



Annai Hajira Women's College

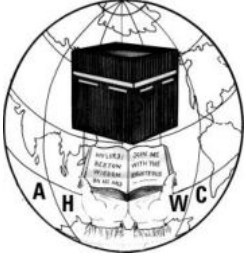
Melapalayam, Tirunelveli-05

(A Unit of As-Sathiq Educational Society)

(Affiliated to Manonmaniam Sundaranar University)

CIA QUESTION PAPERS

2022-2023



Annai Hajira Women's College

Melapalayam, Tirunelveli-05

(A Unit of As-Sathiq Educational Society)

(Affiliated to Manonmaniam Sundaranar University)

DEPARTMENT OF ENGLISH



Annai Hajira Women's College
Melapalayam, Tirumelveli
I Semester, II Internal Examination – October 2022
I BA English
ENVIRONMENTAL STUDIES

Date: 28/10/2022
Subject Code: CEVS11

Time: 1hr
Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. The set of eco system is called a -----
(a) Biome
(b) Climate
(c) Subsystem
(d) Structure
2. Where you can see rich diversity?
(a) Lake
(b) Rivers
(c) Oceans
(d) Estuaries

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Describe the functions of eco system.
(OR)
(b) Explain the forest eco system.
4. (a) Write a short note on biotic and non-biotic components.
(OR)
(b) What are the features of species of diversity?

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

5. (a) Explain the characteristics of eco system.
(OR)
(b) Explain elaborately desert eco system.

No. of copies: 45

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Annai Hajira Women's College
Melapalayam, Tirumelveli

I SEMESTER, II INTERNAL EXAMINATION – OCTOBER 2022

I BA English

Professional English for Arts & Sciences I

Date: 29/10/2022

Time: 1hr

Subject Code: CPSS11

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

- _____ is one of the effective forms of Brainstorming.
(a) Essay writing
(b) Mind Mapping
(c) Story Writing
(d) Hints Developing
- Which one of the following is NOT a type of Listening?
(a) Informational
(b) Perfectional
(c) Critical
(d) Empathetic

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

- (a) Write definitions for the following terms:
(i) Migration (ii) Poverty
(iii) Aristocracy (iv) Bank
(v) Patriarchal Society
(OR)
(b) Sketch mind-map for "Personality types"

- (a) What is Brain-storming? Explain one of its forms with example

(OR)

- (b) Describe the following picture, and give a suitable caption to the picture:



PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

- (a) Write an essay on "Your experience under Covid-19 Lockdown"

(OR)

- (b) Read the transcript of APJ Kalam's speech and answer the questions given below:

APJ Abdul Kalam's speech at IIT Madras 2010

Friends, before I begin my address I want to share a thought with all the youth present here. I have met, so far, 11 million youth like you in a decade's time, in India and abroad. I have seen their hopes, experienced their pains, walked with their aspirations and heard through their despair. All this experience made me learn something about them, which I would like to share with you:

I learnt, every youth wants to be unique, that is, YOU! But the world all around you, is doing its best, day and night, to

make you just "everybody else". Being like everybody else is convenient at the first glance, but not satisfying in the long vision.

The challenge, therefore, my young friends, is that you have to fight the hardest battle, which any human being can ever imagine to fight; and never stop fighting until you arrive at your destined place, that is, a UNIQUE YOU! Being unique will require excellence, let us understand 'what is excellence in more detail...'

Excellence is a self-imposed self-directed life-long process. Excellence is not by accident. It is a process, where an individual, organization or nation, continuously strives to better oneself. The performance standards are set by themselves, they work on their dreams with focus and are prepared to take calculated risks and do not get deterred by failures as they move towards their dreams. Then they step up their dreams as they tend to reach the original targets. They strive to work to their potential, in the process, they increase their performance thereby multiplying further their potential and this is an unending life cycle phenomenon. They are not in competition with anyone else, but themselves.

