

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Com. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
COMMERCE
Accounting for Everyone

Duration:2 Hours

Max Marks:60

SECTION – A

Answer any TWO questions:

(15×2= 30)

1. Explain the objectives and importance of Accounting.
2. Journalise the transactions in the book of Ramesh. Prepare necessary Ledger Accounts.
 - 1.Ramesh started a business by investing cash Rs.6,00,000
 - 2.Purchased goods on credit for Rs.30,000
 - 3.Sold goods on cash for Rs.20,000
 - 4.Deposited cash into the bank Rs.9,000
 - 5.Withdrew from the bank for personal use Rs.4,000
 - 6.Paid rent Rs.3,000
3. Prepare Trading and Profit and Loss Account and balance sheet from the following balances for the year ended 31-3-2021

Particulars	Rs.
Capital	200,000
Purchase	20,000
Sales	200,000
Wages	8,000
Salaries	25,000
Debtors	60,000
Creditors	35,000
Discount Received	10,000
Furniture	60,000
Machinery	29,000
Stock (1-4-2020)	60,000
Office Expenses	8,000
Tax and Rates	10,000

Adjustment :

Closing stock was valued at Rs.70,000.

4. Explain the provision pertaining to annual report of CSR, Business Responsibility, and Corporate Governance.

SECTION – B

Answer any **FOUR** questions :

(5×4= 20)

5. What are the utilities of Accounting Information?
6. Prepare a Trial Balance from the following figures.

Particulars	Rs.
Capital	3,00,000
Drawings	5,000
Purchase	7,500
Sales	8,500
Rent Paid	100
Wages	300
Machinery	40,000
Commission Received	5,000
Creditors	30,000
Furniture	2,90,600

7. Explain the features of recordable transactions and events.
8. Briefly explain the concept of Revenue and Capital.
9. What are the contents in the statement of profit and loss?
10. Write a note on Management Discussion and Analysis.

SECTION – C

Answer any **FIVE** questions :

(2×5= 10)

11. What is meant by Transaction?
12. What is Debit?
13. What is meant by Trial Balance?
14. Who is a creditor?
15. Expand BSE.
16. Who is a Shareholder?
17. Who is a Board of Director?

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Com. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
COMMERCE

Global Corporate and Business Law

Duration:2 Hours

Max Marks:60

SECTION – A

Answer any TWO questions:

(15×2= 30)

1. a) Explain the doctrine of the separation of powers and its impact on the legal system. **(5 Marks)**
b) Define Statutory Interpretation. Explain the rules of Statutory Interpretation **(10 Marks)**
2. Explain the formation of contract and its rule for creating contractual relations under UNCCISG.
3. Explain the operation of Letter of Credit and Letter of Comfort.
4. Describe the nature and legal control over Market abuse and Fraudulent and Wrongful trading.

SECTION – B

Answer any FOUR questions :

(5×4= 20)

5. Explain the inter-relationship of Economic, Political and Legal System.
6. Briefly explain the obligation of the buyer under the convention of UNCCISG.
7. Explain the powers and duties of a company secretary.
8. Write a note on Articles of Association of the company.
9. Write a note on dissolution of partnership.
10. Write a note on disqualification of a Director.

SECTION – C

Answer any FIVE questions :

(2×5= 10)

11. Differentiate between Court and Arbitration.
12. What is Negotiable bill of lading?
13. What is Agency by Estoppel?
14. What is Ordinary Resolution?
15. State any two characteristics of Partnership.
16. Who is De Jure Director?
17. What is Paid up share capital.

21COME15

Reg No :

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Com. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
COMMERCE
Corporate Communication

Duration:2 Hours

Max Marks:60

SECTION – A

Answer any TWO questions:

(15×2= 30)

1. Explain the patterns in communication network.
2. In an organisation, which barrier impedes the most? Explain
3. Read the passage given below and answer the questions/complete the statements that follow:

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.

