Programme: Diploma in Early Childhood Care and Education (Semester – I)
Course Title: Foundation of Education
Course Code: DECL-1281

Time Allowed: 3 Hours   **Maximum Marks: 70**

Note: Attempt five questions in all, selecting atleast one question from each section. Fifth question may be attempted from any section. Each question carries 14 marks.

Section - A
1.   Explain the role of Western educators in ECCE.
2.   (a) Write a note on the ideologies of Mahatama Gandhi in ECCE.
     (b) Write a note on role of Rabindra Nath Tagore in Pre school education.

Section - B
3.   (a) Write down the objectives of ECCE.
     (b) Differentiate between formal and non formal education.
4.   Explain the nature and significance of primary education.

Section - C
5.   Explain the role of Balwadi worker in ICDS.
6.   What are mobile crutches? How are they operational in India?

Section - D
7.   Briefly explain the working of CSWB and ICCW for the betterment of Preschool education.
8.   Write short notes on:
     (a) NCERT   (b) NIPCCD

Programme: **Diploma in Early Childhood Care and Education, Semester-I**

Course Title: Child Health and Nutrition-I

Course Code: DECL-1282

Time Allowed: 3 Hours   **Max Marks: 70**

Note: There are 8 questions in four sections, students are required to attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 14 marks.

Section —A

1. Define health and write in detail about the dimensions of health.

2. Write in detail about the health indicators.

Section —B

3. Write short note the nutrition requirement of Calcium and phosphorus and write which nutrients helps in the absorption of calcium.

4. What is balanced diet? Explain the concept of portion size.

Section C

5. Explain the influence of pregnancy on nutrition needs.
6. Write short note on care during postnatal period.

Section-D

7. Write short note on the planning balanced diets for toddlers and preschool going.
8. Write short note the recommended dietary intake of Infants.

Exam Code: **502001**   Paper Code: 1235
(50)

Programme: **Diploma in Early Childhood Care and Education, Semester-I**

Course Title: Services and Programmes for Children –I

Course Code: DECL-1283

Time Allowed: 3 Hours   Max Marks: 70

Attempt Five questions in all, selecting at least One question from each section. The fifth question may be attempted from any section. All questions carry equal (14 each) marks.

UNIT I

1. Explain the perception of Early Childhood Care and education.   14
2. Illustrate some theoretical orientation in early childhood care education.   14

UNIT II

3. Plan a suitable programme for counselling the parents about the care and education of child with special needs.   14
4. Briefly describe the following:

a. Objectives of studying a child with special needs.

7

b. Education of physically handicapped child.   7

UNIT III

5. a. How to teach a child with behavioral problems? 7
   b. Write a note on Prevalence of Physical Handicap in India.   7
6. What is visual impairment? What are the educational provisions for helping the visually impaired children?

14

UNIT IV

7. What are the main functions and objectives of ICDS?

14

8. Write short notes on:
   a. Balika Samriddhi Yojana (BSY)   7
   b. National creche fund   7

Programme: **Diploma in Early Childhood Care and Education, Semester-I**

Course Title: Child Care Taker-I

Course Code: DECL-1284

Time Allowed: 3 Hours   Max Marks: 70

Note: Attempt Five Questions in all, selecting at least one question from each section. Fifth question may be attempted from any section. All questions carries 14 marks.

Section-A

1. Who are child care taker? Explain the attributes of child care taker.
2. Explain the role and responsibility of child care taker?

Section-B

3. Explain the steps of washing and sanitizing the clothes and sheets?
4. What are the nutritional needs of the children in different age group?

Section-C

5. What are the methods to support the child to communicate with others?

6. What are the different kind of communication? Explain some methods to interact with the child?

Section-D

7. How to teach the child about what is inappropriate touch, bullying and abuse?

8. Explain the ways to identify any signs of abuse and harassment? What should we teach children against abuse?

ਸੈਕਸ਼ਨ-ਏ

1. ਬੱਚਿਆਂ ਦੀ ਦੇਖਭਾਲ ਕਰਨ ਵਾਲੇ ਕੌਣ ਹਨ? ਬੱਚਿਆਂ ਦੀ ਦੇਖਭਾਲ ਕਰਨ ਵਾਲੇ ਦੇ ਗੁਣਾਂ ਵਿਆਖਿਆ ਕਰੋ।

2. ਬੱਚਿਆਂ ਦੀ ਦੇਖਭਾਲ ਕਰਨ ਵਾਲੇ ਦੀ ਭੂਮਿਕਾ ਅਤੇ ਜ਼ਿੰਮੇਵਾਰੀ ਬਾਰੇ ਦੱਸੋ?