In this context, I will talk to you about four important aspects in life with my experiences. Aim in life, Acquiring Knowledge, Working Hard towards your dream even in the times of difficulty and then finally how to manage failures and success in life.

QUESTIONS:

1. What does the author mean when he says 'I have seen their hopes...Heard through their despair'?
2. What does the author mean by "UNIQUE YOU"?
3. What does the world around you wants you to be according to the passage?

4. How according to the author APJ Abdul Kalam, the pursuit of excellence achieved?

What is the "unending life-cycle phenomena" that the author is referring to?

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Annai Hajira Women's College
Melapalayam, Tirunelveli

I SEMESTER, II INTERNAL EXAMINATION – OCTOBER 2022

I BA English

BRITISH POETRY

Date: 31/10/2022

Subject Code: CMEN11

Time: 1hr

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

- To His Coy Mistress is -----
(a) A love poem
(b) An elegy
(c) A sonnet
(d) A lyric
- The poet complains that he has fallen upon the -----of life and bleed.
(a) Misfortune
(b) tragedy
(c) thrones
(d) fortune

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

- (a) What does the 'Lamb' Stand for? Explain
(OR)
(b) Comment briefly on the conceits in the poem *To His Coy Mistress*

- (a) Explain how the West wind is both "Destroyer and Preserver"

(OR)

- (b) Write a note on Shelly's Identification with the 'West Wind'

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

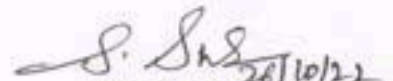
- (a) Give the central thought of the poem *Ode to the West Wind*.

(OR)

- (b) How is the spirit of childhood glorified in the poem *The Lamb*?

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Annai Hajira Women's College
Melapalayam, Tirunelveli

I SEMESTER, II INTERNAL EXAMINATION – OCTOBER 2022

I BA English

SOCIAL HISTORY OF ENGLAND

Date: 01/11/2022

Subject Code: CMEN12

Time: 1hr

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. ---- was the leader of the Reformation movement.

- (a) Christopher Marlowe
- (b) Sir Thomas Moore
- (c) Martin Luther
- (d) William Tyndale.

2. The Pamphlet "The Supplication of the Beggars" was addressed to----

- (a) Henry VIII
- (b) James II
- (c) Edward II
- (d) Elizabeth

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

1. (a) Write a note on Spanish Armada

(OR)

(b) Write a note on Anti-clericalism

2. (a) What are the effects of the Reformation?

(OR)

(b) What are the results of the Dissolution of Monasteries?

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

3. (a) Attempt an essay on England in the Age of Caxton in English Social History by G.M. Trevelyan.

(OR)

(b) Write an essay on England at the time of Shakespeare by G.M. Trevelyan.

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Annai Hajira Women's College
Melapalayam, Tirunelveli

I SEMESTER, II INTERNAL EXAMINATION – OCTOBER 2022

I BA English
LITERARY FORMS

Date: 02/11/2022
Subject Code: CAEN11

Time: 1hr
Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

- The----- is an actor's secret thoughts uttered aloud on the stage.
(a) Listening
(b) Soliloquy
(c) Monologue
(d) Speech
- is a term in which one character speaks throughout the poem.
(a) Dramatic Monologue
(b) Soliloquy
(c) Metaphor
(d) Ballad

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

- (a) What are the types of tragedy? Explain.
(OR)
(b) Define Farce with examples.
- (a) Write a note on the tragic-comedy.
(OR)
(b) How did the plot revolve in Melodrama?

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

- (a) Write an Essay on the literary term 'Dramatic Monologue'
(OR)
(b) Attempt an essay on One-Act Play and its characteristics.

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Annai Hajira Women's College
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III SEMESTER, III INTERNAL EXAMINATION – OCTOBER 2022

II BA English
BRITISH PROSE

Date: 27/10/2022
Subject Code: CMEN31

Time: 1 hr
Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. The essay *Sir Roger at church* is published in _____.
(a) The Tatler
(b) The Spectator
(c) The Rambler
(d) The London Magazine
2. The essay *Vanishing Animals* is by _____.
(a) Viscount Grey
(b) Virginia Woolf
(c) William Hazlitt
(d) Gerald Durrell

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer the following choosing either (a) or (b) from the following:

3. (a) What are the views of Gerold to the problems of the animals facing the threat of extinction?

