION	B
SHIFT	I



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BACHELOR OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY DELHI

Income tax law

BBA -301



Session 2020-2023

Submitted To:  
Dr. *Keema* Sharma

Submitted By:

Name: RIYA GUPTA  
Enrollment No: 10517001720  
Batch: BBA 5th SEMESTER Div-B  
Shift: I

*Very good*

*(A7)*

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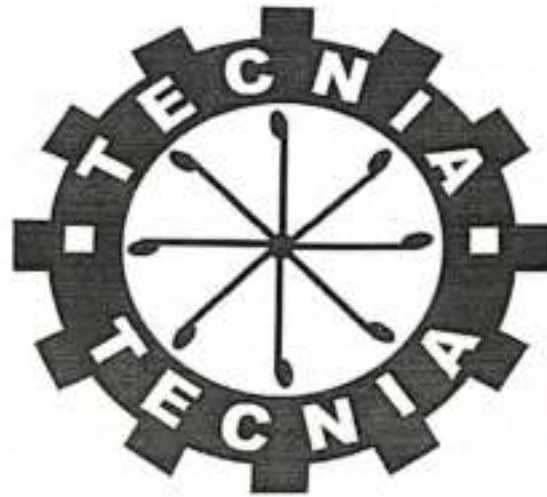
Ph: 27555121-22-23-24 Fax: 27555120

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BACHELOR OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY DELHI

POM  
BBA -303



Session 2020-2023

Submitted To:  
MS. MANISHA SHARMA

Submitted By:

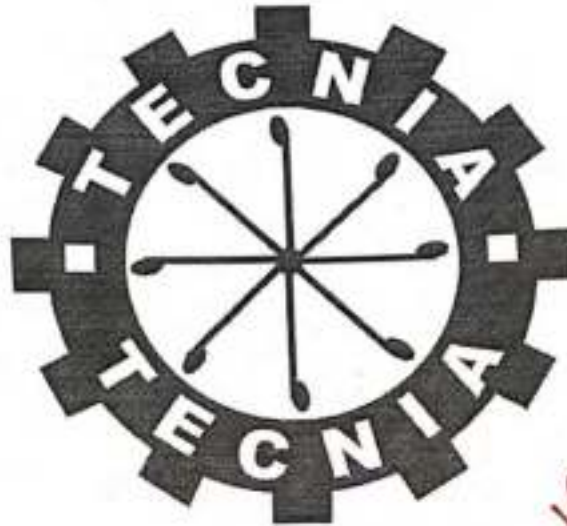
Name: RIYA GUPTA  
Enrollment No: 10517001720  
Batch: BBA 5<sup>TH</sup> SEMESTER Div-B  
Shift: I

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BACHELOR OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY DELHI  
SERVICE MARKETING  
BBA-305



Session 2020-2023

Submitted To:  
MR. SUSHIL AHTEHAM

*Sushil*

Submitted By:

Name: RIYA GUPTA  
Enrollment No: 10517001720  
Batch: BBA 5<sup>TH</sup> SEMESTER Div-B  
Shift: I

*Very good*

*AT*

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STUDIES

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GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY DELHI

ED  
BBA -307



Session 2020-2023

Submitted To:  
DR.RUCHI SRIVASTAVA

Submitted By:

Name: RIYA GUPTA  
Enrollment No: 10517001720  
Batch: BBA 5<sup>TH</sup> SEMESTER Div-B  
Shift: I

Good  
A

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BACHELOR OF BUSINESS ADMINISTRATION  
GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY DELHI

GST  
BBA -309



Session 2020-2023

Submitted To:  
MS. GURLEEN

Submitted By:

Name: RIYA GUPTA

Enrollment No: 10517001720

Batch: BBA 2<sup>nd</sup> SEMESTER Div-B

Shift: I

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TECNIA INSTITUTE OF ADVANCED  
STUDIES

## ASSIGNMENTS

S.NO	SUBJECT CODE	REMARKS
1.	BBA-101	<i>15/3/22</i> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A</span>
2.	BBA-103	<i>15/3/22</i> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A+</span>
3.	BBA-105	<i>15/3/22</i> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A+</span>
4.	BBA-107	<i>15/3/22</i> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A+</span>
5.	BBA-109	<i>15/3/22</i> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A</span>

SUBMITTED BY:-	
NAME	PRANAV JAIN
ENROLLMENT NO.	08421301721
CLASS	BBA
SEMESTER	1st
DIVISION	B
SHIFT	EVENING



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# ASSIGNMENT-1, 2

Subject Code:- BBA-101

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-24

*A (well done)*

Submitted To:-

Dr. SUHAIL AHTESHAM

Submitted By:-

Name:- PRANAV JAIN

Enrollment No: 08421301721

Course:- BBA

*Pranav Jain*  
*14/3/22*

Semester:- 1st

Shift:- 2nd

Division:- B



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# ASSIGNMENT-1, 2, 3

Subject Code:- BBA-103

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-24

(Excellent)  
A+

Submitted To:-

Ms. VAISHALI PRASAD

*Va*

Submitted By

Name:- PRANAV JAIN

Enrollment No:- 08421301721

Course:- BBA

Semester:- 1st

Shift:- 2nd

Division:- B



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# ASSIGNMENT-1, 2

Subject Code:- BBA-105

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-24

Submitted To:-

DR. ARCHANA DIXIT

*Archana*  
*15/8/22*

Submitted By:-

Name:- PRANAV JAIN

*Pranav Jain*  
*(with done)*

Enrollment No:- 08421301721

Course:- BBA

Semester:- 1st

Shift:- 2nd

Division:- B



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# ASSIGNMENT-1, 2, 3

Subject Code:- BBA-109

BACHELOR OF BUSINESS ADMINISTRATION

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI



Session:- 2021-24

Submitted To:-

MR. DEEPAK SHARMA

*Deepak*

Submitted By:-

Name:- PRANAV JAIN

Enrollment No:- 0842130172

Course:- BBA

Semester:- 1st

Shift:- 2nd

Division:- B

*A good  
can do better*



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Web Based Programming (BA-303)Assignment-1

Good  
A

Q1Short Note  
Unit-1

a) what is web server?

Web server is a computer where the web content is stored. Basically, web server is used to host the web site but there exists other web servers also such as gaming, storage, FTP, emails, etc. web sites is collection of web pages while web server is a software that respond to the request for web resources.

b) Explain local and remote server.

LOCAL WEB SERVER :-

As the name suggests a local server is a private owned machine most commonly used by developers to store and test the web pages that have server side scripted codes. When a developer installs web servers software on his current machine and uses it for developing web applications, the machine will be called a local web server.