ਸੈਕਸ਼ਨ-ਬੀ

3. ਕੱਪੜਿਆਂ ਅਤੇ ਚਾਦਰਾਂ ਨੂੰ ਧੋਣ ਅਤੇ ਰੋਗਾਣੂ-ਮੁਕਤ ਕਰਨ ਦੇ ਕਦਮਾਂ ਦੀ ਵਿਆਖਿਆ ਕਰੋ?

4. ਵੱਖ-ਵੱਖ ਉਮਰ ਵਰਗ ਦੇ ਬੱਚਿਆਂ ਦੀਆਂ ਪੋਸ਼ਣ ਸੰਬੰਧੀ ਲੋੜਾਂ ਕੀ ਹਨ?

ਸੈਕਸ਼ਨ-ਸੀ

5. ਦੂਸਰਿਆਂ ਨਾਲ ਗੱਲਬਾਤ ਕਰਨ ਲਈ ਬੱਚੇ ਦੀ ਸਹਾਇਤਾ ਕਰਨ ਦੇ ਕਿਹੜੇ ਤਰੀਕੇ ਹਨ?

6. ਸੰਚਾਰ ਦੀਆਂ ਵੱਖੋ ਵੱਖਰੀਆਂ ਕਿਸਮਾਂ ਕੀ ਹਨ? ਬੱਚੇ ਨਾਲ ਗੱਲਬਾਤ ਕਰਨ ਦੇ ਕੁਝ ਤਰੀਕੇ ਦੱਸੋ?

ਸੈਕਸ਼ਨ-ਡੀ

7. ਬੱਚੇ ਨੂੰ ਇਸ ਬਾਰੇ ਕਿਵੇਂ ਸਿਖਾਉਣਾ ਹੈ ਕਿ ਅਣਉਚਿਤ ਛੋਹ, ਧੱਕੇਸ਼ਾਹੀ ਅਤੇ ਦੁਰਵਿਵਹਾਰ ਕੀ ਹੈ?

8. ਦੁਰਵਿਵਹਾਰ ਅਤੇ ਪਰੇਸ਼ਾਨੀ ਦੇ ਕਿਸੇ ਵੀ ਲੱਛਣ ਦੀ ਪਛਾਣ ਕਰਨ ਦੇ ਤਰੀਕਿਆਂ ਦੀ ਵਿਆਖਿਆ ਕਰੋ? ਸਾਨੂੰ ਬੱਚਿਆਂ ਨੂੰ ਦੁਰਵਿਵਹਾਰ ਦੇ ਵਿਰੁੱਧ ਕਿ ਸਿਖਾਉਣਾ ਚਾਹੀਦਾ ਹੈ?

Exam Code: 502001   **Paper Code: 1237**

Programme: Diploma in Early Childhood Care and

Education (Semester: I)

Course Title: Child Psychology and

Child Development

Course Code: DECM-1285

Time Allowed: 3 Hours   **Max Marks: 50**

Instructions: Attempt five questions in all, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 10 marks.

Section –I

1. Differentiate Growth and Development in detail.
2. Briefly explain the Childhood stages and Development.

Section –II

3. Write about the characteristics of good intelligence test.
4. What is the importance and heredity and environment in development of a child?

Section –III

5. What are the methods of Learning?
6. Discuss the developmental tasks of Early Childhood Stage.

Section –IV

7. Briefly explain the characteristics and educational programmes for handicapped children.
8. Define mental health and how it can be improved especially of students and teachers?