(OR)

(b) How does Orwell describe the types of people who gave trouble to book shops?

4. (a) How is Sir Roger portrayed by Joseph Addison in *The Spectator*?

(OR)

- (b) How does Sir Roger encourage the people to come to church?

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer the following choosing either (a) or (b) from the following:

5. (a) Attempt an essay on the easen and grace of Addison's style reflected in the essay *Sir Roger De Coverly's Sunday*.

(OR)

- (b) write an essay on George Orwell's *Book Shop Memories*

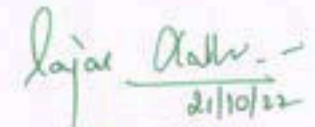
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Annai Hajira Women's College

Melapalayam, Tirunelveli

III Semester, III Internal Examination – October 2022

II BA English

INDIAN ENGLISH LITERATURE I

Date: 28/10/2022

Subject Code: CMEN32

Time: 1 hr

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. Bibhuti succeeds in his mission of building a wall across Muktaadhara after his attempts of ----- years.

- (a) Six
- (b) Eleven
- (c) Sixteen
- (d) Twenty-five

2. The narrator respected Labhu as a -----

- (a) Story teller
- (b) Liar
- (c) Shikari
- (d) Traveller

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer the following choosing either (a) or (b) from the following:

3. (a) Sketch the character of Labhu

(OR)

(b) Bring out the narration of the stories told by Labhu which impressed the narrator.

4. (a) Compare and contrast Abhijit & Bibhuti

(OR)

(b) Explain Tagore's play as a political satire

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer the following choosing either (a) or (b) from the following:

5. (a) How is "Story-telling is an Art" brought out in the short story *Liar*

(OR)

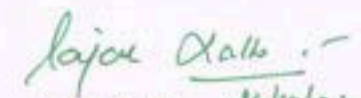
(b) How does Tagore explain the conflict of Man and Culture through his drama *Muktadhara*?

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III Semester, III Internal Examination – October 2022

II BA English

AFRICAN LITERATURE

Date: 29/10/2022
Subject Code: CAEN31

Time: 1 hr
Marks: 20

PART-A

2 x 1 = 2

Answer ALL questions

I. Choose the correct answer:

1. Who is the author of the novel 'A Guest of Honour'?
(a) Chinua Achebe
(b) Nadine Gordimer
(c) Wole Soyinka
(d) MaazaMengiste
2. Ettore Navarra is a _____
(a) Italian colonel
(b) Photographer
(c) Emperor
(d) Peasant

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer the following choosing either (a) or (b) from the following:

3. (a) Sketch the character of Hirut.
(OR)
(b) Sketch the character of James Bray.
4. (a) Explain the African stereotype in the prose 'The Danger of a Single Story'.
(OR)
(b) Write a paragraph on symbols and motifs in "The Shadow King".

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer the following choosing either (a) or (b) from the following:

5. (a) "A Guest of Honour" is a fictional novel. Explain

(OR)

- (b) Elucidate the central theme of the novel "The Shadow King"

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Annai Hajira Women's College

Melapalayam, Tirunelveli - 05

III SEMESTER, III INTERNAL TEST- OCTOBER 2022

II B.A., - ENGLISH

MATHEMATICS FOR COMPETITIVE EXAMINATIONS-I

Duration: 1 Hr.

Subject code:CNMA31

Marks: 20

Date:31.10.2022

PART -A

(2 X 1=2 marks)

I. Choose the correct answer

1. If S.P is greater than C.P, the seller is said to have a _____
- a) profit
 - b) loss
 - c) common loss
 - d) none

2. A man buys an article for Rs. 27.50 and sells it for Rs28.60.

Find his gain percent

- a) 3%
- b) 4%
- c) 5%
- d) 6%

PART -B

(2 X 5=10 marks)

II. Answer the following

3.(a) A person incurs 5 % loss by selling a watch for Rs1140. At what price should the watch be sold to earn 5% profit?

