C-23 CBD-401 Data Warehousing and Data Mining

Model Blue Print:

S.No.	Chapter/Unit title	No.of periods	Weightage Allocatd	Marks Wise Distribution of Weightage			Question wise Distribution of Weightage			CO's Mapped
				R	U	Ap	R	U	Ap	
1.	Data Warehouse Basic concepts	10	16	3	3	10	1	2		CO1
2.	Data Warehouse Modelling, Design and Usage	10	21	6	10	5	1	2	1/2	CO2
3.	Introduction to Data Mining	15	26	6	10	10	1	2	1	CO3
4.	Understanding Data and Data Pre-processing	15	26	6	10	10	1	2	1	CO4
5.	Data Mining Techniques	10	21	6	10	5	1	2	1/2	CO5
	Total	60	110	27	43	40	5	10	3	

Table specifying the scope of syllabus to be covered for unit tests

Unit Test	Learning outcomes to be covered
Unit test-1	From 1.1 to 3.4
Unit test-2	From 3.5 to 5.5

DIPLOMA IN CLOUD COMPUTING & BIG DATA ENGINEERING
MODEL PAPER
Data Warehousing and Data Mining
UNIT TEST-1

SCHEME: C-20   SUBJ CODE: CBD-401
MAX MARKS: 40   TIME: 90Minutes
…….

PART-A   **16Marks**

Instructions:1) Answer all questions
2) First question carries 4marks, and each question of remaining carries 3marks

1. a) Data Cleaning detects errors in data(True/False)   (CO1)

   b) _____ is data about data   (CO1)

   c) KDD Stands for_____   (CO3)

   d) _____ is a subject-oriented, integrated, time-variant, non-volatile collection of data

   in support of management decisions.

   A. Data Mining. B. Data Warehousing. C. Web Mining. D. Text Mining   (CO1)

2. Define the term Data warehouse.   (CO1)
3. List three kinds of Data warehouse applications.   (CO2)
4. List three typical OLAP operations.   (CO2)
5. Define the term Data Mining.   (CO3)

<div align="center">PART-B   3X8=24Marks</div>

Instructions:1) Answer all questions
          2)Each question carries 8 Marks
          3)Answer should be comprehensive and the criterion for valuation is the content
          but not the length of the answer

6. a) Explain the architecture of a Multi-tiered Data warehouse.   (CO1)

<div align="center">Or</div>

   b) Explain about any four differences between operational database systems and

   data warehouses.   (CO1)

7. a) Explain any three Multi-dimensional data models schemas.   (CO2)

<div align="center">Or</div>

   b) Describe Data Warehouse design process.   (CO2)

8. a) Write about Data warehouse usage for information processing.   (CO2)

<div align="center">Or</div>

   b) Explain any three kinds of patterns that can be mined.   (CO3)

BOARD DIPLOMA EXAMINATION
DIPLOMA IN CLOUD COMPUTING & BIG DATA ENGINEERING
MODEL PAPER – END EXAMINATION
Data Warehousing and Data Mining

SCHEME: C-20   SUBJ CODE: CBD-401
MAX MARKS: 80   TIME: 3HOURS
………..

PART-A   **10X3=30Marks**

Note: Answer all questions

1. Define the term Data Warehousing.   (CO1)
2. List any three schemas for multi dimensional data models.   (CO1)
3. What is distributive measure in data warehousing.   (CO2)
4. Write any three differences between OLTP and OLAP.   (CO2)
5. List any three kinds of patterns that can be mined.   (CO3)
6. List any three statistical measures to measure central tendency of data.   (CO3)
7. What is the purpose of pixel oriented visualization technique?   (CO4)
8. List any three techniques for measuring dissimilarity of numeric data.   (CO4)
9. What is Cluster Analysis   (CO5)
10. Where do we use decision tree induction technique?   (CO5)

PART-B

Note: Answer any five questions   **5x8=40Marks**

11. Explain multi tiered architecture of a data warehouse.   (CO1)
12. Explain any four OLAP operations   (CO2)
13. Explain any three kinds of data that can be mined   (CO3)
14. Explain any four major issues in Data Mining   (CO3)

15. Explain the steps involved in data pre-processing   (CO4)

16. Explain the following attribute types   (CO4)
        i) Nominal ii) Binary iii)Ordinal iv) interval scaled
17. Write about data matrix and dissimilarity matrix   (C05)
18.   a) Describe Data Warehouse design process   (CO2)
        b) Explain Frequent Item-set mining method.   (CO5)

C-23 CBD-402 Web Technologies

Model Blue Print:

S.No.	Chapter/ Unit title	No.of periods	Weightage Allocatd	Marks Wise Distribution of Weightage			Question wise Distribution of Weightage			CO's Mapped
				R	U	Ap	R	U	Ap	
1	Principles of Web Designing and HTML Introduction.	11	21	6	10	5	2	1	½	CO1
2	Understand various HTML tags and usage of style sheets.	14	21	6	5	10	2	½	1	CO2
3	Understand XML and Client side scripting using Java Script.	18	26	6	10	10	2	1	1	CO2
4	JQuery	10	13	3	10	-	1	1		CO3
5	Web servers and Server side scripting using PHP	22	29	9	10	10	3	1	1	CO4
	Total	75	110	30	45	35	10	4½	3½	

DIPLOMA IN **DIPLOMA IN CLOUD COMPUTING AND BIGDATA ENGINEERING**

MODEL PAPER
Web Technologies

UNIT TEST-1
SCHEME: C-23   SUBJ CODE:CBD-402
MAX MARKS:40   TIME: 90 MINUTES

_____

PART-A   16Marks
Instructions:1) Answer all questions
        2) First question carries 4marks, and remaining carries 3marks each.