Answer the following questions:

- (a) Which unforgettable character did Charlie Chaplin invent?
 - (b) Describe the personality created by Charlie, whom everybody loved.
 - (c) What did Charlie see himself as?
 - (d) Give two reasons to show that his early life was very sad.
 - (e) The word that means 'to search for food' is _____
 - (i) stepped (ii) forage (iii) emerged (iv) orphanage
 - (f) What is meant by the word 'invented' ?
 - (i) Created (ii) wrote (iii) struggled (iv) laughed
 - (g) Find the word in the passage opposite in meaning to 'bold' ?
 - (i) Found (ii) shy (iii) silent (iv) puzzled
 - (h) Find the word opposite in meaning to 'failure'?
 - (i) Troubled (ii) share (iii) motion (iv) success
4. Explain the types of communication channels used in organisations.

SECTION – B

Answer any FOUR questions :

(5×4= 20)

5. Write a precis for the passage given below.

Cardamom, the Queen of all spices, has a history as old as the human race. It is the dried fruit of a herbaceous perennial plant. Warm humid climate, loamy soil rich in organic matter, distributed rainfall and special cultivation and processing methods all combine to make Indian cardamom truly unique in aroma, flavor, size and it has a parrot green color.

Two types of cardamom are produced in India. The first type is the large one, which has not much significance as it is not traded in the future market. It is cultivated in North-eastern area of the country. The second type is produced in the Southern states and these are traded in the future market. These are mainly cultivated in Kerala, Tamil Nadu and Karnataka. As per the future market rules, only 7 mm quality was previously traded in exchanges. But later, it relaxed its norms, and now 6 mm quality is also traded in the exchanges.

The small variety, known for its exotic quality throughout the world, is now traded in India's commodity future exchanges. Traditional auction markets also exist for trading in small cardamom in the country.

Cardamom is an expensive spice, second only to saffron. It is often adulterated and there are many inferior substitutes from cardamom-related plants such as Siam cardamom, Nepal cardamom, Winged Java cardamom, etc. However, it is only *Elettaria cardamom* which is the true cardamom. Indian cardamom is known

in two main varieties : Malabar cardamom and Mysore cardamom. The Mysore variety contains levels of cineol and limonene and hence is more aromatic.

India was the world's largest producer and exporter of cardamom till the 1980s. By 1990s Guatemala emerged as the leading producer and exporter of cardamom. The main harvest season of cardamom in India is between August-February. Cardamom reaches yielding stage two years after planting. The primary physical markets of cardamom are Kumily, Vandenmedu, Thekkady, Puliarmala in Kerala and Bodynaikkannur and Cumbam in Tamil Nadu. Cardamom auctions also take place in Sakalespur and Sirsi in Karnataka.

North India is the main market for cardamom produced in the country. Normally, domestic demand goes up during the major festivals such as Diwali, Dussehra and Eid. Colour, size and aroma are the major variables that shape cardamom prices in the Indian market. Cardamom price formation in India is also influenced by the output in Guatemala as that country controls the global markets.

Kerala is the main producer of cardamom and contributes up to 60% in total production. Karnataka produces around 25% cardamom of the total production. Ooty is the main producer of cardamom in Tamil Nadu and contributes around 10-15% of the total production.

Besides India, Guatemala also produces around 2,200 ton cardamom. On the other hand, India produces nearly 1,000-2,000 ton cardamom per year. Due to low quality of cardamom from Guatemala, it remains available at cheaper rates. Moreover, cardamom of Indian origin fetches \$ 3-4 per kilogram higher rates than the ones from Guatemala.

6. Write a report to your manager, describing a new site for an upcoming project
7. Write a complaint letter to ABC Enterprises Pvt. Ltd about 10 toys being defective out of 100 pieces delivered.
8. Set an agenda for an organization meeting to discuss the effect of COVID 19 on the current sales. (Include speakers from sales and marketing, Finance and HR: Discuss the effects, the challenges, the future action plan etc).
9. Write an Article of about 250-300 words on the topic 'Impact of working from home on careers'.
10. Write an application letter for the post of accountant.