REMOTE WEB SERVER :-

Opposite to local server, remote server refers to a

computer that is remotely located having a web server software, database and other resources to handle remote requests sent by the users of a website.

c) Explain client side and server side scripting.

Basis of comparison	Server Side Scripting	Client-Side Scripting
1) Meaning	works in the back-end which could not be visible at the client end.	works at the front-end and script are visible among the users.
2) Processing	Requires server interaction	Does not interaction with the server.
3) Languages Involved.	PHP, ASP.net, Ruby on Rails, Coldfusion, Python, etc.	HTML, CSS, Javascript, etc.
4) Affect	could effectively customize the web pages and provide dynamic websites.	can reduce the load to the server.
5) Security	Relatively secure	Insecure.

d) what is IIS?

Internet Information Server is a flexible, general-purpose web-server from Microsoft that runs on windows systems to serve requested HTML pages or files.

An IIS web server accepts requests from remote client computers and returns the appropriate response. This basic functionality allows web servers to share and deliver information across local area network (LAN).

## Unit II

1) What is Juggling in PHP?

Type juggling means dealing with a variable type. In PHP a variable type is determined by the context in which it is used. If an integer value is assigned to a variable it becomes an integer. In many programming languages, declaring variables requires variable's data type and the name of that variable.

2) How do you give comment in PHP?

Comments are usually written within the block of PHP code to explain the functionality of the PHP code.

Single line comment - PHP single line comment begins with '//',

egs:

```
<? php
```

```
    echo "HELLO WORLD"; // output "Hello world".
```

```
?>
```

Multi-line comment - PHP multi-line comment begins with '/\*', and ends with '\*/'.

Example -

```
<? php
/* The following line of code
will output "Hello world" */
echo "Hello world";
?>
```

3) What is the difference between echo and print?

Basis	"echo"	"print"
1) Type	This is a type of output string.	This is a type of output string.
2) Parenthesis	Not written with parenthesis	It can or can not be written with parenthesis.
3) Strings	It can output one or more strings.	It can output only one string at a time, and returns 1.
4) Functionality	Echo is faster than print.	Print is slower than echo.
5) Argument	echo (\$arg1 [arg2...])	print (\$arg)

4) sort() and is\_array().



The sort() function sorts an indexed array in ascending order.

Use the rsort() function to sort an indexed array in descending order.

Syntax - `sort (array, sorttype)`

The is\_array() function checks whether a variable is array or not.

This function returns true if the variable is an array, otherwise it returns false/nothing.

Syntax - `is_array()`;  
variable

Q2 Descriptive One.  
Unit 1.

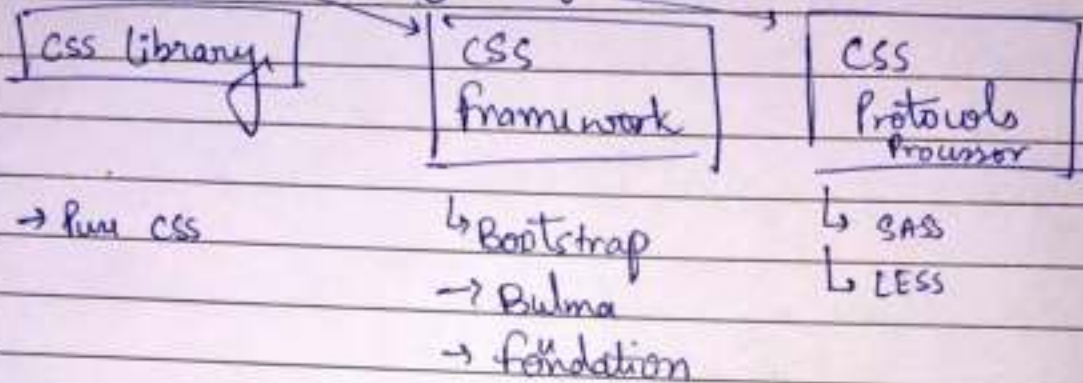
- 1) Explain the web development tools required to make dynamic website in brief.

Dynamic website is a website that contains pages that displays different content everytime they may depend on page, visitor, user search, or type of interaction.

Dynamic website can be of three types -

- 1) client side scripting / front-end Development - part of website that user interacts directly. It was use tools such as -

1. HTML - Hyper text markup language.
2. CSS - Cascading style sheets



3. Javascript - provides dynamic behaviour

→ ES6

→ Typescript

→ Package manager → npm

↳ yarn

→ JS framework → Angular JS

→ React JS

→ Vue JS

→ JS library and JS Query

↓

JS query UI  
JQuery Mobile  
JQuery Plugins

Script.aculo.us  
PS.js  
D3.js  
Underscore.js

## ② Server side / Back-end Development -

Users cannot see and interact and is used to store and arrange data.

## Tools Used →

1. PHP → Package Manager → composer  
→ Testing → PHP unit  
→ PHP Framework → Laravel  
→ PHP CMS → Wordpress  
Joomla  
Drupal  
Magento.
2. Node.js → framework - Express  
→ package manager - npm  
yarn
3. Python → framework - Django  
- flask  
→ Package Manager - pip
4. Ruby → framework - Ruby on Rails
5. Java → framework → Spring
6. Golang
7. C# → framework → Spring Net
8. Storage → Relational Database → ① PostgreSQL  
② Maria DB  
③ MySQL  
→ NoSQL Database → ① MongoDB.

3. Combination Scripting - both client and server side are combined to shorten server's load which enhance user experience.

Basic Requirements for Dynamic website -

1. Web Server
2. Database
3. Content Management System (CMS)

Q2. Differentiate between static and dynamic web pages.

Basics for comparison	Static web pages	Dynamic web pages
1. Meaning	Static web pages will remain same for the time until and unless someone changes it manually.	Dynamic web pages are behavioral and have the capacity to produce distinctive content for different visitors.
2. Complexity	Simple to design.	Complicated to construct.
3. Application and web languages used to create web pages	HTML, JavaScript, CSS, etc.	C.G.L, AJAX, ASP, ASP.NET, etc.
4. Information change	Occurs rarely	Frequently

5. Page Loading Time

Less comparatively

More

6. Use of Database

Doesn't use database

A database is used.

Unit II

- 2) Explain the types of scripting language and justify with example the important of scripting language for creating website.

Ans Scripting language is a programming language for runtime that automates the execution of task.

Types of Scripting Language -

- 1) Client Side Scripting (Front-end Development) - runs on user computer and is visible to visitors/users and allow them to interact.

Example - HTML, CSS, Javascript.