1. a) the external Java script file must contains <script> tag (True/False)   (CO3)
    b) --------------------is used to choose the client-side java script object.   (CO2)
    c) Which selector selects the element that is the target of a referring URI [   ] (CO1)
i) :target   ii) :selection   iii) :: selection iv) :URI
    d) Which one of the following does not belongs to table tag   [   ]   (CO1)
i) <tr>   ii)<td>   iii) <tbody>   iv) <th>
2. Write different steps involved in launching a website.   (CO1)
3. Write any four formatting tags.   (CO2)
4. List the application of XML.   (CO2)
5. What is the significance of Namespace?   (CO2)
                              PART-B
                                      3X8=24Marks
Instructions:1) Answer all questions
            2) Each question carries 8 Marks
            3) Answer should be comprehensive and the criterion for valuation
              is the content but not the length of the answer
6. a) Explain List tags with an example.   (CO1)
            Or
    b) Write about any five table tags with example.   (CO2)
7. a) Explain different Form tags with example.   (CO2)
            Or
    b) Explain any five Box properties with sample code.   (CO3)
8. a) Explain Math , String   and Date objects in Java scripts   (CO3)
            Or
    b) Describe how to define and call functions in java scripts.   (CO2)

BOARD DIPLOMA EXAMINATIONS
DIPLOMA IN CLOUD COMPUTING & BIG DATA ENGINEERING
MODEL PAPER – YEAR END EXAMINATION
WEB TECHNOLOGIES

SCHEME: C-20   SUBJ CODE:CBD-402
MAX MARKS:80   TIME: 3HOURS

....

PART-A   3×10=30

Instructions: 1) Answer all questions
        2) Each question carries three marks.
            3) Answers should be brief and straight to the point and shall not exceed five simple   sentences.

1.	Write the steps to launch a web site.	(C01)
2.	Describe the following tags.	(C01)
a)	<strong> (b)<cite> (c) <ins>	
3.	Write any 3 attributes of <a>.	(C02)
4.	What is the purpose of CSS?	(CO1)
5.	List the various applications of XML.	(CO2)
6.	Write a JavaScript program to print the message.	(CO2)
7.	Write any three plug-ins .	(CO3)
8.	List any 3 features of JQuery.	(CO3)
9.	What is the difference between GET and POST methods ?	(CO4)
10.	Define Cookie.	(CO4)

PART-B   5×10=50

 Instructions: 1) Answer any five questions
2) Each question carries ten marks.
3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11.	Explain various formatting tags in HTML.	(CO1)
12.	(a)Explain various Table tags with attributes.	(C01)
	(b)Explain different types of CSS.	(C02)
13.	Design a student registration form using form elements.	(C02)

14. Explain the rules for designing XML document. Write an Example XML document.
                                                    (C02)
15. Explain Properties and methods of XML Http Request Object.   (C02)

16. Explain jQuery Selectors with example.   (C03)
17. Explain any 5 String function in PHP with syntax and example.   (C04)
18. Explain how to pass data from one web page to other web page using query string.   (CO4)

C-23 CBD-403 Operating Systems & Computer Organization

Model blue print:

S.No.	Chapter/Unit title	No.of periods	Weightage Allocated	Marks Wise Distribution of Weightage			Question wise Distribution of Weightage			CO's Mapped
				R	U	Ap	R	U	Ap	
1.	Introduction to operating systems & process management	10	26	3	13	10	2	2		CO1,CO3
2.	Memory management & Disk scheduling	15	26	6	10	10	2	2		CO1,CO2
3	Information representation & CPU Organization	12	26	6	10	10	2	2		CO1,CO2,CO3
4.	Memory Organization	13	16	3	13	-	2	1		CO2,CO4
5.	I/O Organization	10	16	3	13	-	2	1		CO3,CO4,CO5
	TOTAL	60	110	21	59	30	10	8		

Table specifying the scope of syllabus to be covered for unit tests

Unit Test	Learning outcomes to be covered
Unit test-1	From 1.1 to 2.2
Unit test-2	From 3.1 to 5.11

DIPLOMA IN CLOUD COMPUTING & BIG DATA ENGINEERING
MODEL PAPER
OPERATING SYSTEMS & COMPUTER ORGANIZATION
UNIT TEST-1

SCHEME: C-20   SUBJ CODE: CBD-403
MAX MARKS:40   TIME: 90Minutes

……………………………………………………………………………………………

PART-A   **16Marks**

Instructions:1) Answer all questions
                              2) First question carries 4marks, and each question of remaining carries
              3marks
1. a) Operating System is hardware component (True/False)   (CO1)
b) In -------------------process state cpu is involved[ ]   (CO1)
i) ready ii)new iii) running iv) exit
c) virtual memory is implemented by---------------------paging   (CO2)
d) which page replacement algorithm gives minimum page faults ----------------- ----------------- (CO2)
2) Draw Process state diagram.   (CO1)
3) State fragmentation   (CO2)
4) Define seek time and latency delay   (CO2)
5) what is belady's anamoly   (CO2)

                              PART-B   3X8=24Marks
          Instructions: 1) Answer all questions
                  2)Each question carries 8 Marks
                  3)Answer should be comprehensive and the criterion for valuation is the content but not
                      the length of the answer
6. a) Explain various operating system services.   (CO1)
                                        Or
   b) Differentiate Distributed and Real-time systems.   (CO1)