SECTION – C

Answer any FIVE questions :

(2×5= 10)

11. Change the following into Passive voice
Riya paid the bills
Who did this?

12. Give an example for main and subordinate clause.
13. Write the synonym and antonym for the word- common.
14. Change the following into indirect speech
James said to his mother, "I am leaving for New York tomorrow".
15. Change the following into passive voice
 1. Will you mop the floor?
 2. John helps William.
16. Give two examples for Connotations.
17. The phrase 'long for' means _____.

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Com. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
ECONOMICS

Pre-Reforms Indian Economy

Duration: 2 Hours

Max Marks: 60

Section - A

I. Answer any TWO of the following : **2×5= 10**

1. Write a note on objectives of Economic planning in India.
2. Write a note on Bombay plan and Gandhian plan.
3. Briefly explain the features of Foreign trade in India.
4. Why was there a need for an Import substitution policy?

Section - B

II. Answer any TWO of the following : **2×10=20**

5. For the following data set calculate HDI.

Dimension	Indicator	Max. Value	Mini. Value	Actual value	Actual value
				2011	2021
Health	Life expectancy (years)	75	35	78	68
Education	Expected years of schooling	100	0	90	94
	Mean years of schooling	100	0	60	70
Standard of living	GNI per capita	70,000	100	10,000	40,000

6. Briefly explain the concept of Black money.
7. Briefly explain the New Economic policy.
8. Define NITI Aayog. State the organisation and objectives of NITI Aayog.

Section - C

III. Answer any TWO of the following : **2×15= 30**

9. Explain the causes and consequences of Poverty.
10. Examine the achievements of Agricultural sector in India.
11. Explain the sources of Public revenue in India.
12. Define Exchange rate? Explain the kinds of Exchange rate.

21JMCE11

Reg. No.

**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.A./B.B.A/B.C.A FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
Writing for Media**

Duration: 2 hours

Max Marks: 60

SECTION – A

I. Answer any FIVE of the following: 5×10=50

- 1) What are the rules and ethics of writing for Mass Media?
- 2) Asses radio as a Mass Communication Media. Give tips to make a radio script effective.
- 3) Consider yourself as a podcaster, then, explain how you would go about doing a Women's day programme on your podcast.
- 4) What are different formats of Radio Programme? Explain.
- 5) List the elements of a feature story.
- 6) Write a script for any entertainment programme for your television channel.
- 7) What is the importance of headline to a news story? What are the different types of headlines?
- 8) Write short notes on a) Trolling b) Fake news

II. Answer any TWO of the following: 2×5=10

- 9) Write on editorial on a) Vaccination Drive
OR
b) NEP
- 10) Write a letter to the editor on a) Civic problem in your city
OR
b) Wastage of food
- 11) Prepare a PSA for radio on 'Anti Smoking'.
- 12) Prepare a script for 5 minutes radio skit on Covid-19 awareness.

21ECO14

Reg No :

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Com. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022

ECONOMICS
Business Economics

Duration:2 Hours

Max Marks:60

Section - A

I. Answer any TWO of the following :

2×5= 10

1. Write a short note on Economic Laws.
2. Write a short note on Prosperity stage of Business cycle.
3. Write a note on the survey method of Demand forecasting.
4. State the Law of Returns to Scale.

Section - B

II. Answer any TWO of the following :

2×10=20

5. Briefly explain the significance of Business Economics.
6. Discuss the causes of Business cycle.
7. Explain the concept of Risk Analysis.
8. Explain Law of Supply.

Section - C

III. Answer any TWO of the following :

2×15= 30

9. Define Price elasticity of supply. What are the degrees of Price elasticity of supply?
10. Define Monopoly. Explain the features of Monopolistic competition.
11. Define Demand Forecasting. Explain the various methods of Demand Forecasting.
12. Define Demand. Explain its determinants.