- 2) Side Server Scripting (Back-end Development) - runs off a web server and is not visible to user. It is often used to create dynamic website and perform, handle and generate queries.

Example - PHP, Python, Node JS.

## Advantage of Scripting Language -

- 1) Easy Learning
- 2) fast Editing
- 3) Interactivity
- 4) functionality

## Application of Scripting Language -

- 1) web Applications
- 2) System Administration
- 3) Application Multi-media.
- 4) Plugins and Extensions.

Q2 Define constant in PHP. Explain variable scope and super global variables in PHP.

Ans. 1) PHP constant - Identifies/variable whose value cannot be changed during the script.

Syntax - define (name, value, case insensitive)

Parameters - name, value, case sensitive.

Example - 

```
<? php
define("SARA", True);
echo greeting;
?>
```

2) PHP Variable Scope - part of the script where variable can be referenced/used.

Topic \_\_\_\_\_

Date \_\_\_\_\_

Scopes → local  
Global  
static

Example

→ &lt;? php

\$x = 6;

function mytest();  
echo "Yo!"; }

mytest(); echo "Outside"; ??

3) PHP Super Global - (\$GLOBALS) used to access global variables from anywhere in script stores all global variables in array.

= \$GLOBALS[index]

Example - <? php

\$x = 6; \$y = 1; function addition()

{ \$GLOBALS['z'] = \$GLOBALS['x'] + \$GLOBALS['y']; }

addition(); echo \$z ??

# Assignment 1,

Nisha Singh  
2nd shift  
11/11

## WEB BASED PROGRAMING

Ques - Short - Notes

UNIT - 1

Q1) What is web server?

Ans) Web server is a computer where the web content is stored. Basically web server is used to host the but there exist other web services also such as gaming, streaming, FTP, email, etc.  
It respond to the client request in either of the two ways:—

→ sending the file to the client associated with the request URL

→ generating response by invoking a script and communicating with database.

Q2) Explain local and remote server.

→ generating response by invoking a script and communicating with database

→ sending the file to the client associated with request URL.

Ans) Local server is a privately owned machine most commonly used by developer to store and test the web-pages that the server side scripting.



2

A local server can be your laptop or personal computer giving you the complete Environment (Software & hardware) for developing a web application.

Remote web server refers to the computer that is remotely located having a web server software & database and other resource to handle remote request send by the user of the web site. A remote server responds to the user requests by transferring the page requested over the internet connectivity.

Explain client side and Server side scripting.

Ans Client-side script is a program that is processed with the client browser. These kinds of scripting are small programs which are download compiled and run by the browser. Java-script is an important client-side scripting language. It is widely used in dynamic websites and can be embedded sites in HTML or stored in external file.

Server-side scripting is processed on the web-browser or server where the user requests information. These kinds of scripts can run before a web-page is loaded. They are needed for anything that requires dynamic data. Common server-side languages are PHP, Python, Ruby and Java.

4 What is IIS,

Ans ~~for~~ Internet Information Service (IIS) is a flexible general-purpose web server from Microsoft that runs on windows system to server request HTML pages or files.

Ans: IIS web server accepts request from remote client computer and returns the appropriate response. The basic functionality allows web server to show and deliver information across local area networks (LAN) such as corporate intranets and widely area network (WAN), such as internet.

## UNIT II

1) What is Juggling in PHP?

Juggling means dealing with variable type. In PHP a variable type is the context in which it is used. If an integer value is assigned to a variable, it becomes an integer. If a string value is assigned to the variable it becomes a string.

Ex. 

```
<? PHP
$a = 100;
$b = "100";
$c = $a + $b;
var_dump($c);
```

Output: -  
int(200)

2) How do you give comment in PHP?

A comment in PHP code is a line that is not executed as a part of the program.

Its only purpose is to be read by someone who is looking at the code.

There are two types

- Single line comments
- Multiline Comments

Single line Comments . is placed at End of the line or at current block . start with the pound (#) or double forward slash (//)

Multiple comment

→ start with /\* and end with \*/

dr.

3. What is difference b/w in echo & print ?

Echo and print are more or less the same

→ They are both used to output data to the screen

→ The differences are small echo has no return value while print has a return value of 1 so it can be used in expressions

→ Echo can take multiple parameter (although such usage is rare) while print can take one argument .

→ Echo is marginally faster than print

4. sort() and is\_array()

Ans sort()

sort an array in ascending order.

Example :-

```

<? PHP
$a = array(22, 10, 56, 0, 1);
sort($a);
?>
Output
0, 1, 10, 22, 56

```

is\_array()

is used to check whether a variable is an array or not

Example

```

<? PHP
$a = "Hello";
echo "a is" . is_array($a) . "<br>";
$b = array("red", "green", "blue");
echo "b is" . is_array($b) . "<br>";
?>

```

Output  
a is  
b is 1

Ques-2 Descriptive one

UNIT - 1

1) Explain the web development tools required to make dynamic website in brief.

Ans Dynamic websites are called so because, in this method HTML web pages are built dynamically by pulling data from database and file systems with the help of server side scripting language like PHP, Java, dotnet, asp etc.

Web development tools are the computer program that is used by the developers to create, debug, maintain, or supports the other programs and an application. Some of common development tools used for the development of the websites are Code editor, web browser and hosting.

Code Editor

To create website, choosing a good code editor can make work more effective and efficient among many code editor VS code was selected for the development of website.

✓ Code support multiple programming languages. Which means that it can easily detect if there is any fault or cross-language references with the ever-increasing demand of the code, security and time as valuable and vs code is connected with the CRP repository for pulling or saving in meantime. Other features, such as terminal support, multiple programming languages which means that it can easily detect if there is any fault or cross-language references with the ever-increasing demand of the code, security and time as valuable, and vs code is connected with the CRP Repository for pulling or saving in meantime. Other features, such as terminal support, multiple projects and extensions are provided by visual code.

→ Hosting  
Hosting services is a type of internet hosting service that host website for clients. It offers the facilities required from them to create and maintain a site and make it accessible on WWW.

It require following steps :-

- one or more servers to act the host for the sites server may be physical or virtual
- colocation for the server providing physical space electricity and internet connectivity
- domain name system configuration to define name for site and point them to the hosting server
- a web server running on the host
- for each site hosted on the server
  - space on the server to hold the files
  - making up the site
  - site - specific configuration
  - software and credentials allowing the client to access these, enable them to create, configure and modify the site.
  - email connecting allowing the host and site to send email to the client

Some hosting sites are ex -> Blue host, Dreamhost, Lithub, site ground etc.