7. a) Explain single partition and multiple partition.   (CO2)
                                        Or
b) Explain segmentation with neat diagram   (CO2)

8. a) Explain virtual memory concept.   (CO2)
                                        Or
b) List and explain disk scheduling algorithms.   (CO2)

BOARD DIPLOMA EXAMINATIONS
DIPLOMA IN CLOUD COMPUTING & BIG DATA ENGINEERING
MODEL PAPER – END EXAMINATION
OPERATING SYSTEMS & COMPUTER ORGANIZATION

SCHEME: C-20   SUBJ CODE: CBD-403
MAX MARKS: 80   TIME: 3HOURS
………

PART-A   10X3=30Marks

Note: Answer all questions

1.	Define Operating system	(CO1)
2.	List any three types of system calls	(CO1)
3.	Define Semaphore	(CO2
4.	What is disk scheduling?	(CO2)
5.	What is Accumulator and program counter?	(CO3)
6.	Define opcode , operand and address.	(CO3)
7.	State the need for memory hierarchy in a computer	(CO4)
8.	State the principle of locality of reference	(CO4)
9.	List modes of date transfer	(CO5)
10.	List the four bus systems	(CO5)

PART-B   5x10=50Marks

Instructions
1) Answer any five questions
2) Each question carries ten marks.
3) Answers should be comprehensive and the criterion for valuation is the content but not the
            length of the answer.

11.	Differentiate multiprogramming and time sharing.	(CO1)
12.	Draw and explain process state diagram.	(CO1)
13.	Explain paging concept.	(CO2)
14.	Explain Disk scheduling algorithms.	(CO2)
15.	Explain the stored program concept?	(CO3)
16.	State the significance of various memory device characteristics: access time, access rate, alterability, permanence of storage, cycle time.	(CO3)
17.	Explain virtual address and physical address organization?	(CO4)
18.	Explain hand shaking procedure of data transfer in detail?	(CO5)

C-23 CBD-404 Python Programming

Model Blue Print:

S.No.	Chapter/Unit title	No.of periods	Weightage Allocatd	Marks Wise Distribution of Weightage				Question wise Distribution of Weightage				CO's Mapped
				R	U	Ap	An	R	U	Ap	An	
1	Python Programming Introduction	10	26	6	20			2	2			CO1
2	Standard Data Types and Control Flow	15	13	3		10		1		1		CO2
3	Data Structures	15	26	6		20		2		2		CO3
4	Functions	15	26	6		20		2		2		CO4
5	Object Oriented Programming in Python and File Handling and Exception Handling	20	19	9		10		**3**		1		CO5
	Total	75	110	30	20	60		10	2	6		

Table specifying the scope of syllabus to be covered for unit tests

Unit Test	Learning outcomes to be covered
Unit test-1	From 1.1 to 3.7
Unit test-2	From 3.8 to 5.9

DIPLOMA IN CLOUD COMPUTING AND BIGDATA ENGINEERING
MODEL PAPER
Python Programming
UNIT TEST-1

SCHEME: C-23   SUBJ CODE: CBD-404
MAX MARKS: 40   TIME: 90Minutes

……….

PART-A   **16Marks**

Instructions:1) Answer all questions
                            2) First question carries 4marks, and each question of remaining
                carries 3marks

1. a) Mathematical operations can be performed on a string.(True/False)   (CO1)

b) _____ has the highest precedence in the expression.   (CO1)

c)~4 evaluate to _____   (CO1,CO2)

d) What is the output when we execute list("hello")?

i) ['h', 'e', 'l', 'l', 'o']

ii) ['hello']

iii) ['llo']

iv) ['olleh']   (CO3)

2. List features of Python.   (CO1)
3. Write the rules for choosing names of variables.   (CO1)
4) What are the different operations that can be performed on a list?   (CO3)
5)write about if statement with an example.   (CO2)

PART-B   3X8=24Marks
Instructions:1) Answer all questions
                2) Each question carries 8 Marks
                3) Answer should be comprehensive and the criterion for valuation is the content
                        but not the length of the answer

6. a) Explain about the need for learning python programming and its importance.   (CO1)

Or

   b) Explain the basics for executing a python program using REPL(Shell) with an example.(CO1)

7. a) What are the different loop control statements available in python? Explain with suitable examples.

(CO2)

Or

   b) Write in brief about Tuple in python. Write operations with suitable examples.   (CO3)

8. a)Write a python program that prints the intersection of two lists. (without using list
comprehensions/sets).   (CO3)

Or

   b) List and explain different arithmetic operators supported by Python. Discuss about their
precedence and associativity.   (CO1)

Python Programming

SCHEME: C-23   SUBJ CODE: CBD-404
MAX MARKS: 80   TIME: 3HOURS
....