21OPME11

Reg. No.

**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.A./B.Sc./B.C.A. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
Paper – I: Entrepreneurship Development Programme**

Duration: 2 hours

Max Marks: 60

SECTION – A

Answer any TWO of the following:

2×5=10

- 1) Who is a Women Entrepreneur? Explain the functions of a Women Entrepreneur.
- 2) What is a “SWOT” Analysis? Explain with an example.
- 3) State the objectives of MSME’s.

SECTION – B

Answer any TWO of the following:

2×10=20

- 4) Explain the objectives and techniques of Market Survey.
- 5) State the various problems faced by Women Entrepreneurs.
- 6) Explain the institutional support available for MSME’s.

SECTION – C

Answer any TWO of the following:

2×15=30

- 7) Explain the different types of Entrepreneurs.
- 8) Explain various advantages and disadvantages of MSME’s.
- 9) Briefly explain the procedure of conducting “SWOT” Analysis.

21HISE11

Reg. No.

**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.A. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
Paper – I: Introduction to Archaeology**

Duration: 2 hours

Max Marks: 60

SECTION – A

Answer any TWO of the following: 2×5=10

- 1) What is Artifact?
- 2) What is Salvage Archaeology?
- 3) What is Underwater Archaeology?
- 4) What is New Archaeology?

SECTION – B

Answer any TWO of the following: 2×10=20

- 5) Examine the features of the Chalcolithic and Iron Age Culture.
- 6) What is Antiquarianism and Dilettantism?
- 7) What is Aerial Photography? Explain its importance in the Archaeological Exploration.
- 8) What is Archaeological Excavation? Describe the Quadrant method of Excavation.

SECTION – C

Answer any TWO of the following: 2×15=30

- 9) Summarise the nature and scope of Archaeology.
- 10) Examine the evolutionary features of the Prehistoric cultures.
- 11) Evaluate the contributions of Sir John Marshal and Mortimer wheeler for the development of Indian Archaeology.
- 12) Analyse the Techniques of Archaeological exploration with special reference to surface survey.

**CHOICE BASED CREDIT SYSTEM SEMESTER SYSTEM
FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
Spoken English for Corporate Jobs**

Duration: 2 hours

Max Marks: 60

SECTION – A

I. Read the following questions carefully and answer in one line each: 10×2=20

- a) Ask permission from your father to go out for dinner with your friends.
- b) Your supervisor requests you to work on Sunday to meet an upcoming deadline. Deny her request politely.
- c) Ask the person next to you for the time.
- d) Introduce yourself to a class, as you have joined late to college.
- e) You are tasked with presenting the latest iphone to a customer. Use the appropriate expression in one line to persuade him/her.
- f) You are confused with your course of study. Consult a counselor for advice.
- g) A colleague forgets to proof read his work for errors and has unfortunately sent his work to his superior. Your advice: inform the superior immediately and resubmit the work.
- h) You have missed the deadline for submitting the assignment. Apologise to the teacher.
- i) Your professor criticizes you for not paying attention in class. Respond to her criticism.
- j) While introducing you to your new team, your supervisor mistakenly states that you have completed your B.Sc. Politely correct him/her.

SECTION – B

II. Answer any ONE of the following: 1×5=5

- a) Give instructions to go from St. Agnes to City Centre Mall
- b) Give instructions on how to plant a seed.

SECTION – C

III. Answer any ONE of the following: 1×5=5

- a) Draft a dialogue for the following situation:
You had ordered food from Zomato. However, due to rains, your food arrived 2 hours late. Furthermore, some items are missing. Make a complaint to Zomato about your delayed food delivery. Also include the response by the company with regard to your complaint.
- b) Frame sentences using the following work related phrases:
 - i) Throw money down the drain
 - ii) Miss the mark

- iii) To move the goal posts
- iv) Cut corners
- v) Burn the midnight oil.