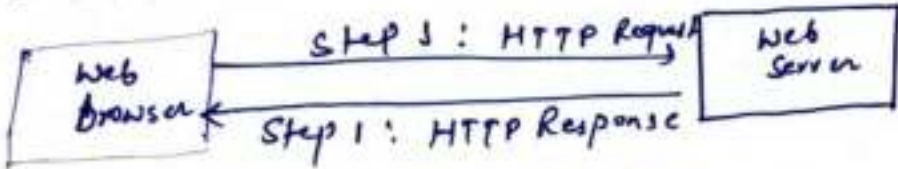


14. What is different between dynamic and static website -

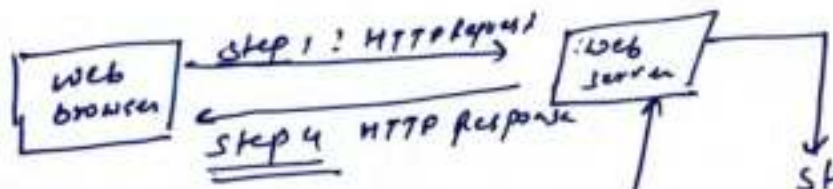
- In static web pages page will remain the same until someone changes it manually whereas in dynamic website or page, content of pages are different for the different viewers.
- Static web page are simple in terms of complexity & dynamic website are complicated
- In static web pages, information are change rarely. In dynamic web page information are change frequently
- static web-page take less time for loading than web page. Dynamic web page take more time for loading.
- static web pages ~~doesn't~~ contain any application program. whereas web pages contains application program for different server
- static web page are within the language such as HTML, CSS, JS etc where as dynamic web page are written in language such as ASP, CGI, ASP.NET etc

Static web page require less work and cost in designing than dynamic web pages required comparatively more work and cost in designing them

static page, data base is not used whereas, in dynamic web-page database is used



Static web-page



Step 3 The program execute and produce HTML output

Step 2 calls on application & program in response to the HTTP request

Dynamic web page

## QWIT II

Q Explain the type of scripting language and justify with example the importance of scripting language for creating website.

Ans Scripting language for creating website is series of command with an executable file. The language is designed to integrate and communication with other programming language in order to glue complex system together and create new function in an application.

### Characteristics:-

- It is open-source, which means a user can have full control to view and edit it.
- It is easy to learn and work with.
- comparatively faster to develop than an actual program.
- It has a limited number of data structures which makes it easy to write and edit.
- It is used to create plug-ins and extension type.
- server-side scripting - A web server language is where server-side scripting language are executed.

web a client submit on HTTP request, the server responds by delivery content. one important advantage of server-side script is that they are not visible to general public, as client

- Ex - PHP
- Java
- Python
- Ruby
- ASP.NET

### → Client-side scripting

This, on the other hand, executes on the client's end. In these web-browsers, client-side scripts have advantage of reducing server demand, allowing web page to load ~~re~~ quicker.

- Ex :- HTML
- CSS
- JavaScript.

### Importance

As of today, scripting language are widely used and in demand due to its capability to produce dynamic contents specially in web-based application. A scripting language allows users to develop dynamic and interactive web page with minimum effort and less programming expertise.

## Advantage

- Easy to learn and use
- minimum programming knowledge or experience required.
- allow complex tasks to be performed in relatively few steps
- allow simple creation and editing in a variety of text editor.
- Editing and running code is fast
- no need to compile every time you make changes

Q. Define constant in PHP with example  
Explain variable scope and super global variable in PHP

Ans. PHP constant

- A constant is an ~~static~~ identifier (name for a simple value). The value cannot be changed during the script.
- A valid name start with a letter or underscore (no \$ sign before the constant name)
- To create a constant use `define()` function.

Ex :- < ? PHP

```
define ("GREETINGS", "welcome to my house!");  
ECHO GREETINGS, "welcome to my  
?>
```

Output -  
welcome to my house

PHP variable scope :-

Variable can be declared anywhere in the script. The scope of a variable is the part of the script where the variable can be referenced. PHP has three variable scope

- local
- global
- static.

Global

A variable declared outside a function has a GLOBAL scope and can only be accessed outside a function.

Ex → ← PHP

PHP variables scope:-

Variable can be declared anywhere in the script. The scope of variable is the part of the script where the variable can be referenced. PHP has three variable scope

→ local

→ global

→ static

Global

A variable declared outside a function has a GLOBAL scope and can only be accessed outside a function.

Ex → <? PHP

```
$n = 5; // global scope
```

```
function mytest() {
```

```
    echo "variable x outside function is $n";
```

```
}
```

local

A variable declared within a function has a local scope and can only be accessed within that function.

Ex :-

```
<?PHP
function my test ()
{
    $n = 5; // local scope
    echo "$n";
}
my test ();
echo "variable x outside function is '$n'";
?>
```

local

A variable declared within a function has a LOCAL SCOPE and can only be accessed within that function

```
Ex - <?PHP
function my test ()
{
    $n = 5; // local scope
    echo "$n";
}
my test ();
echo "variable x outside function is '$n'";
?>
```



→ \$SESSION is way to store information (in variable) to be used across multiple pages, the information is not stored on the user computer.

→ \$COOKIE is used to identify user - cookie is a small file that the server embeds on the user's computer it will send the cookie too. With PHP you can both create and retrieve cookie value.

---

## Super Global variable :-

Some predefined variables in PHP are "super global" which means that they are always accessible, regardless of scope and you can access them from any function, class or file without having to do anything special.

The PHP super global variables are —

→ `$_GLOBALs` is a PHP super global variable which is used to access global variable from anywhere in the PHP script

→ `$_SERVER` is a PHP super global variable which holds information about header, paths and scripts location.

→ `$_REQUEST` is a PHP super global variable which is used to collect data after submitting an HTML form

→ `$_POST` is a PHP super global variable which is used to collect form data after submitting on HTML form with method = "post". `$_POST` is also widely used as pass variable

→ `$_GET` is a PHP super global variable which is used to collect form data after submitting on HTML form with method "GET"

Name - Navveera  
Course - BCA 2<sup>nd</sup> Sem 1<sup>st</sup> year  
enrollment no. - 01217002022

what is array? explain two dimension array?

An array is a collection of similar data items stored in contiguous memory locations. Array are used to store multiply values of the same data-type, which can be access individual element within an array.

A 2-D array is also known as Matrix. 2-D array is a array in which each element is also an array. it is a collection of element of same data type arranged in rows & column.