(OR)

(b) An article is sold at a certain price. By selling it at $\frac{2}{3}$ of that price one loses 10%. Find the gain percent at original price.

4. (a) i) Find the single discount equivalent to a series discount of 20%, 10% and 5%

ii) A dishonest dealer professes to sell his goods at cost price but uses a weight of 960 gms for a kg weight. Find his gain percent.

(OR)

(b)After getting two successive discounts, a shirt with a list price of Rs 150 is available at Rs 105. If the second discount is 12.5%. Find the first discount.

PART -C

(1 X 8=8 marks)

III. Answer the following

5. (a) A man sells an article at a profit of 25%. If he had bought it at 20% less and sold it for Rs 10.50 less, he would have gained 30%. Find the cost price of the article.

(OR)

(b) The price of a jewel, passing through three hands, rises on the whole by 65%. If the first and the second sellers earned 20% and 25% profit respectively, find the percentage profit earned by the third seller.

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Annai Hajira Women's College
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III Semester, III Internal Examination – October 2022

II B.A / B.Sc/ B.Com

PART II ENGLISH

Date: 2/11/2022

Subject Code: CZEN31

Time: 1 hr

Marks: 20

No. of copies: 155

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. J.B.Priestly considers _____ as the best place for lounging
(a) The Plains
(b) His friend's house
(c) The Moor
(d) His workplace
2. "Nor the peaceful farmer any peace, ploughing his field or gathering his grain".
The Farmer is denied peace by.
(a) Ploughing the Field
(b) Gathering his grain
(c) Working on the Farm
(d) the beating of the drums.

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) How does J.B.Priestley describe the moor?
(OR)
(b) List out any four activities affected by the beating of Drums
4. (a) What work Savitri does to earn a livelihood?
(OR)
(b) List out any five consonants sound any give some examples

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer the following choosing either (a) or (b) from the following:

5. (a) Bring out the ideas of Priestly in defense of doing nothing
(OR)
(b) Explain the mental state of Ramani after the exit of Savitri.

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Annai Hajira Women's College
Melapalayam, Tirunelveli

V SEMESTER, III INTERNAL EXAMINATION – OCTOBER 2022

III BA English
NON-FICTION

Date: 26/10/2022
Subject Code: AMEN51

Time: 1hr
Marks: 20

PART-A

Answer ALL questions 2 x 1 = 2

I. Choose the correct answer:

1. What did Gardiner do when he was the only passenger left on the train?
(a) He sang and danced
(b) He went to sleep
(c) He stretched and stood up
(d) He opened the windows
2. When was the first time the doctor met the young man?
(a) About 25 years ago
(b) On a previous trip to New York
(c) Recently in November
(d) In his clinic long ago

PART-B

Answer ALL questions 2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Describe Gardiner's fellow traveller.
(OR)
(b) What is the constant quarrel between the two selves according to Lynd?

4. (a) What circumstances forced the young man to consider suicide?

(OR)

- (b) Why is the modern method of flattery a 'splendid method'?

PART-C

Answer ALL questions 1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

5. (a) Comment on the prose style of A.G. Gardiner.

(OR)

- (b) Why does Lynd call the person who saves all the time as a 'monument of selfish self-denial'?

No. of copies: 35

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Annai Hajira Women's College
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V SEMESTER, III INTERNAL EXAMINATION – OCTOBER 2022

III BA English

LITERARY CRITICS & APPROACHES

Date: 27/10/2022

Time: 1hr

Subject Code: AMEN52

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. Who considered historical and personal estimates as fallacious?