IV. Answer any ONE of the following in about 100-200 words: **1×5=5**

- a) What are some of the barriers to cross-cultural communication?
- b) You are a new hire at an MNC in Dubai. What are some things to keep in mind about cross cultural etiquette?

V. Answer any ONE of the following in about 100-200 words: **1×5=5**

- a) What are the steps to creating and delivering a good presentation?
- b) You have to present the latest iphone. Briefly write the script for your presentation.

VI. Answer any ONE of the following in about 250-300 words: **1×10=10**

- a) Introduce the chief guest, veteran actor, Amitabh Bachchan to the audience for a workshop on theatre and drama.
- b) Draft vote of thanks at the wedding anniversary programme of your parents.

VII. Answer any ONE of the following in about 250-300 words: **1×10=10**

- a) Give a speech on the importance of mental health.
- b) Give a speech on the occasion of your colleague's birthday party.

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Sc. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022
MATHEMATICS - 1

Duration: 2 hours

Max Marks: 60

PART A

Answer any 8 questions. Each question carries 2 marks:

2×8=16

- 1) If $\gcd(a, b) = d$ then prove that $\gcd\left(\frac{a}{d}, \frac{b}{d}\right) = 1$.
- 2) Find the LCM of 75 and 125 if their GCD is 25.
- 3) Find the remainder obtained upon dividing the sum $1!+2!+3!+\dots+100!$ by 12.
- 4) Check whether the Diophantine equation $14x + 35y = 93$ has a solution or not?
- 5) For any square matrix A , prove that $A + A'$ is symmetric and $A - A'$ is skew symmetric.
- 6) Give an example of a 3×4 echelon matrix.
- 7) Under what condition, a system $AX=B$ of m linear equations in n unknowns
 - a) has unique solution
 - b) has infinitely many solutions
- 8) Using the definition, find the rank of the matrix $\begin{bmatrix} 2 & -1 & 3 & 15 \\ 3 & 2 & 0 & 21 \end{bmatrix}$.
- 9) State Rolle's Theorem.
- 10) Verify the Lagrange's mean value theorem for $f(x) = \log x$ in $[1, e]$.
- 11) If in the Cauchy's mean value theorem $f(x) = x^2$ and $F(x) = x$ then find 'c' for the interval $[-1, 3]$.
- 12) Evaluate: $\lim_{x \rightarrow 0} \left[\frac{x-2x^2}{3x^2+5x} \right]$.

PART - B

Answer any 11 questions by selecting at least 3 questions from each UNIT. Each question carries 4 marks:

4×11=44

UNIT-I

- 13) If $a|c$ and $b|c$ with $\gcd(a, b) = 1$ then prove that $ab|c$.
- 14) Find all solutions in the integers for the following Diophantine equation $56x + 72y = 40$.
- 15) If a cock is worth 5 coins, a hen 3 coins and three chicks together 1 coin, calculate how many cocks, hens and chicks totaling 100 can be bought for 100 coins?

- 16) Let $N = a_m 10^m + a_{m-1} 10^{m-1} + \dots + a_2 10^2 + a_1 10 + a_0$ be a decimal expansion of a positive integer $0 \leq a_k < 10$. Let $T = a_0 - a_1 + a_2 - \dots + (-1)^m a_m$. Prove that $11|N$ if and only if $11|T$.
- 17) Solve the linear congruence: $6x \equiv 15 \pmod{21}$.

