

SEM I

PROGRAMMING WITH C

MARKS-30

NOTE:

- i. All questions are compulsory.
- ii Figures to the right indicate full marks.
- iii Draw neat and clean diagram whenever necessary.

**Q.1. Attempt two of the following: (one 7 marks and one 8 marks)****(15)**

- a) Explain the concept of Identifiers and Keywords (7)
- b) Define algorithm and flowchart symbols. Provide examples of each and their use in program design. (7)
- c) Discuss the different types of arithmetic operators in C and provide example (8)
- d) Explain the purpose of preprocessor directives in C. Provide examples of commonly used directive (8)

Q.2. Attempt two of the following: (one 7 marks and one 8 marks)**(15)**

- a) Explain the purpose of control flow statements in C. How do they affect the execution of a program? (7)
- b) What is a function in C? Discuss the benefits of using functions in programming. (7)
- c) Discuss the switch statement in C. What are its advantages over if-else chains? Include an example. (8)
- d) Discuss the relationship between pointers and arrays in C. How can pointers be used to manipulate array elements? (8)

FY BSc IT - Sem I - ATKJ- NEP - April 2025
Oct. 22-4.25



SET C

SUBJECT - IKS

COURSE- ~~FYBPM~~/FYBSCIT/FYBAF

MARKS - 30

TIME - 1 HOUR

Q 1 Attempt any Two.

6

1. Features of Indian Knowledge System.
2. Impact of Macaulay's Education Policy.
3. Ancient Education System
4. Pathashala

Q 2 Attempt any Three.

12

1. Key Principles of Ayurveda
2. Explain brief Key aspects of Indian Alchemy.
3. Ancient Indian contributions to Mathematics.
4. What are the key benefits of Ayurveda?
5. Integration of IKS and Arthashastra.

Q 3 Attempt any Three.

12

1. Significance of Aesthetics in the Indian Knowledge System.
2. Indian town planning and IKS
3. Importance of Sports in the Indian Knowledge System.
4. Benefits of Yoga.
5. Taxation in ancient India.



Dt: - 22.4.25

Sem 1-Exam 2024

Sub: Database Management System

Time: 1 hour

Marks: 30

Q1. Attempt any two (Out of four)

15M

1. Explain Database Management System.
2. Explain File Processing System.
3. Explain Hierarchical Model.
4. Explain Attributes.

8M

7M

8M

7M

Q2. Attempt any two (Out of four)

15M

1. Explain Anomalies.
2. Explain Joins with its types.
3. Explain SQL in detail.
4. Explain aggregate function with example.

8M

7M

8M

7M



Dt: 24.4.25

SET C

COURSE - FYBSCIT

MARKS 30

SUBJECT - INTRODUCTION TO COMMUNICATION SKILLS

TIME 1 HOUR

Q 1 Write any Two Short Notes.**10**

- 1) Advantages and Disadvantages of Face-to-Face Communication.
- 2) Seven Cs of Effective Communication.
- 3) Process of Communication
- 4) Parts of a Business Letter.

Q. 2 Read the passage given below and answer the questions/complete the statements that follow: (10 marks)

The 'Little Tramp', the unforgettable character Charlie Chaplin invented, was born purely by accident in 1915. While rushing to a film shoot in California, he grabbed clothes other people had left behind in the changing room. And when he emerged, he found he had created a personality everybody loved. A little guy in a bowler hat, a close-fitting jacket, a cane, outsize shoes and a brush-like moustache!

Before long, Chaplin found himself a star. That puzzled him, for he saw himself essentially as a shy British Music hall comedian. The U.S. acknowledged him as its king of silent film comedy. Soon, so did crowds all over the world.

But life wasn't always a laugh for Charles Spencer Chaplin. Both his parents were Music Hall artists, who separated when Charlie was very young. His childhood was very sad, for his mother never earned enough to look after Charlie and his older brother, Sydney. Sometimes, Chaplin had to sleep on the streets and forage for food in the garbage.

Charlie took his first bow on stage when his mother made her last appearance. It happened when her voice broke during a song. Her son stepped on stage and sang a popular song. That's when a star was born.

Through all these years of success, Charlie never forgot his troubled childhood. It made him recall a Christmas when he was denied two oranges and his bag of sweets for breaking a rule at the orphanage he went to after his mother's death. It would have broken his heart, if the other children had not offered him a share of theirs.

Spontaneously, the adult Chaplin gifted the orphanage with a motion picture machine and insisted that each child should have as many oranges and sweets as they pleased.