Syntax

data-type array-name [row-size] [col-size]

ex

```
int a[3][4];  
char b[4][6];
```

intializes 2-D array

```
int a[3][4] = {  
    {1, 3, 5, 6},  
    {7, 4, 2, 6},  
    {3, 3, 3, 3},  
}
```

To access the element of 2-D array we need to specify both rows & column.

```
int element = a[1][4];
```

32 Explain bubble sort with example

2 Bubble sort is a simple sorting algorithm that repeatedly steps through the list compare adjacent element and swap if they are in the wrong order

```
#include <stdio.h>
```

```
void bubble sort (int arr [], int n) {  
    int i, j, temp;  
    for (i = 0; i < n - 1; i++) {  
        for (j = 0; j < n - i; j++) {  
            if (arr[j] > arr[j + 1]) {  
                temp = arr[j];  
                arr[j] = arr[j + 1];  
                arr[j + 1] = temp;  
            }  
        }  
    }  
}  
  
int main () {  
    int arr [5] = {6, 2, 4, 8, 1};  
    int n = 5;  
    bubble sort (arr [], n);  
    return 0;  
}
```

it will sort the array :- 1, 2, 4, 6, 8

Q3 What are the two type of hashing techniques used for collision

In hashing, collision resolution techniques are used to handle the situation when two or more keys are hashed to the same index of the hash table.

1) Open addressing :- In this technique if collision occurred we look for the other or next empty slot. There are three types

1) Linear :- In this method, we search for the next available slot frequently

2) Quadratic : we search for next available slot by increment the hash index using a quadratic function  $(i+1)^2, (i+2)^2, (i+3)^2, \dots$  until we get.

3) Double hashing : we use a second hash function to calculate the next hash value to check

$$i + (\text{hash}_2(\text{key}) \bmod \text{table size})$$

2) Separate chaining :- When hash value collision occurs a linked list is generated where all store at one place

Q4. what are the differences b/w static & dynamic memory allocation?

Static

Memory allocates during compile time

Memory allocation can't be changed

Saves running time as it is fast

static allocation allots memory from the stack

static memory allocation specified in an array

Dynamic

→ Memory allocates during execution or run time

→ Memory allocation can be changed

→ slower than static allocation

→ allots memory from heap

→ Dynamic memory allocation is preferred in linked list

what is circular doubly linked list? explain insertion operation at end in circular doubly linked list?

A circular doubly linked list is a list where each node has two pointers, one pointing to previous and one to next node creating a circular structure.

To perform an insertion operation at the end we need to follow the steps!

1) Create a new node with the data to be inserted

- 2) check if the list is empty it is set both the prev, next to point itself.
- 3) If the list is not empty tranverse the list until we reach the starting.
- 4) Set the next pointer of the last node to point new node. new node prev to point last node

example

```
typedef struct node {
    int data;
    struct node *prev;
    struct node *next;
} node;
```

```
Node *insert End(Node *head, int data) {
    Node *new node = (node*) malloc (sizeof Node);
```

```
newNode->data = data;
if (head == Null) {
    head = New Node;
    head->prev = head;
    head->Next = head;
```

```
else {
    Node *lastNode = head->prev;
    lastNode->next = new node;
    new node->prev = lastNode;
    new node->next = head;
    head->prev = new Node;
```

```
return head;
}
```

}

## Assignment - II

## ACADEMIC SESSION: 2022-23

## Discrete Mathematics

Well done

A

## UNIT III

1) What do you mean by poset?

A set with partial order is called a partially ordered set (also called a poset)

It is represent in the form  $(P, \leq)$  where  $P$  is a set and  $\leq$  defines relation.

2) What do you mean by lattice?

A poset  $(S, R)$  is called lattice if every elements of poset  $S$  have greatest lower bound (GLB/ $\wedge$ /meet) and lowest upper bound (LUB/ $\vee$ /join) then this poset is called lattice.

$$\forall x, y \in S \ \& \ \text{GLB}(x, y) \neq 0$$

$$\forall x, y \in S \ \& \ \text{LUB}(x, y) \neq 0$$

3) Draw the hasse diagram of  $(D_{12}, |)$ .

$$A = \{1, 2, 3, 4, 6, 12\}$$

$$R = \{(1,1) (1,2) (1,3) (1,4) (1,6) (1,12)$$

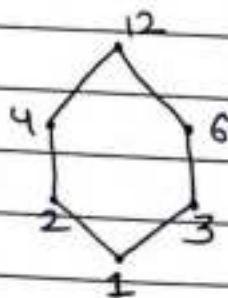
$$(2,2) (2,4) (2,6) (2,12)$$

$$(3,3) (3,6) (3,12)$$

$$(4,4) (4,12)$$

$$(6,6) (6,12)$$

$$(12,12)\}$$



Minimal :- 1

Maximal :- 12



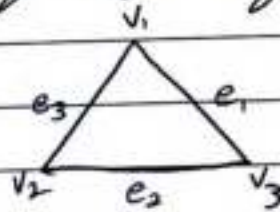
## UNIT IV

- 1) What do you mean graph?  
A graph is denoted by  $G$ .

$$G = (V, E)$$

graph    Vertices    Edges

A graph  $(G = (V, E))$  consists of a non-empty set  $V = (V_1, V_2, V_3, \dots, V_n)$  called set of nodes/vertices of graph and set  $E = (E_1, E_2, E_3, \dots, E_n)$  called set of set of edges of graph.



- 2) Define the degree of vertex in graph.  
The number of edges incident to a vertex  $v$  is called the degree of the vertex and is denoted by  $\text{deg. deg}(v)$ .

- 3) Define the handshaking theorem for directed graph.  
The sum of indegree of all vertices is always equal to the sum of outdegree of all vertices or No. of edges.

$$\sum_{i=1}^n d^-(v_i) = \sum_{i=1}^m d^+(v_m) = \text{No. of edges.}$$

4) Write the properties of bounded lattice.  
 A lattice which has both least element and greatest element exist is called bounded lattice.  
 It is denoted by 0 and 1 respectively. least element is denoted by 0 (0) and greatest element is denoted by 1 (1).

There are some properties of bounded lattice :-

- ①  $a \leq a \leq 1$
- ②  $a \vee 1 = 1$
- ③  $a \wedge 1 = a$
- ④  $a \vee 0 = a$
- ⑤  $a \wedge 0 = 0$

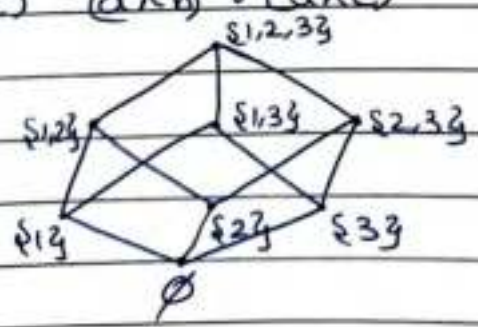
Q2 Descriptive one.  
**UNIT III**

1) What do you mean by distributive lattice? Draw the lattice of  $(P(A), \subseteq)$  where  $A = \{1, 2, 3\}$  and show that it is distributive or not.