UNIT-II

- 18) Express the following matrix A, as the sum of symmetric and skew symmetric matrices where $A = \begin{bmatrix} 1 & -1 & 6 \\ 2 & 7 & 3 \\ 8 & -4 & 0 \end{bmatrix}$.
- 19) Using elementary operations find the rank of the matrix $\begin{bmatrix} 2 & 1 & 3 \\ 4 & 2 & 1 \\ 4 & 2 & 6 \end{bmatrix}$.
- 20) Compute the inverse of the following matrices by elementary transformation:
 $\begin{bmatrix} 1 & -3 & 2 \\ 2 & 0 & 0 \\ 1 & 4 & 1 \end{bmatrix}$
- 21) Find the solution of the system $x_1 - x_2 + x_3 = 0$, $x_1 + 2x_2 + x_3 = 0$ and $2x_1 + x_2 + 3x_3 = 0$.
- 22) Verify Cayley – Hamilton theorem for the matrix $A = \begin{bmatrix} 2 & 1 \\ 3 & -2 \end{bmatrix}$.

UNIT-III

- 23) Verify Rolle's theorem for $f(x) = x(x + 3)e^{-x/2}$ in $[-3, 0]$.
- 24) Verify Cauchy's mean value theorem for $f(x) = x^2$ and $g(x) = x^4$ in the interval $[1, 3]$.
- 25) Using Maclaurin's series show that for all x in \mathbb{R}

$$\cos x = 1 - \frac{x^2}{2!} + \frac{x^4}{4!} - \frac{x^6}{6!} + \dots + (-1)^{2n} \frac{x^{2n}}{(2n)!} + \dots$$
- 26) Evaluate: $\lim_{x \rightarrow 0} \frac{xe^x - \log(1+x)}{x^2}$.
- 27) Evaluate: $\lim_{x \rightarrow 0} \frac{\log \sin x}{\cot x}$.

**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Sc. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022**

ZOOLOGY

Economic Zoology

Duration: 2 hours

Max Marks: 60

UNIT – I

I. Answer the following:

5×4=20

1. Give an account on history of sericulture in India.
- OR**
2. Mention the uses of honey and bee wax.

UNIT – II

3. Explain the nutritive value of egg.
- OR**
4. Discuss the scope of Aquaculture.

UNIT – III

5. Define Fish culture. Give an account of common fishes used for fish culture.
- OR**
6. Write an explanatory note on preservation and processing of Prawns.

UNIT – IV

7. Briefly explain the scope of vermiculture.
- OR**
8. Write a note on uses of Lac.

II. Answer the following:

10×4=40

UNIT – I

9. Explain in detail on silk – worm rearing techniques.
- OR**
10. Discuss the colony organization and diversion of labour in honey bee.

UNIT – II

11. Describe carp culture.
- OR**
12. Explain the loose – housing system and conventional barn system in Dairy farming.

UNIT – III

13. Briefly explain the breeding techniques of ornamental fishes.
- OR**
14. With neat labeled diagram explain the construction and maintenance of an Aquarium.

UNIT – IV

15. Define vermiculture. Give an account on different species of earth worm used in vermiculture.

OR

16. Discuss the different steps involved in the process of Lac – cultivation.

21BOTE11

Reg. No.

**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Sc. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022**

BOTANY

Plants and Human Welfare

Duration: 2 hours

Max Marks: 60

Answer the following strictly observing the internal choice provided: 12X5=60

1. a) Explain the concept of centers of origin of crops with reference to Vavilov's work.

OR

- b) What are genetic resources? Discuss different methods of conservation of plant genetic resources.

2. a) Explain the concept of Millets in brief and mention their nutritional importance.

OR

- b) Write a note on origin, morphology and uses of Wheat.

3. a) What are Legumes? Discuss morphology and uses of Green gram and Chick pea.

OR

- b) Give a brief account of Legumes and mention their significance in daily life.

4. a) Explain origin, morphology, cultivation and uses of any one Citrus crop.

OR

- b) Write the botanical name, family and uses of Mango and Grapes.

5. a) Mention the botanical name of Rubber. Describe tapping and processing of Rubber.

OR

- b) Discuss the varieties and method involved in processing of Sugarcane.

6. a) List out botanical name, family, parts used and economic importance of any two spices.