(A) Answer the following questions: (6 marks)

- (a) Which unforgettable character did Charlie Chaplin invent? 2
- (b) Describe the personality created by Charlie, whom everybody loved. 2
- (c) Give two reasons to show that his early life was very sad. 2

(B) Do as directed: (4 marks)

- (d) The word that means 'to search for food' is _____ (para 3) 1
 - (i) stepped (ii) forage (iii) emerged (iv) orphanage
- (e) What is meant by the word 'invented' ? (Para 1) 1
 - (i) created (ii) wrote (iii) struggled (iv) laughed
- (f) Find the word in the passage opposite in meaning to 'bold'? (Para 2) 1
 - (i) found (ii) shy (iii) silent (iv) puzzled
- (g) Find the word opposite in meaning to 'failure'? (Para 5) 1
 - (i) troubled (ii) share (iii) motion (iv) success

Q 3 Attempt any One of the following:

10

- 1) What are the Importance of Conversational Skills?
- 2) What are the Fundamental Elements of Presentation Skills?



Dt: 24.4.25

F.Y.B.A.M.M.C. : F.Y.B.SC. IT

Semister - I

Subject :- Marketing Mix - I

Marks : 30

Q 1. Case Study Analysis :

(10 Marks)

Henry Ford was the founder of Ford Motors introduced a Car know as Model T. Ford followed production concept by developing an efficient assembly line. He was able to cut down the production costs of Model T by around sixty percent and thus sell an affordable car to the average people of the United States. There were very few variations on the basic structure and functionality of the automobile for a long time. Henry Ford attained great success with the lower production costs for a period of time. However, he failed to recognize the changes in the pattern of needs and wants of the customers. Ford produced and sold the Model T for many years. During its production, the automobile market attracted more completion. Not only did the competition begin to offer cars in other colors, the styling of the competition was viewed as modern and the Model T became considered as old fashioned. Henry Ford's sons were aware of the changers in the automobile market and tried to convince their father to adapt. However, Henry Ford was sure that his standardized low-price automobile was what the public needed. Consequently, Ford turned to marketing techniques to sell the Model T. It continued to sell, but its market share began to drop. Eventually, even Henry Ford had to recognize consumer desires and introduce a new model.

- Q.1. Identify the marketing philosophies followed by Ford. what are its limitations?
 Q.2. Why is it necessary to recognize the needs and wants of the customers?
 Explain your viewpoint.

Q 2. Answer the following (Any One)

(10 Marks)

(a) Define Marketing ? Explain the features of Marketing.

OR

(b) What is product mix ? Explain the product mix dimensions.

Q 3. Answer the following (Any One)

(10 Marks)

(a) Explain the various internal and external factors affecting pricing decisions.

OR

(b) Explain the methods of pricing.

PYB-SC-IT: SEM-1 ATKT
(NBP) EXAM-APRIL-2025
25/04/25

Sem 1-Exam 2024

Sub: Fundamentals of Telecommunication System.



Time: 1hour

Marks:30

Q1. Attempt any two (Out of four)

15M

1. Define signal. State few examples.
2. Explain basic signal properties.
3. Explain the concept of functions and sequences in detail.
4. What is amplitude shifting and amplitude scaling.

8M

7M

8M

7M

Q2. Attempt any two (Out of four)

15M

1. Explain the concept of WIFI and Femtocells as small cell technologies.
2. What is quality of service control.
3. Explain evolution of 5G in Europe.
4. Explain evolution of wireless communication.

8M

7M

8M

7M

Exam- April- 2025

28/04/25

Sub-Indian Economy Policy

[Time: 1 Hour]

[Total Marks: 30]



Note:

1. Attempt any THREE questions out of given SIX questions.
2. Figures to the right indicate full marks.

Q.1. Explain the objectives of National Policy for the Empowerment of Women, 2001. Discuss its policy prescriptions related to economic empowerment of women. (10)

Q.2. Describe the Beti Bachao Beti Padhao Scheme in India. (10)

Q.3. Discuss the objectives of National Education Policy 2020. (10)

Q.4. Discuss the various factors determining Foreign Policy. Discuss the achievements of India's Foreign Policy. (10)

Q.5. What is India's Trade Policy? Discuss India and Sri Lanka trade relations. (10)

Q.6. Discuss the significance of SAARC for India and impact of SAARC on India. (10)

FYBSc IT - Sem I - NEP- ATKT- April 2025

Dt:- 26.4.25



FYBSc. IT ..SEM - I

I.P.R. LAW

Time: _1 hour.

Max. Marks : 30

NOTE; 1. Attempt any three of the Four questions of 10 marks each. 2. Illustrate answers with Case Law and sections where necessary. 3. Answer each question on a **new page**. .
4. Always write the full question No. and sub-No. in margin before answering.

Answer any three of the following four questions :

- Q.1 What are the objectives/ purpose of Intellectual Property Rights? (10)
OR
Q.1 What are the Characteristics of Intellectual Property Rights?
Q.2b State and explain the remedies for patent infringement? (10)
OR
Q.2c define trademark. What are the purpose and functions of trademark?
Q.3a What is Copyright? What are the features of Copyright Act, 1957? (10)
OR
Q.3b Write a note on geographical indication.
Q.4.a what are the benefits of intellectual property rights? (10)
OR
Q.4b Explain the significance of intellectual property rights? (10)