(PUNJABI VERSION)

<u>ਹਦਾਇਤਾਂ:</u> ਹਰੇਕ ਭਾਗ ਵਿੱਚੋਂ ਘੱਟੋ-ਘੱਟ ਇੱਕ ਸਵਾਲ ਚੁਣ ਕੇ, ਕੁੱਲ ਪੰਜ ਸਵਾਲ ਕਰੋ। ਪੰਜਵਾਂ ਸਵਾਲ ਕਿਸੇ ਵੀ ਭਾਗ ਤੋਂ ਕਰੋ। ਹਰੇਕ ਸਵਾਲ ਦੇ 10 ਅੰਕ ਹਨ।

ਸੈਕਸ਼ਨ-I

1. Growth ਅਤੇ Development ਵਿੱਚ ਅੰਤਰ ਨੂੰ ਵਿਸਥਾਰ ਵਿੱਚ ਲਿਖੋ।

2. ਬਚਪਨ ਦੇ ਪੜਾਵਾਂ ਅਤੇ ਵਿਕਾਸ ਬਾਰੇ ਸੰਖੇਪ ਵਿੱਚ ਵਿਆਖਿਆ ਕਰੋ।

ਸੈਕਸ਼ਨ –II

3. ਚੰਗੀ ਬੁੱਧੀ ਜਾਂਚ ਦੀਆਂ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਬਾਰੇ ਲਿਖੋ।
4. ਬੱਚੇ ਦੇ ਵਿਕਾਸ ਵਿੱਚ ਕੀ ਮਹੱਤਵ ਅਤੇ ਵੰਸ਼ ਅਤੇ ਵਾਤਾਵਰਣ ਕੀ ਹੈ।

ਸੈਕਸ਼ਨ –III

5. ਸਿੱਖਣ ਦੇ ਤਰੀਕੇ ਕੀ ਹਨ?
6. ਸ਼ੁਰੂਆਤੀ ਬਚਪਨ ਦੇ ਪੜਾਅ ਦੇ ਵਿਕਾਸ ਕਾਰਜਾਂ ਦੀ ਚਰਚਾ ਕਰੋ।

ਸੈਕਸ਼ਨ –IV

7. ਅੰਗਹੀਣ ਬੱਚਿਆਂ ਲਈ ਵਿਸ਼ੇਸ਼ਤਾਵਾਂ ਅਤੇ ਵਿਦਿਅਕ ਪ੍ਰੋਗਰਾਮਾਂ ਦੀ ਸੰਖੇਪ ਵਿਆਖਿਆ ਕਰੋ।

8. ਮਾਨਸਿਕ ਸਿਹਤ ਨੂੰ ਪਰਿਭਾਸ਼ਿਤ ਕਰੋ ਅਤੇ ਇਸ ਨੂੰ ਖਾਸ ਕਰਕੇ ਵਿਦਿਆਰਥੀਆਂ ਅਤੇ ਅਧਿਆਪਕਾਂ ਦੀ ਕਿਵੇਂ ਸੁਧਾਰਿਆ ਜਾ ਸਕਦਾ ਹੈ?

Exam Code: 408801   Paper Code: 1279
Diploma in Computer Applications - Semester I
Course Title: Information Technology and Operating System
Course Code: DCAL-1111

Time: 3 Hours   Max. Marks: 70

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

Section A

Q1) Explain various components of computer in detail.   (14)
Q2) a) Explain working of keyboard and mouse.   (9)
    b) What is software? Explain its types.   (5)

Section B

Q3) Explain workings of scanner and bar code reader.   (14)
Q4) a) Differentiate between RAM and ROM.   (5)
    b) What do you mean by secondary storage device? Explain hard disk in detail.   (9)

Section C

Q5) What is operating system? Explain its features.   (14)
Q6) a) Differentiate between linker and loader.   (5)
    b) Explain types of operating system.   (9)

Section D

Q7) Explain anatomy of a window in detail.   (14)
Q8) Explain the following:-
    a) Color settings
    b) Folder
    c) Copying Vs Moving
    d) Taskbar   (4 * 3.5 = 14)

2124   22

Exam Code: 408801   Paper Code: 1280

Diploma in Computer Applications (Semester-I)
Course Title: PC Computing-I (Back Office Operations)
Course Code: DCAL-1112

Examination Time: 3Hrs   Marks: 70

Note: Attempt 5 questions, selecting atleast one from each of section each section. Fifth Question can be attempted from any section. Each Question carries 14 marks. Draw diagrams to support the answer, wherever applicable.