OR

- b) Discuss the role of spices in daily life.

7. a) Discuss morphology, processing and uses of Coffee.

OR

- b) Write a note on beverage yielding crops.

8. a) Explain the extraction process and the uses of coconut oil.

OR

- b) Write a note on non-edible oil yielding trees and mention their importance.

9. a) What are essential oils? Discuss their economic importance.

OR

- b) Write the botanical name, family, part used and uses of Sandalwood.

10. a) Write a note on drug yielding plants.

OR

b) Mention the botanical name, family and therapeutic values of *Cinchona* and *Cannabis*.

11. a) Explain processing and uses of Cotton.

OR

b) Discuss the Fiber yielding plants with example.

12. a) Discuss the different methods of conservation of forest resources.

OR

b) Expand NTFP. Discuss the role of community in forest conservation.

CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.Sc. FIRST SEMESTER DEGREE EXAMINATION MARCH 2022

CHEMISTRY
Chemistry in Daily Life

Duration: 2 hours

Max Marks: 60

PART A

- I. Answer any FIVE of the following: .** **5×2=10**
1. Mention any two methods of analysis of fat content in milk.
 2. What are artificial sweeteners? Give an example.
 3. What are vitamins?
 4. What is the use of detergents?
 5. Give any two applications of secondary batteries.
 6. Give the classification of polymers based on molecular forces.

PART – B

- II. Answer any FIVE of the following choosing atleast one question from each unit:** **5×10=50**

UNIT-I

7. a) Explain the method of analysis of caffeine in coffee and tea. **(4)**
b) What is the role of Dulcin and sodium cyclamate in food? **(3)**
c) How do you detect the presence of Rhodamine and lead chromate in spices?(3)
8. a) Briefly explain the role of Nitriles and propionates in food. **(4)**
b) Write a short note on coal tar dye. **(3)**
c) How do you analyse methyl alcohol in alcoholic beverages. **(3)**

UNIT-II

9. a) Explain the principle and procedure for the determination of cotton seed oil by Halphen's test. **(4)**
b) What are the diseases caused by the deficiency of vitamin A1 and vitamin B1 and mention their symptoms. **(3)**
c) Explain the following: i) Rinse aid ii) Drain cleaners **(3)**
10. a) Explain any two methods of detecting purity of edible oils. **(4)**
b) Write a note on action of soap on dirt. **(3)**
c) Explain the classification of vitamins. **(3)**

UNIT-III

11. a) Explain the classification of polymers, based on structure and mode of polymerisation. **(4)**
b) Explain the principle of a primary battery with diagram. **(3)**
c) Write a note on Energy storer. **(3)**
12. a) Explain the principle and applications of fuel cells. **(4)**
b) Write a note on Recycled plastics. **(3)**
c) Explain the terms i) Thermosetting and ii) Thermoplastic polymers **(3)**

21BBAE11

Reg. No.

**CHOICE BASED CREDIT SYSTEM SEMESTER SCHEME
B.C.A FIRST SEMESTER DEGREE EXAMINATION MARCH 2022**

BUSINESS MANAGEMENT

Business Organization

Duration: 2 hours

Max Marks: 60

SECTION – A

Answer any TWO of the following:

2×15=30

- 1) Define Business. State the essentials of a successful business.
- 2) What is Business Combination? Explain the causes of business combination.
- 3) What is meant by public corporations? Explain its characteristics, merits and demerits.

SECTION – B

Answer any THREE of the following:

3×7=21

- 4) Distinguish between Management and Administration.
- 5) What are the merits and demerits of Departmental Undertakings?
- 6) Explain the functions of Chamber of Commerce.
- 7) State the features of Sole Trading Concerns.

SECTION – C

Answer any THREE of the following:

3×3=9

- 8) List out the functional areas of business.
- 9) What is a partnership deed?
- 10) Write a note on Levels of Management.
- 11) Name any two departmental undertakings functioning in India.