PART-A   10X3=30Marks

Note: Answer all questions

1. Write in brief about the applications of Python.   CO1
2. List data types used in Python.   CO1
3. Demonstrate the use of continue in loop statement.   CO2
4. List different methods used in Python lists.   CO3
5. Write in brief about sets in Python.   CO3
6. List different types of arguments in Python.   CO4
7. Can a Python function return multiple values? If yes, how it works? CO4
8. List Object oriented features supported by Python.   CO5
9. List different modes in File opening.   CO5
10. Define Exception.   CO5

PART-B   5x10=50Marks

Instructions:
    1) Answer any five questions
    2) Each question carries ten marks.
    3) Answers should be comprehensive and the criterion for valuation is the content but not
    the length of the answer.
11. Explain about Python IDLE.   CO1
12. Explain about running Python scripts.   CO1
13. Explain different conditional control flow statements in Python with examples.   CO2

14. Explain in detail about dictionaries in Python.   CO3
15. Write in brief about Sequence operations with suitable examples in python .   CO3
16. Explain how to create a user defined exceptions.   CO4
17. What are the two ways of importing a module? Which one is more beneficial? Explain.CO4
18. Explain how to implement inheritance in Python.   CO5

C-23 CBD-405 DBMS

Model Blue Print:

S.No.	Chapter/ Unit title	No.of	Weighta ge	Marks Wise Distribution of Weightage			Question wise Distribution of Weightage			CO's Mapped
				R	U	Ap	R	U	Ap	
1	Concepts of DBMS & RDBMS	18	29	9	10	10	3	1	1	CO1
2	Concepts of SQL	22	26	6	20		2	2		CO2
3	Basics of PL/ SQL	15	26	6	20		2	2		CO3
4	Advance PL/SQL	10	16	6	10		2	1		CO4
5	Concepts of NoSQL&MongoDB.	10	13	3	10		1	1		CO5
	Total	75	110	30	70	10	10	7	1	

Table specifying the scope of syllabus to be covered for unit tests

Unit Test	Learning outcomes to be covered
Unit test-1	From 1.1 to 3.5
Unit test-2	From 3.6 to 5.2.5

DIPLOMA IN CLOUD COMPUTING AND BIGDATA ENGINEERING
MODEL PAPER
DBMS
UNIT TEST-1

SCHEME: C-23   SUBJ CODE:CBD-405
MAX MARKS:40   TIME: 90Minutes
……………………………………………………………………………………………………

PART-A   16Marks

Instructions:1) Answer all questions
            2) First question carries 4marks, and each question of remaining carries 3 marks

1. a) File system is more advantageous than DBMS.(True/False)   (CO1)
   b) Entity is defined as ……….   (CO1)
   c) Full form of DML is ………..   (CO1)
   d) Which one of the following is not a Database Language [   ]   (CO1)
       i) DML   II)DDL   III)TCL   IV)TLL
2) Define Instance & Schema.   (CO1)
3) List any three data types in SQL.   (CO2)
4) Write the syntax for CREATE command in SQL.   (CO2)
5) Differentiate CHAR and VARCHAR data types in SQL.   (CO2)

PART-B
3X8=24Marks
Instructions:1) Answer all questions
            2)Each question carries 8 Marks
            3)Answer should be comprehensive and the criterion for valuation is the content
                but not the length of the answer
6. a) Explain Database System Architecture   (CO1)
                    (Or)
   b) Explain Generalization, Specialization and Aggregation   (CO1)

7. a) Explain ER diagram with an example.   (CO1)
                    (Or)
   b) Explain TCL commands in SQL in detail.   (CO2)

8. a) Explain SELECT statement with syntax and example.   (CO3)
                    (Or)
   b) Explain Joins in SQL.   (CO3)

BOARD DIPLOMA EXAMINATIONS
DIPLOMA IN CLOUD COMPUTING AND BIGDATA ENGINEERING
MODEL PAPER - END EXAMINATION
DBMS

SCHEME: C-23   SUBJ CODE: CBD-405
MAX MARKS: 80   TIME: 3HOURS
....
                                   PART-A   **10x3=30M**

Instructions *:1.Answer **all** questions.*
*2.Each question carries **Three** marks.*
3.Answers should be brief and straight to the point and should not exceed five simple
                                   sentences.

1.   DefineDatabaseManagement System.   (CO1)

2.   Define Primary Key.   (CO1)

3.   List any three integrity constraints.   (CO1)

4.   Write a SQL Query to retrieve maximum value from sal column of employee table. (CO2)

5.   Write syntax for adding rows to the table   (CO2)

6.   List any three features of PL/SQL.   (CO3)

7.   List decision making statements in PL/SQL   (CO3)

8.   Define Cursor.   (CO4)

9.   List any three advantages of Triggers.   (CO4)

10.   Compare features of RDBMS with that of NoSQL.   (CO5)

                                   PART-B   **5x10=50M**
Instructions *: 1. Answer any fiver questions and each question carries   TEN marks.*
2. Answers should be comprehensive and criteria for valuation is the content but not the length
                                   of the answer.
11.   Explain Database System Architecture   (CO1)
12. Explain Generalization, Specialization and Aggregation   (CO1)

13. Explain SELECT statement with syntax and example   (CO2)
14. Explain Joins in SQL   (CO2)
15. Write a PL/SQL procedure to find biggest of three given numbers.   (CO3)
16. Write a PL/SQL program to find factorial of a given number.   (CO3)
17. Explain Implicit cursors in PL/SQL   (CO4)
18. Explain Column-oriented Databases in NoSQL   . (CO5)

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER
Elements of Film Technology
UNIT TEST-1
SCHEME: C-23 SUBJ CODE:AMG-401

<u>MAX MARKS:40</u>   **TIME: 90Minutes**

<div align="center">

PART-A   **16Marks**
</div>

Instructions: 1) Answer all questions
            2) First question carries 4marks, and each question of remaining carries 3marks.