Section-A

Q1.	a) What is Word Processing? Explain different features of Word Processing	10
	b) Explain the purpose of ruler in MS-Word	4
Q2	a) What do you mean by creation and opening of a documents	4
	b) What do you mean by page setup? Explain page margin and page orientation	5
	c) Explain cut, copy and paste commands in MS-Word	5

Section-B

Q3	a) What is Table in MS-Word? How we can insert table into a document?	9
	b) Write the procedure for addition of new rows and columns into a table	5
Q4	a) What is the purpose of adding pictures and page colour?	5
	b) What is the use of power point presentation? Explain	9

Section-C

Q5	a) Explain Slide view, Notes view and Slide sorter view	9
	b) How can you create graph in a slide	5
Q6	a) How can we use animation to make a presentation look better	7
	b) How do you add music to the presentation	7

Section-D

Q7	a) What is worksheet? Write advantages of using worksheet	6
	b) What do you mean by cell, cell pointer and cell address	6
	c) Explain SUM and MIN function in MS-Excel	2
Q8	a) How can you print a worksheet?	4
	b) How can you take print preview of your worksheet?	4
	c) How can you create a graph? Write down all the steps?	6

2124

30

Diploma in Computer Applications - Semester I
Course Title: Programming in C
Course Code: DCAL-1113

Time: 3 Hours   Max. Marks: 70

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

SECTION-A

Q1:- What are the fundamentals data types in C? Explain the use of each type of data type.   (14)

Q2:- What are the meanings of precedence and associativity of operators in C with an example?   (14)

SECTION-B

Q3:- What are the different library functions for formatted input or output in C? Explain giving examples.   (14)

Q4:- Write down the purpose of the switch statement. Summarize the syntax rules associated with the use of switch statement. Explain with an example.   (14)

SECTION-C

Q5:- Define recursion. Write a recursive function for finding the factorial of a number.   (14)

Q6:- Discuss the various storage classes available in C.   (14)

SECTION-D

Q7:- a) Write a program using the structure to get the details of the students which includes Roll no., Name, Subject Name and Marks from the user and print it.

b) Differentiate between Structure and Union.   (9, 5)

Q8:- Define pointer. How a pointer variable can be declared and how can it be accessed? Why are pointers better than arrays? Explain with a program example.   (14)

(For Reappear Candidates only (2023-24))

Exam Code: 408801   Paper Code: 9119

Diploma in Computer Applications (Semester-I)
Course Title: Programming in C
Course Code: DCAL-1113

Time: 3 Hours
Max. Marks: 80

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 16 marks.

SECTION-A

Q1:- What are the fundamentals data types in C? Explain the use of each type of data type.   (16)

Q2:- What are the meanings of precedence and associativity of operators in C with an example?   (16)

SECTION-B

Q3:- What are the different library functions for formatted input or output in C? Explain giving examples.   (16)

Q4:- Write down the purpose of the switch statement. Summarize the syntax rules associated with the use of switch statement. Explain with an example.   (16)

SECTION-C

Q5:- Define recursion. Write a recursive function for finding the factorial of a number.   (16)

Q6:- Discuss the various storage classes available in C.   (16)

SECTION-D

Q7:- a) Write a program using the structure to get the details of the students which includes Roll no., Name, Subject Name and Marks from the user and print it.

b) Differentiate between Structure and Union.   (10, 6)

Q8:- Define pointer. How a pointer variable can be declared and how can it be accessed? Why are pointers better than arrays? Explain with a program example.   (16)

2124

Exam Code: 323501   Paper Code: 1282

Post Graduate Diploma in Computer Applications - Semester I
Course Title: PC Computing – I (Back Office Operations)
Course Code: PCAL-1111

Time: 3 Hours   Max. Marks: 70

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

SECTION A

Q1. What are the different parts of MS Words Window? Explain the role of each part. (14)

Q2. (a) How to insert a document into another document? (2)

(b) Write the procedure for the following tasks in context with Ms Word:

I. Header & Footer

II. Page setup

III. Spell Checker (3 x 4 = 12)

SECTION B

Q3. (a) How to create table and format the table Explain in detail. (9)