In the distributive lattice an element should have only one complement, if exist.

A lattice  $L$  is set to be distributive lattice, if for  $\forall a, b, c \in L$ .

- ①  $a \vee (b \wedge c) = (a \vee b) \wedge (a \vee c)$
- ②  $a \wedge (b \vee c) = (a \wedge b) \vee (a \wedge c)$



Yes, it is a distributive lattice because  $\{2\}^c = \{1,3\}$   
 $\{1\}^c = \{2,3\}$   
 $\{3\}^c = \{1,2\}$

# Assignments

Subject Code	Subject	Remarks
102	Print Journalism	Sheet
106	Still Photography	Sheet
104	Media Law & Ethics	Sheet
103	Health Journalism	Sheet

Submitted By	ANSEW JOY KALLUKALAM
Name	ANSEW JOY KALLUKALAM
Enrollment No.	07617002421
Class	BA (JMC)
Semester	2
Division	A
Shift	1 (Morning)



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# ASSIGNMENT-1

## HEALTH COMMUNICATION

### UNIT-1

Good

Define role and importance of yoga in Public Health

The word 'YOGA' originates from Sanskrit and means "to join, to unite or yoke together". It brings the body and mind together to become a harmonious experience. Yoga is a method of learning that aims at balance mind, Body and Spirit. Yoga is a practice with historical origins in Ancient Indian Philosophy.

The first to write a compendium (compilation) on yoga was sage Patanjali who is believed to live in 200 B.C or earlier. This work of sage Patanjali known as - YOGA SUTRAS OR SUTRA DARSHAN which is regarded as the most precise and scientific fact ever written on yoga. They discovered the laws of material and spiritual realms and gained an insight into the connections within the universe.

### # Importance of Yoga →

A human is a mental, Physical and spiritual being and yoga helps promote a balance development of all three. Other forms of physical exercise, such as aerobics, guarantees only physical well being. They have very little to do with the development of the spiritual or planetary body.

# Unit - 2

Q1 What is health Journalism? Discuss the role and responsibilities of health Journalist.

Health Journalism It is news reporting (as opposed to peer-reviewed publication) of medical news and features. Health journalism is diverse and reflects its audience. The main division is into →

- ① medical journalism for general public, which includes medical coverage in general news publications and in specialty medical publications.
- ② Health journalism for doctors and other professionals which often appears in peer-reviewed journals.

The accuracy of medical journalism varies widely. Reviews of mass media publications have graded most stories unsatisfactorily, although there were examples of excellence.

## Role And Responsibilities

- Gather data and information related to a subject and review it to gain a complete understanding of the subject matter.
- Reporting on health topics requires a large number of abilities beyond basic reporting skills
- Travel to different locations to research, investigate and gain information
- Attend conferences, conventions and gatherings of professionals in the field.

Define : a) Structure of Health Reporting  
b) Online Health Reporting

# Health Reporting → Need to simplify scientific facts for readers sometimes, conflicts with complex nature of science. A group of researchers have been developing algorithmic tools for science journalists to contextualize their stories. Science Surveys, a project led by Columbia & Stanford scholars. Specialization of science makes it difficult for journalists to keep up with the changes.

# Online Health Reporting → Every medium has their news so online for the reasons  
used: Interested users who want information fast and the slower speed of reading online. Since the same basic function on the web as it is in print, to communicate information and attract readers.

## UNIT-3

Discuss about the health reporting & their ethics.

- # Responsibility → The primary purpose of gathering and distributing the news and opinion is to serve the general welfare by informing the people.
- # Freedom of Press → The freedom of press belongs to the people. It must be defended against encroachment or assault from any quarter, public or private.
- # Independence → Reporters must avoid impropriety and the appearance of impropriety as well as any conflict of interest or the appearance of conflict.
- # Truth & Accuracy → Good faith with the reader is the foundation of good journalism. Every effort must be made to assure that the news content is accurate.
- # Fair Play → Journalists should respect the right of people involved in the news, where the common standards of decency and stand accountable to the public for fairness.

# Assignments

Subject Code	Subject	Remarks
351	Basics of New Media	Am (A)
353	Media Research	Chand (A)
355	Event Management	Soni (A)
554	Digital Marketing	Priya (A)

Submitted By	Himanshi Tuli
Name	Himanshi Tuli
Enrollment No.	07421302419
Class	BASMC
Semester	5th
Division	B
Shift	II



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## Assignment-1

### Basics of New Media

#### Long Questions :-

*Correct*

Ans-1

Write in detail about social Media and its significance in 21st century.