1.   a) **Communication** is simply the act of transferring information from one place, person

        or group to another. (True/False)   (CO1)

       b) The person who act as creative lead of the **film is called as _____**.   (CO3)

       c) Step by step procedure to solve problem is --------------------   (CO2)

       d) Which one of the following is not a Script Element. [   ]   (CO2)

           a)Scene heading   b) action c) dialogue d) singing

2)   List any three types of Communication   (CO1)

3)   What is script analysis.   (CO2)

4)   List any three genre of the film.?   (CO2)

5)   Write about Location Hunting process..   (CO3)

<div align="center">

PART-B   **3X8=24Marks**
</div>

Instructions:1) Answer all questions.   2) Each question carries 8 Marks
            3) Answer should be comprehensive and the criterion for valuation is the content but
               not the length of the answer.

6.   a) Explain nonverbal Communication.   (CO1)
<div align="center">Or</div>
     b) Explain Mass communication.   (CO1)

7.   a) Explain the process of assessing the characters based on profession and backgrounds.
                                                                              (CO2)

      Orb) Explain the process of assisting the director to finalize casting.   (CO2)

8.   a) Describe the Identification of location suitable to provide backdrop on the scenes(CO3)
<div align="center">Or</div>
      b) Describe the process of surrealistic and dreamy sets for song sequences   (CO3)

<div align="center">***</div>

BOARD DIPLOMA EXAMINATIONS

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER – YEAR END EXAMINATION
ELEMENTS OF FILM TECHNOLOGY

SCHEME: C-23   SUBJ CODE:AMG-401
MAX MARKS:80   TIME: 3HOURS

| | PART-A | 10X3=30Marks |

Note: Answer all questions

1. What is communication.   (CO1)

2. List any three functions of communication.   (CO1)

3. Define Script.   (CO2)

4. List various genre of the film.   (CO2)

5. Define the terms sketch and diagram.   (CO3)

6. State the purpose of film budget.   (CO3)

7. What is backdrop?   (CO4)

8. State the purpose of Miniature.   (CO4)

9. Define Editing.   (CO5)

10. What is the is the role of Censorship body.   (CO5)

| | PART-B | 5x10=50Marks |

Note: Answer Any Five questions

11. Explain inter personal relationships.   (CO1)

12. Explain the process of script analysis.   (CO2)

13. Explain Location hunting process with Director and cinematographer.   (CO3)

14. Explain Providing Backdrops and properties which enhance the mood of the scene to be shot

                                                                 (CO4)

15. Explain the process of Editing.   (CO5)

16. Explain how to provide publicity and promotion to the short film created by you on

    traditional marriages in India.   (CO2)

17. Explain Blue/Green mat shooting.(CO4)

18. Explain the process of imposing Sound and Special effects.   (CO5)

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DIGITAL PHOTOGRAPHY
AMG-402
Model Blue Print:

S.No.	Chapter/Unit title	No.of periods	Weightage Allocated	Marks Wise Distribution of Weightage				Question wise Distribution of Weightage				CO's Mapped
				R	U	Ap	An	R	U	Ap	An	
1	BASIC OF PHOTOGRAPHY	12	16	3	13			1	2			CO1,CO3,CO4
2	DIGITAL PHOTOGRAPHY	12	16	3	13			1	2			CO2
3	IMAGE COMPOSITION	12	26		6	10	10		2	1	1	CO1,CO3
4	DIGITAL IMAGING	12	26	3	3	10	10	1	1	1	1	CO1,CO4,CO5
5	CONCEPT PHOTOGRAPHY	12	26	3	3	10	10	1	1	1	1	CO1,CO2,C05
	Total	**60**	**110**	**12**	**38**	**30**	**30**	**4**	**8**	**3**	**3**	

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER
Digital Photography
UNIT TEST-1
SCHEME:C-23 :: SUB CODE:AMG-402

MAX MARKS:40   **TIME: 90Minutes**

PART-A   **16Marks**

Instructions: 1) Answer all questions

2) First question carries 4marks, and each question of remaining carries 3marks.

1. a) A photograph is a type of raster image. (True/False)   (CO1)
    b) --------------------------- is equipment that is used to record images.   (CO2)
    c) The rule of thirds involves mentally dividing up your image using 2 horizontal lines and vertical lines   (CO2)

    d) Which is a memory device used with digital cameras?   (CO2)

      A. Sd card   B. Memory stick   C. Floppy disk   D. All of the above
2) State the importance of Light.   (CO1)
3) List different modes of Digital Camera.   (CO2)
4) What is the need of Exposure Meter   (CO3)
5) Write about Negatives in Photography   (CO1)

PART-B   **3X8=24Marks**

Instructions:1) Answer all questions. 2) Each question carries 8 Marks

3) Answer should be comprehensive and the criterion for valuation is the content but not the length of the answer.