(b) How to add Picture, Watermark and Border & shading in a document? (5)

Q4. What do you mean by presentation? How to start a new slide, saving presentation, moving/rearranging slides and printing slides? (14)

SECTION C

Q5. (a) Define and distinguish between slide transition and animation. How these are applied in MS PowerPoint? (9)

(b) How to add audio and Video in a slide? (5)

Q6. Explain short note on the following.

a) Slide transition

b) Custom animation

c) Multimedia

d) View (4 x 3.5 = 14)

SECTION D

Q7. Explain various types of charts and also explain the process of converting one type to another. (14)

Q8. (a) How do you query and filter the data in Excel?

(b) How to perform "what if analysis" for data in worksheet? (2 X 7 = 14)

2124   21

Exam Code: 323501   Paper Code: 1283
Post Graduate Diploma in Computer Applications - Semester I
Course Title: Internet and Web Designing
Course Code: PCAL-1112

Time: 3 Hours   Max. Marks: 70
Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

Section A

Q1. (a) Define WWW? How it works and explain the concept of web browsing.
(b) Explain Hypertext Transfer Protocol.   (2 X 7 = 14)
Q2. What is E-Mail? What are the advantages and disadvantages of E-Mail? Explain the structure of email message.   (14)

Section B

Q3. (a)How to insert Image in a web page and what are the attributes of image tag?   (3)
(b) What are Lists and its types in HTML? Write code in HTML To make a list: (8)

A. INPUT DEVICES
- DIRECT INPUT
  I. SCANNER
- INDIRECT INPUT
  i. KEYBOARD
  ii. MOUSE

B. OUTPUT DEVICES
C. STORAGE DEVICES
  a. DIRECT INPUT
    i. SCANNER

(c) What are the limitations of HTML?   (3)
Q4. (a) What do you mean by HTML? Explain the structure of HTML.   (6)
(b) Explain the following with Example:
  I.   Hyperlinks (Internal & External)
  II. Forms   (2 X 4 = 8)

Section C

Q5. (a) How to add cascading style sheet in HTML files?
(b) How Colors and Background are managed through CSS?   (2 X 7 = 14)

2124   21

Q6. (a)Explain CSS Box Model in detail.
(b)What is position property in CSS layout? What are the different values of
position property explain with example.   (2 X 7 = 14)

Section D

Q7. Explain the following:
  I.   Arrays
  II.   Objects
  III. Strings
  IV.   Events   (4 X 3.5 = 14)
Q8. Explain in detail Document Object Model.   (14)

Post Graduate Diploma in Computer Applications - Semester I

Course Title: Fundamentals of Computer and Operating System

Course Code: PCAL-1113

Time: 3 Hours   **Max. Marks: 70**

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

Section A

Q1) With the help of block diagram, explain components of computer. (14)

Q2) a) Explain working of Joystick and Trackball. (9)

    b) Differentiate between system software and application software. (5)

Section B

Q3) Explain workings of scanner, bar code reader and card reader. (14)

Q4) What is computer memory? Explain its types. (14)

Section C

Q5) Explain the term operating system. Write its functions in detail. (14)

Q6) a) Differentiate between compiler and assembler. (5)

b) Explain multiuser operating system in detail. (9)

Section D

Q7) Write in detail the anatomy of a window. (14)

Q8) Explain the following   (4 * 3.5 = 14)

    a) Start menu

    b) Folder

    c) My computer

    d) How to copy a file from one folder to another

Exam Code: 323501   Paper Code: 1285

Post Graduate Diploma in Computer Applications - Semester I
Course Title: Programming in Python
Course Code: PCAL-1114

Time: 3 Hours   **Max. Marks: 70**

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

SECTION A

1. Explain operators in Python. Also explain their hierarchy. 16
2. Explain Various Data Types in Python with programming examples.

Section B

3. Explain List. Also explain sequencing and iteration over list with programming examples.
4. Explain loops and control statements in Python with programming examples.

Section C

5. Explain arguments and parameters in python using functions.
6. Explain program routines and flow of execution in Python.

Section D

7. Explain various sqlite create, insert, and update operations to create database and tables using Python.
8. Explain Object Oriented Programming in Python. Write a Program in Python to demonstrate the concept of overloading.