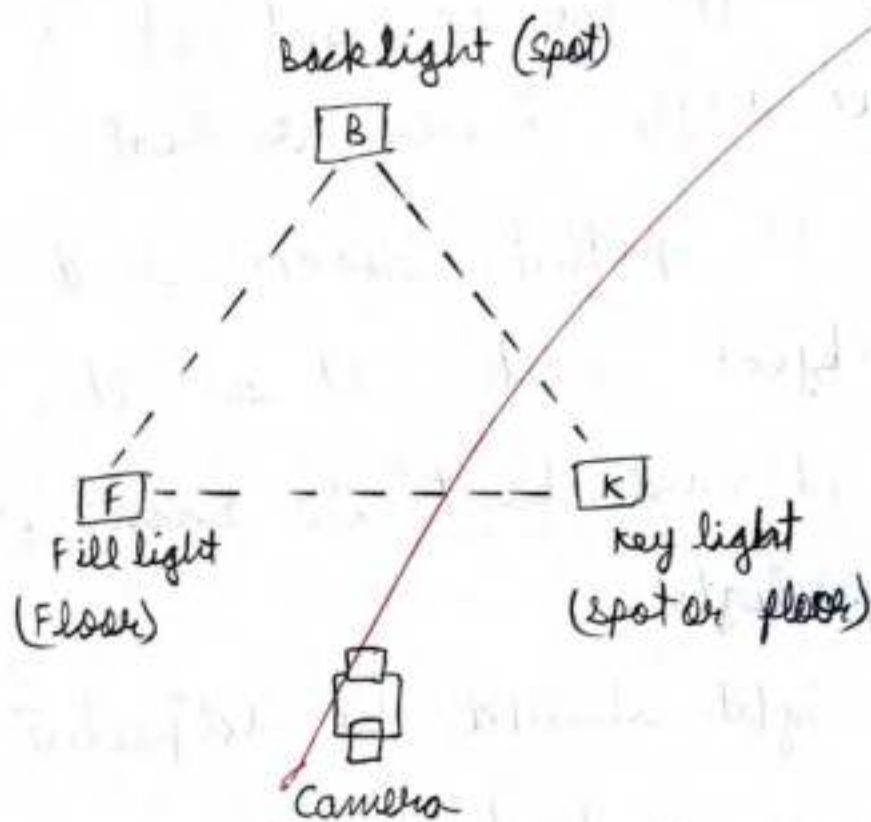
Ans-

What is social media :-

The term social media refers to a computer based technology that facilitates the sharing of ideas, thoughts and information through virtual networks and communities. Social media is 'Internet based' and gives users quick electronic communication of content, such as personal information, documents, videos and photos. Users engage with social media via a computer tablet or smartphone.

## Triangle lighting -

It consists of three light sources: key light, back light and fill light. The arrangement is lighting triangle.



This is the basic lighting technique used in studio with key light, fill light and back light and a camera and is called three key lighting technique.

## Assignment - 1

Ques - 1 Define event. Discuss various types of event.

Ans - Event can be describe as occurrences designed to communicate particular messages to target audience.

Various types of events are :-

- (i) Family event - Family event are those where family members, relatives, friends join together to celebrate an occasion.
- (ii) community event - these are event those where members of a ~~so~~ particular community get together to celebrate occasions.
- (iii) Business events - these are those events where professionals from one particular area get together to celebrate an occasion.

Ques - 1) What does the word e-commerce mean?

Ans - E-commerce is the buying and selling of goods and services via the internet and the transfer of money and data to complete the sales.

Types of e-commerce models are:-

(i) Business to consumers (B2C) - B2C.

e-commerce is the most popular e-commerce model. It means that the sales is taking place b/w a business and a consumer.

(ii) Business to Business (B2B) → It refers to a business selling a good or service to another business, like a manufacturer and wholesaler, or a wholesaler to a retailer.

# Assignments

Subject Code	Subject	Remarks
108	Health Journalism	Gopal
106	Still Photography	Hajin
102	Print Journalism	Sheel
104	MLP	<del>Shree</del> Shree

Submitted By	Anushka Tomar
Name	Anushka Tomar
Enrollment No.	06917002421
Class	BA(JMC)
Semester	Second
Division	'A'
Shift	Morning



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## Unit-1

## Long Questions (Approx 500 - 600 words)

Define role and importance of Yoga in Public Health?

The word 'Yoga' originates from Sanskrit and means "to join, to unite or to be together".

It brings the body and mind together to become a harmonious experience. Yoga is a method of learning that aims at balancing "Mind, Body and Spirit". Yoga is a practice with historical origins in ancient Indian Philosophy.

The exercises performed through Yoga recharge the body with Cosmic energy, which facilitates.

- Accomplishment of ideal equilibrium and harmony.
- Promotes self healing.
- Takes out negative blocks from the mind and toxins from the body.
- Increases personal power and self awareness.
- Helps in attention, focus and concentration, especially important for children.
- Reduces stress and tension in the physical body by activating the parasympathetic nervous system.
- Yoga for better relationships.

Name → Anushka

Enrollment no - 06917002421

Assignment - 2

Health Communication

BA(JMC); Division - A

Paper Code - 108

Unit-3

Long Questions.

Discuss about Health reporting and their ethics.  
When it comes to health news - sober, reliable and expert reporting can be hard to find. As newsrooms cut numbers and reduce the time available to spend writing health, there is often a rush to produce pre-packaged stories, using wire services or relying on press releases as the primary - and often a rush to produce pre-packaged stories, using wire services or relying on press releases as the primary - and often only - sources of research news. Most people learns of medical progress through the media. Whether through short clips on radio or TV or detailed articles in the press, scarcely a day passes without a report of a health development, and how it might affect you.

Ethics

Responsibility → The primary purpose of gathering and distributing news and opinions is to serve the general welfare by informing the people.

# TECNIA INSTITUTE OF ADVANCED STUDIES

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Assignment-III

Academic Session: 2021-22

Program: BAJMC Shift: Morning

Semester: 2<sup>nd</sup>

Div: A & B

Paper Code: 108

Paper: Health Communication

*Dr. Anshu Jaiswal*  
D.A.S.T.M.G.  
P.O.-11

Unit-I

S.No.	Questions (MCQ/One Liner)	Choices				Answer
		(A)	(B)	(C)	(D)	
Q-1	Public health promotes	Healthy lifestyle	Researching disease	Injury prevention	A, B and C are true	D
Q-2	Public health professionals try to prevent problems from happening or recurring through	Implementing educational programs	Recommending policies	Both A & B are true	Don't know	E
Q-3	Public health involves the application of	Different science disciplines	Don't know	Both A & B are true	Both A & B are false	D
Q-4	Global campaigns of health raises	Symptoms and treatment options	Injustice	Don't know	A, B and C are true	D
Q-5	Health awareness plays a key role	In improving road infrastructure	In our approach to improving access to health care	Don't know	Both A & B are true	C
Q-6	Educational health campaign will always help	To improve cultural position	To improve health practices in society	Both A & B are true	Don't know	D
Q-7	Yoga is	Don't know	Justified solution	To keep the mind balance in all variations of life	A, B and C are true	D
Q-8	Yoga improves	Strength	Balance	Back pain relief	A, B and C are true	B
Q-9	The reason behind India as a famous health tourism destination	It offers communication channel	It provides development framework	Don't know	It provides low cost and high qualities care	B-
Q-10	Swatch Bharat Mission ensures	Eradication of open defecation	Don't know	Both A & B are true	Active voices	

Unit-II

S.No.	Questions (MCQ/One Liner)	Choices				Answer
		(A)	(B)	(C)	(D)	



# Assignments

Subject Code	Subject	Remarks
201	Development Communication	★
203	Basics of Radio Programming and Production.	May 3
205	Basics of Video Camera, Light & Sound.	AnsP 21/01/23 5
207	Radio Jockeying & News Reading.	May 3

<b>Submitted By</b>	Mahek Sancheti
<b>Name</b>	Mahek Sancheti
<b>Enrollment No.</b>	01821302421
<b>Class</b>	BA(JMC)
<b>Semester</b>	3 <sup>rd</sup>
<b>Division</b>	A
<b>Shift</b>	II <sup>nd</sup> [Evening]



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# Assignments

Subject Code	Subject	Remarks
201	Development Communication	A
203	Basics of Radio Programming and Production.	May 3
205	Basics of Video Camera, Light & Sound.	Am 8/21/01/23 S
207	Radio Jockeying & News Reading.	May 3

Submitted By	Mahek Sancheti
Name	Mahek Sancheti
Enrollment No.	01821302421
Class	BA(JMC)
Semester	3 <sup>rd</sup>
Division	A
Shift	II <sup>nd</sup> [Evening]



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Assignment - 1Unit - 110 questions (approx 600-700 words)

What do you understand by term diffusion of innovation? Discuss on the approach of development in detail.