6. a) Explain about history and development of Photography.   (CO1)
                            Or
    b) Explain about Black and white Photography   (CO1)

7. a) Draw and Explain functions of major Components of Digital Camera   (CO2)
                            Or
    b) Explain the process of selecting Flash Mode Setup for Digital Imaging. (CO2)

8. a) Explain Different Angles of a Camera.   (CO3)
                            Or
    b) Explain the Types of lighting   (CO3)

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BOARD DIPLOMA EXAMINATIONS

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER – YEAR END EXAMINATION
DIGITAL PHOTOGRAPHY

SCHEME:C-23 :: SUB CODE:AMG-402

MAX MARKS:80   **TIME: 3HOURS**

PART-A   **10X3=30Marks**

Note: Answer all questions

1. Define the term Camera   (CO1)

2. State the need of filter.   (CO1)

3. List different types of Lens   (CO1)

4. Define Digital Still Camera.   (CO2)

5. Describe Flash.   (CO2)

6. What is Aperture and state it's Usage?   (CO3)

7. Describe Exposure Meter   (CO3)

8. Define the terms Light room, Light Room Workspace   (CO4)

9. Describe about motion pictures.   (CO4)

10. What is Photo journalism   (CO5)

PART-B

Note: Answer Any Five questions   **5x10=50Marks**

11. Explain about Color Photography   (CO1)

12. Explain operation of Digital SLR Camera   (CO2)

13.Explain Different Angles of a Camera.   (CO3)

13. Explain indoor and outdoor lightening.   (CO3)

14.Explain about Special effects techniques in digital imaging   (CO4)

14.Explain the process of Choosing Color and Color grading Brush Shape.   (CO4)

15.Explain about Industrial Photography   (CO5)

16. Create a Photo Album from Digital Pictures Using FlipHTML5   (CO5)

3-D Animation and Graphics
CM-403
Model Blue print

S.No.	Chapter/Unit title	No.of periods	Weightage Allocated	Marks Wise Distribution of Weightage				Question wise Distribution of Weightage				CO's Mapped
				R	U	Ap	An	R	U	Ap	An	
1	Introduction To 3Ds MAX	12	16	3	13			1	2			CO1
2	Modeling Techniques	12	26	3	3	10	10	1	1	1	1	CO2
3	Material & Shading network	12	26	3	3	10	10	1	1	1	1	CO3
4	Rigging & Animation	12	26	3	3	10	10	1	1	1	1	CO4
5	Lighting & Rendering	12	16	3	3	10		1	1	1		CO5
	Total	60	110	15	25	40	30	5	6	4	3	

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER
3D ANIMATION & GRAPHICS
UNIT TEST-1

SCHEME: C-23   **SUBJ CODE: AMG-403**
MAX MARKS: 40   **TIME: 90Minutes**
                                                  PART-A   **16Marks**
Instructions: 1) Answer all questions
                 2) First question carries 4marks, and each question of remaining carries 3marks.

1.   a) Access points where users interact with designs is called as ------------------   (CO1)
      b) Geometric primitives are present in the 3D Max.(TRUE/FALSE)   (CO2)
      c) Shortcut key to open material editor is   (CO3)
              1) O   2) N   3) M   4) P
      d) Keyboard shortcut to Hide shapes is   (CO3)
              1)Shift+S   2)Ctrl+S   c)Alt+S   4)Alt+shift+S
2)   List tool bars in 3D Max   (CO1)

3)   State the purpose of surface modeling   (CO2)

4)   State the steps to add map   (CO3)

5)   State the use of Patch Objects   (CO2)

                                                  PART-B   **3X8=24Marks**
Instructions: 1) Answer all questions.   2) Each question carries 8 Marks
                    3) Answer should be comprehensive and the criterion for valuation is the content but
                    not the length of the answer.

6.   a) Explain 3D Max software user interface elements   (CO1)
                                                  Or

      b) Explain Architectural Objects   (CO1)
7.   a) Explain about Low Res &High Level Polygon Modeling   (CO2)
                                                  Or

      b). Explain the procedure of Vehicle modelling   (CO2)

8.   a) Explain Material Editor   (CO3)

                                                  Or

      b) . Explain 2D and 3D Maps   (CO3)

                                                  ***

BOARD DIPLOMA EXAMINATIONS

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
3D ANIMATION & GRAPHICS
MODEL PAPER – YEAR END EXAMINATION
SCHEME: C-23   SUBJ CODE: AMG-403

MAX MARKS:80   **TIME: 3HOURS**

	PART-A	**10X3=30Marks**

Note: Answer all questions

1.	List types of Selection Commands	(CO1)
2.	State the purpose of Compound Objects	(CO1)
3.	Define the NURBS Modeling	(CO2)
4.	State the purpose of Surface Modeling	(CO2)
5.	Define Alpha Mapping	(CO3)
6.	List types of Texture Mapping	(CO3)
7.	List Types of Camera	(CO4)
8.	State the use of Motion Panel	(CO4)
9.	Give the steps to change the Environment background	(CO5)
10.	List steps to apply I-ray Render Setup	(CO5)

	PART-B	**5x10=50Marks**

Note: Answer Any Five questions

11.	Explain various MAX software user interface elements	(CO1)
12.	Explain about Editable Poly Surface	(CO2)
13.	Explain the procedure of Vehicle modeling	(CO2)
14.	Explain 2D and 3D Maps	(CO3)
15.	Explain Working with UVS	(CO3)
16.	Draw and Explain hierarchical structure	(CO4)
17.	Explain Camera Tracker	(CO4)
18.	Explain various types of Render Settings	(CO5)

***

Web Designing
AMG-404
Blue print:

S.No.	Chapter/ Unit title	No.of periods	Weightage Allocatd	Marks Wise Distribution of Weightage				Question wise Distribution of Weightage				CO's Mapped
				R	U	Ap	An	R	U	Ap	An	
1	HYPERTEXT MARKUP LANGUAGE (HTML)	12	16	3	3	10		1	1	1		CO1
2	SCRIPTING LANGUAGE	12	26	3	3	10	10	1	1	1	1	CO1,CO2
3	DREAMWEAVER CREATIVE CLOUD	12	26		6	10	10		2	1	1	CO1,CO3
4	WORK SPACE AND VISUAL DEVELOPMENT	12	26	3	3	10	10	1	1	1	1	CO1,CO3,CO4
5	FLASH WITH ACTION SCRIPTS	12	16		6	10			2	1		CO5
	Total	60	110	9	21	50	30	3	7	5	3	