Post Graduate Diploma in Garment Construction and Fashion Designing Semester I
Course Title: Fashion Concepts
Course Code: PGFL-1231

Time: 3 Hours   Max. Marks: 70

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

SECTION-A

Q1) Write a note on following:-
   a) Style
   b) Fad

Q2) What is draft? Write a note on the equipment required while preparing a draft.

SECTION-B

Q3) Write a detailed note on Bottom-up (Upward flow) theory of fashion adoption. Explain its implications for the manufacturers.

Q4) Write short notes on the following:-
   a) Modesty Theory
   b) Adornment Theory of Origin of clothing

SECTION-C

Q5) Write a detailed note on the accelerating factors affecting the fashion cycle.

Q6) Define Fashion forecasting. Write a note on the importance of long-term and short-term fashion forecasting.

SECTION-D

Q7) Write a note on elements of design and their importance for creating a good design.

Q8) Write a detailed note on factors affecting the clothing choices of elderly.

Exam Code: 306101   Paper Code: 1293
Post Graduate Diploma in Garment Construction and Fashion
Designing Semester I
Course Title: Basics of Sustainable Fashion
Course Code: PGFM-1232

Time: 3 Hours   **Max. Marks: 40**
Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 8 marks.

SECTION-A

Q1) Write a short note on:-
   a) Second Hand Clothing
   b) Circular Fashion.
Q2) Write a short note on the:-
   a) Life cycle of a garment
   b) Flea Market Fashion.

SECTION-B

Q3) Write a short note on Orsola De Castro
Q4) Write a note on case study of H&M.

SECTION-C

Q5) Write a detailed note on case study of Rana Plaza.
Q6) Explain as short notes:-
   a) Local Sourcing
   b) Zero waste techniques

SECTION-D

Q7) Write notes on Sustainable consumer practices
Q8) Write a short note on the following:-
   a) Upcycling
   b) Altering and Adapting Clothes

2124   13

Programme: **Post Graduate Diploma in Nutrition and Dietetics Semester-I**

Course Title: Physiology

Course Code: PNDL-1281

Time Allowed: 3 Hours   **Max Marks: 70**

Attempt five questions, selecting atleast one question from each section. The fifth question may be attempted from any section. All questions carry 14 marks.

Section-A

1. (a) Draw & explain cell structure.
   (b) Explain functions of inclusion bodies.   (7+7)
2. (a) What is blood pressure. What's is normal range, what do you understand by the term RH incompatibility.

                                                        (3)

   (b) What are blood groups. What do you understand by term Universal donor & Recipients.   (3)
   (c) Explain basic structure of heart & write brief overview of cardiac cycle.   (4+4)

Section-B

3. (a) Explain Regulatory functions of Kidney. (2)

   (b) Write about mechanism of Urine Formation. (2)

   (c) Role of kidney in homeostasis & regulation of body temperature. (3+3)

   (d) Explain structure of kidney. (4)

4. Write note On:-

   (a) Transmission of nerve impulse (3)

   (b) Synapse formation (3)

   (c) Sympathetic & Parasympathetic nervous system. (2.5+2.5)

   (d) Functions of nerve & Receptor cells. (3)

Section-C

5. (a) Explain Structure of respiratory system. (4)

   (b) Draw a Labelled diagram of human respiratory system. (4)

   (c) Write about Mechanism of Respiration & its regulation. (3+3)

6. (a) Explain functions & regulation of

   (i) Salivery glands

   (ii) Stomach

   (iii) Pancreas

(iv) Liver   (4x2.5=10)

(b) Role of Enzymes in digestion of carbohydrates and Proteins.   (2+2)

Section-D

7. (a) What are basic functions of Hormones.   (3)

   (b) What are types of Hormones. Explain any four.   (7)

   (c) Explain functions of Thyroid & Pancreas glands.

                                              (2+2)

8. (a) Explain function of male & female Sex Organs.