Diffusion of innovation theory, developed by EM. Rogers in 1962, is one of the oldest social science theories. It originated in communication to explain how, over time, an idea or product gains momentum diffuses through a specific population or social system, the end result of this diffusion is that people, as part of a social system adopt a new idea, behaviour or product.

Adoption means that a person does something differently than what they had previously. The key to adoption is that the person must perceive the idea, behaviour, or product as new or innovative. It is through this diffusion is possible.

In this theory, communicators in society within messages influence / encourage people that have strong opinions through the medium of media to influence the masses. It explains the rate at which consumers will adopt a new product or service. Therefore, the theory helps marketers understand how trends.

# Development Communication

## Assignment-2

Q) NIT-3

### Long Questions

Yves

1. Explain the role & functions of NGO in Development Communication.

Ans 1. Social Development

NGO plays an important role in global social development, work that has helped facilitate achievements in human development, work that has helped as measured by the UN.

2. Sustainable Community Development

NGOs have shown leadership in promoting sustainable community development. Due to their particular ideology and nature, NGOs are good at reaching out to the poor and remote community and these population,

# TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC ACCREDITED GRADE "A" INSTITUTE

Assignment-III

Academic Session: 2022-23

Program: BAJMC Shift: 1<sup>st</sup> Semester: 3<sup>rd</sup>

Div: B

Paper Code: 201

Paper: Development Communication

Unit-I

S.No. Questions (MCQ/One Liner)

(A)

(B)

(C)

(D)

Answer \_\_\_\_\_

Q-1 Who is known as Pioneer in the discipline of Development Communication?

Mahatma Gandhi

Karl Marx

Nora Quebral

Wilbur Schramm

b

Q-2 GDP refers to

Great Domestic Product

Gross Domestic Product

Gross Democracy Product

Great Democracy Product

c

Q-3 Which one is not major indicator of HDI?

Life Expectancy

Education

Per Capital Income

Environment

a

Q-4 The concept of Happiness Index taken from which Nation?

INDIA

CHINA

BHUTAN

NEPAL

b

Q-5 The concept of Diffusion of Innovation was coined by?

EM Rogers

Wilbur Schramm

Daniel Lerner

Marshal McLuhan

d

Q-6 Pandharyai Raj based on the principle of

Centralization of power

De-centralization of power

Consolidation of power

Monarchy

c

Q-7 SITE is linked with which media?

CINEMA

RADIO

TELEVISION

NEWSPAPER

a

Q-8 KHEDA is located in

MAHARASTRA

RAJASTHAN

GUJARAT

HARYANA

b

Q-9 MNREGA provides

Education

Immunization

Employment

Pension

d

Q-10 The approved number of SDG's

15

17

20

25

a

Unit-II

S.No. Questions (MCQ/One Liner)

(A)

(B)

(C)

(D)

Answer \_\_\_\_\_

Q-1 Rostow's stages of growth model tell about which growth?

Political Growth

Social Growth

Economic Growth

Cultural Growth

b

Q-2 World Systems Theory was developed by

J. Habermas

Immanuel Wallerstein

A Gramsci

Herald Lasswell

c

# Basics of Radio Programming and Production

BA(JMC)

CODE-203

## Assignment-1

### UNIT-1

#### Long questions.

1. What are the strengths and limitations of radio?

Ans

Radio is the technology of signaling and communicating using radio waves. Radio waves are electromagnetic waves of frequency between 30 hertz & 300 gigahertz. ~~They~~

Strengths of radio are:-

1. **Selectivity**:- Radio offers a serious level of selectivity through geographic inclusion by countless stations and different program designs:
2. **Cost-effectiveness**:- Cost ~~effective~~ benefits are very huge with radio as a publicizing medium. Radio time cost undeniably not as much as TV and the ads are very cheap to create.
3. **Adaptability**:- Among everyone of the media, like radio is the most adaptable as it has a short shutting period.

# Basics of Video Camera, Lights, and Sound...

## Assignment-1

### UNIT-1

#### Long questions

1. Describe the video camera and its various parts.

Ans A video camera is the centre piece of your video production. A video camera is a camera used for electronic motion picture acquisition (as opposed to a movie camera, which records images on film), initially developed for the television industry but now common in other applications as well. A video camera is a camera used to make electronic motion pictures. It captures moving images and synchronous sound.

Early video cameras were all analog and most modern ones are digital. Analog video cameras produce signals that can be displayed with analog televisions. The signals can be shown at the time, or can be stored in an analog format on magnetic tape. Digital video cameras produce digital images.

#### Parts of video camera :-

1. Lens :-

The lens on a video camera serves as the same function as a still camera's lens. It draws in light and captures the image at which the camera points. This telescopic piece can have multiple lenses within it. A number of dials on the tube will shift the lens position by turning them

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Assignment-3

Academic Session: 2021-22

Program: BA(JMC)

Semester: 2<sup>nd</sup>

Shift: 1<sup>st</sup>

Paper Code: 207

Ques1. Who started radio broadcasting in 1896 with invention?

1. Oliver Lodge

~~3.~~ G. Marconi

2. Alexander Popov

4. None of these

Ques2. Another name of "All India Radio", which is controlled by the Ministry of Information and Broadcasting.

1. Yuvavani

3. Gyanvani

~~2.~~ Akashvani

4. Vivid bharti

Ques3. Which type of radio service, offer a third model of radio broadcasting beyond commercial and public service.

1. Community Radio

3. National Radio

2. Akashvani

~~4.~~ Local Radio

Ques4. Name the first campus community radio run by students of college

~~1.~~ Alaam aara Fm

3. Anna Fm

2. Vayu Fm

4. Yuva Fm

Ques5. Which among these is not the Transmission Technology?

1. FM

~~3.~~ AM

2. WM

4. Web

Ques6. What is the range of short wave radio spectrum frequency?

~~1.~~ 1 to 10 megahertz

3. 4 to 40 megahertz

2. 2 to 20 megahertz

4. 3 to 30 megahertz