Diploma in 3D Animation and Graphics Engineering
SUB NAME : Web Designing
MODEL PAPER
UNIT TEST-1

SCHEME: C-23   SUB CODE: AMG-404
MAX MARKS:40   TIME: 90Minutes

PART-A   16Marks

Instructions: 1) Answer all questions
                                    2) First question carries 4marks, and each question of remaining carries 3marks

1.   A).are the HTML tags and elements the same thing? (True/False)   (CO1)

   B) The element is positioned according to the normal flow of the document is called---- (CO1)

   C) Which of the following is not a java script data type   [   ]   (CO2)

      I) number   II) string   III) enum   IV) boolean

   D) ------ links are used to connect users to other pages within the same website [   ](CO3)

      I) internal link   II) external link   III) basic email link   IV) none

2.   **What are tags and attributes in HTML?**   (CO1)

3.   What are object prototypes?   (CO2)

4.   Explain Implicit Type Coercion in JavaScript.   (CO2)

5**.**   **How** do we insert a Table?   (CO3)

PART-B   3X8=24Marks

Instructions: 1) Answer all questions   2)Each question carries 8 Marks
                3) Answer should be comprehensive and the criterion for valuation is the content but
                   not the length of the answer

6.   **a) Which HTML tag is used to display the data in the tabular form?**   (CO1)
                                    Or
      b) Explain the layout of HTML?   (CO1)

7.   **a) List some of the advantages and disadvantages of JavaScript.**   (CO2)
                                    Or
      b) What is BOM (Browser Object Model)?   (CO2)

8.   a) Explain how you can perform validation in Dreamweaver?.   (CO3)
                                    Or
       b) Explain how you can add an image to your web page in Dreamweaver?   (CO3)

***

Board Diploma Examination
Model Question paper-End Exam
DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
SUB NAME: Web Designing

SCHEME:C-23   **SUB CODE:AMG-404**
MAX MARKS:80   **TIME: 3HOURS**

Part-A

Answer All Questions each carries three marks   **10X3=30**

1. Define Tags in HTM   CO1

2. What is CSS?   CO1

3. List various data types in JavaScript.   CO2

4. Define cookies?   CO2

5. Define site files and folders.   CO3

6. List components in toolbar   CO3

7. What is Photoshop integration?   CO4

8. List different library templates.   CO4

9. What is event handling?   CO5

10. Define graphics and animation.   CO5

Part-B

Answer Any Five Questions   **5X10=50**

11. Explain in how many ways can we specify the CSS styles for the HTML element?
                                                          CO1

12. Explain how to create an array in JavaScript?   CO2

13. Explain various pop-up boxes available in JavaScript?   CO2

14. Explain how you can perform validation in Dreamweaver?   CO3

15. Explain how you can make your site live in Dreamweaver?   CO3

16. Explain about Photoshop dream weaver workflow with neat diagram.   CO4

17. Explain about creating navigation buttons   CO4
18. Explain about creating movie clips.   CO5

***

3D Modelling ,Texturing, and lighting Techniques
AMG-405
Model Blue Print:

S.No.	Chapter/Unit title	No.of periods	Weightage Allocated	Marks Wise Distribution of Weightage				Question wise Distribution of Weightage				CO's Mapped
				R	U	Ap	An	R	U	Ap	An	
1	Maya Interface & Workflow	10	16	3	3	10		1	1	1		CO1
2	Low Polygon and Advanced Modeling Techniques	18	26	3	3	10	10	1	1	1	1	CO2
3	Texturing Work Flow and Advanced Texturing Techniques	15	26	3	3	10	10	1	1	1	1	CO3
4	Basic Lighting Techniques	12	26	3	3	10	10	1	1	1	1	CO4
5	Environmental Lighting	10	16	3	3	10		1	1	1		C05
	Total	**60**	**110**					**6**	**7**	**2**		

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER
3D MODELLING, TEXTURING AND LIGHTINING TECHNIQUES
UNIT TEST-1
SCHEME: C-23   SUBJ CODE:AMG-405

<u>**MAX MARKS:40**</u>   **TIME: 90Minutes**

PART-A   **16Marks**

Instructions: 1) Answer all questions
                       2) First question carries 4marks, and each question of remaining carries 3marks.

1.   a) Triangulation is the decomposition of a polygonal area into a set of triangles. (True/False)(CO2)
     b) NURBS stands for --------------------   (CO1)
     c) ------------------ is an animation technique in which key poses are created to
        establish timing and placement of characters and props in a given scene or shot. (CO3)
     d) Which one of the following is a type of curve in MAYA   [   ]   (CO1)
              I) Fillet Curve   II) Rebuild Curve   III) Both I & II   IV) None
2)   State the importance of Viewport in MAYA software.   (CO1)
3)   What is curve and list any two types of curves.   (CO1)
4)   List various Sculpt geometry tools used in polygon modeling techniques.   (CO2)
5)   Write about rapid sketches.   (CO3)

PART-B   **3X8=24Marks**

 Instructions:1) Answer all questions.   2) Each question carries 8 Marks
                      3) Answer should be comprehensive and the criterion for valuation is the
                         content but not the length of the answer.