                                              (3+3)

   (b) Write Note on- Menstrual cycle.   (4)

   (c) Explain role of Hormones in reproduction Follide-Stimulating Hormone (FSH).   (4)

Post Graduate Diploma in Nutrition and Dietetics - Semester I

Course Title: Community Nutrition and Social Welfare

Course Code: PNDL-1282

Time: 3 Hours   Max. Marks: 70

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 14 marks.

Section-A

Q1. Discuss in detail about Health Care System. Give examples.

Q2. Explain the following with examples:-

a) Green Revolution

b) Enrichment

c) GM foods

Section-B

Q3. What is Food Adulteration? Explain various methods of detecting food adulteration at home.

Q4. What are the various causes of infection? Discuss the vicious cycle of Nutrition and Infection.

Section-C

Q5. Explain the methods of direct assessment of nutritional problems in community.

Q6. How do you conduct a nutritional education programme? Discuss the principles of executing the programme.

Section-D

Q7. What is Social Welfare? Discuss the broad fields of social welfare?

Q8. Describe the following Social Welfare agencies:-

a) All India Women's Conference

b) The Home Science Association of India

Programme: Post Graduate Diploma in Nutrition and Dietetics Semester-I

Course Title: Institutional Food Administration

Course Code: PNDL-1283

Time Allowed: 3 Hours   Max Marks: 70

Candidates are required to attempt five questions, selecting at least one question from each section. The fifth question may be attempted from any Section. Each question carry 14 marks.

SECTION A

1. What are various Quantity food production techniques.? How would you cook large quantities of food?

2. Define the term Personnel Management and write down the scope and importance of personnel management.

SECTION B

3. Briefly explain the staff development process in the food industry and also state principles governing it.

4. Explain the concept of wages, also state the relation between work and wages.

SECTION C

5. State the concept of costing in food industry .How can you control food cost.
6. What is the importance of financial management in food based enterprise.

SECTION D

7. Write a brief note on storage and serving unit of a food industry.
8. How important are equipment in food production ?How can we prevent equipment failure.

Post Graduate Diploma in Nutrition and Dietetics Semester I

Course Title: Basic Nutrition

Course Code: PNDL-1287

Time: 3 Hours   Max. Marks: 50

Note: Attempt five questions, selecting one question from each section. The fifth question can be attempted from any section. Each question carries 10 marks.

Section-A

Q1. Define the following terminologies
a) Food
b) Nutrients
c) Optimum Nutrition
d) Essential amino acids

Q2. Explain the different cooking methods. Give examples.

Section-B

Q3. Describe the methods of storage and use of egg, fish and poultry.

Q4. Write the various methods of food preparation.

Section-C

Q5. What is Protein? Write the functions and food sources of it.

Q6. Discuss the classification of fat. Give examples.

Section-D

Q7. Briefly discuss the factors affecting the BMR.

Q8. Write a short note on Specific Dynamic Action.

Programme: Post Graduate Diploma in Nutrition and Dietetics Semester-I

Course Title: Nutritional Biochemistry

Course Code: PNDM-1284

Time Allowed: 3 Hours   Max Marks: 50

Note: Candidates are required to attempt any five questions, selecting at least one question from each section. The fifth question may be attempted from any section. Each question carries 10 marks.

Section A

1. (a) Write the biological roles of carbohydrates.   (5)
   (b) Classified the total carbohydrates into various major and minor classes with examples.   (5)
2. (a) Arrange the total twenty standard amino acids into five main classes.   (5)
   (b) What are essential and non-essential amino acids in human? Also write their names.   (5)

Section B

3. (a) Write the only overview of glycolysis pathway. (5)

(b) What is TCA cycle? Prove that TCA cycle is amphibolic pathway. (5)

4. (a) Draw a schematic diagram which shows that blood sugar regulation in the human body. (5)

(b) Why ketone bodies are important? How ketone bodies are formed in body? (5)

Section C

5. (a) Write the general characteristics of enzymes. (5)

(b) Mentioned the main classes of enzymes with examples. (5)

6. (a) Explain about the two inborn errors present in human metabolism. (5)

(b) Write the general mechanisms of hormones action. (5)

Section D

7. (a) Write the biological roles of vitamins in normal human health. (5)

(b) Write the various roles of A and D. (5)

8. (a) Write the Biological role of vitamin C. (5)

(b) Write a short note on Antioxidants. (5)