6.   a) Explain about various Curve Editing Tools.   (CO1)
                                              Or

     b) Explain Time & Range Slider options in Maya layout.   (CO1)

7.   a) List and Explain Component Selection Tools.   (CO2)
                                              Or

     b) Explain about Chamfers & Split Tools.   (CO2)
8.   a) Write the Conditions of Model Sheet Preparation in 2D modeling.   (CO3)
                                              Or
     b) Explain about Polygon Nodes in detail.   (CO3)

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BOARD DIPLOMA EXAMINATIONS

DIPLOMA IN 3D ANIMATION AND GRAPHICS ENGINEERING
MODEL PAPER – YEAR END EXAMINATION
3D MODELLING, TEXTURING AND LIGHTING TECHNIQUES

SCHEME: C-23   **SUBJ CODE:AMG-405**
MAX MARKS:80   **TIME: 3HOURS**

PART-A

Note: Answer all questions   **10X3=30Marks**

1. Write briefly about Revolve in MAYA technology.   (CO1)

2. List out the Toolbox tools used in MAYA software.   (CO1)

3. What are the various Sculpt geometry tools used in polygon modeling techniques. (CO2)

4. State the purpose of Pose studies?   (CO3)

5. Write briefly about rapid sketches.   (CO3)

6. What is fine tuning in 3D.   (CO3)

7. Write briefly about Light attributes.   (CO4)

8. List various types of lights   (CO4)

8. Write the differences between Light Linking and Shadow Linking techniques.   (CO5)

9. Explain briefly about Light fog.   (CO5)

PART-B

Note: Answer all questions   **5x10=50Marks**

11. Explain about various Curve Editing Tools.   (CO1)

12. State and Explain Component Editing Tools.   (CO2)

13. Explain the Conditions of Model Sheet Preparation in 2D modeling.   (CO2)

14. Explain the steps to use Polygon Tools in 3D.   (CO3)

15. Explain various Mapping Methods.   (CO3)

16. Explain different types of Light.   (CO4)

17. Explain the steps of working Light Decay in lighting.   (CO4)

18. Explain about Depth Map Shadow in environment lighting.   (CO5)

***

Communication Skills
AMG-408
Unit wise Mapping of CO –PO

CO	Course Outcome	COs / Unit Mapped	POs mapping	Cognitive levels as per Bloom's Taxonomy R/U/A/An (Remembering / Understanding / Applying/ Analyising)
CO 1	Listen and comprehend listening inputs related to different genres effectively	Unit 1	6,7	R/U/A
CO2	Communicate effectively in interpersonal interactions, interviews, group discussions and presentations	Units 3,4,5,7,8	6,7	R/U/A/An
CO3	Acquire employability skills: job hunting, resume writing, attending interviews	Units 6,7	6,7	R/U/A/An
CO4	Practise appropriate body language and professional etiquette	Units 2, 3, 4,5,7,8	6,7	R/U/A

End Exam Model paper: C23-Common-408 : Communication Skills Lab

Guidelines to prepare the question paper of the Lab End exam for 60 marks:

I. Listening Skills:

   Students listen to the audio / watch the video clip (without subtitles) and answer the questions
   supplied to them in advance; observe the three stages of the Listening activity.   : 10 Marks

II. Individual Speaking skills:

   a) Speak for a minute (JAM) on the given topic, can be allotted through chits/lots: 10 M.

   b) Individual speaking skills on any given topic ….descriptions / role play etc: 10 Marks

   c) Direct Interaction/ dialogue with the examiner to test his/her speaking skills :   10M.

III.   Pair / Group Speaking Activities.   :   20 Marks

   a) Role Plays / dialogue making , b) Group Discussion,   c) Interview skills

Note: If the students are more in number and the time is not sufficient to conduct the Viva for all the students in a single spell, the examiner can also adapt the blended mode of exam. A few significant questions can be tested orally and one or two questions can be answered in writing.(Ex: Resume, cover letter, FAQs in Interview skills etc.) along with the answers of Listening Test.

Aspects to be evaluated to test speaking skills			
S.No	Language Aspects	Organising Aspects	Body Language aspects
1	Content: Quality, clarity and relevance of ideas	Coherence, cohesion of relevant ideas	Postures
2	Fluency	Proper beginning, topic sentence, expansion/details, conclusion	Gestures,
3	Vocabulary	Using proper Linkers	Eye contact
4	Pronunciation	Avoid repetitions, clichés, fillers	Audibility, pitch, Permissible pauses
5	Grammar (Syntax, semantics)		Other Permissible body movements

FIFTH SEMESTER

INDUSTRIAL MANAGEMENT AND ENTERPREUNERSHIP
AMG-501
MODEL BLUE PRINT OF THE QUESTION PAPER

Sl. No	Chapter Name	Periods Allocated	Weightage Allocated	Question Wise Distribution of Weightage			Marks Wise Distribution of Weightage		
				R	U	Ap	R	U	Ap
1	Principles of Management.	08	16	1	1	1	3	3	10
2	Organization Structure & Organizational Behaviour.	15	26	1	1	2	3	3	20
3	Production Management.	14	26	1	1	2	3	3	20
4	Engineering Ethics & Safety and Labour Codes.	15	26	1	1	2	3	3	20
5	Entrepreneurship & Start-ups.	08	16	1	1	1	3	3	10
	TOTAL	**60**	**110**	**5**	**5**	**08**	**15**	**15**	**80**