- (a) Tennyson
- (b) Arnold
- (c) Ruskin
- (d) Carlyle

2. Wordsworth and _____ jointly wrote Lyrical Ballads.

- (a) Coleridge
- (b) Shelley
- (c) Southey
- (d) Keats

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Discuss the importance of Historical Approach according to Dr. Johnson

(OR)

(b) Explain Wordsworth's concept of Poetry.

4. (a) Comment on Arnold's Touchstone Method

(OR)

(b) Describe Formalistic Approach.

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

5. (a) Describe Dr. Johnson's concept of Poetry.

(OR)

(b) Mention the main Practitioners of Formalistic criticism and their contribution to literature.

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Annai Hajira Women's College
Melapalayam, Tirumelveli

V Semester, III Internal Examination – October 2022

III BA English

WORLD LITERATURE IN TRANSLATION

Date: 28/10/2022

Time: 1hr

Subject Code: AMEN53

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

- _____ is a woodcutter before becoming a priest.
(a) Pelayo
(b) Father Gonzaga
(c) Spider Women
(d) Elisenda
- In which year Herman Hesse won the Nobel Prize for Literature?
(a) 1946
(b) 1947
(c) 1948
(d) 1949

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

- (a) Why does the angel fly off to the horizon leaving Elisenda relieved?
(OR)
(b) How does Father Gonzaga restrain the crowd?
- (a) Analyse the character of Siddhartha.
(OR)
(b) What is the function of the river and of Vasudeva in this novel?

PART-C

Answer ALL questions

1 x 8 = 8


III. Answer choosing either (a) or (b) from the following:


- (a) Write a critical appreciation of the story "A Very Old Man with Enormous Wings" by Gabriel Garcia.

(OR)

- (b) How does the novel *Siddhartha* deal with the spiritual journey of self-discovery of a man named Siddhartha?

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V SEMESTER, III INTERNAL EXAMINATION – OCTOBER 2022

III BA English
CANADIAN LITERATURE

Date: 31/10/2022
Subject Code: AMEN54

Time: 1hr
Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. The narrator of *Obasanis* _____.
(a) Grandpa Nakane
(b) Aunt Emily
(c) Naomi Nakane
(d) Gower
2. Nicholas Temelcoff is a _____.
(a) Srilankan
(b) Scandinavian
(c) American
(d) Macedonian Immigrant

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Write briefly on the use of myth and inter-textual references in the novel *In the Skin of Lion*.
(OR)
(b) Write about the significance of the title *In the Skin of Lion* by Michael Ondaatje

4. (a) Write briefly on the symbols used by Joy Kogawa in her novel *Obasan*

(OR)

- (b) Attempt an essay on *Obasan* as an autobiographical novel.

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

5. (a) Write an essay on the immigrant condition of the labourers in *In the Skin of Lion*

(OR)

- (b) Attempt an essay on *Obasan* as an autobiographical novel.

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Annai Hajira Women's College
Melapalayam, Tirunelveli

V Semester, III Internal Examination – October 2022

III BA English

WOMEN'S WRITING

Date: 01/11/2022

Subject Code: AEENS1

Time: 1hr

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. Who is the first person to be seen in Scene I in *Topdog Underdog*?
(a) Cookie
(b) Grace
(c) Lincoln
(d) Booth
2. Who helped Mira Kannadical to adopt to European culture in Midlands?
(a) Raniamma
(b) Miss Foxglove
(c) Maitreyamma
(d) Rameeza

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Sketch the character of Lincoln
(OR)
(b) Discuss the significance of the title *Topdog Underdog*.
4. (a) Attempt an essay on the Significance of Rameeza's Suffering in the Novel *Nampally Road*.
(OR)
(b) Discuss the plight of the ordinary Indian under Limca Gowda' rule in the Novel *Nampally Road*

PART-C

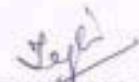
Answer ALL questions

1 x 8 = 8

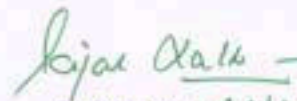
III. Answer choosing either (a) or (b) from the following:

5. (a) Critically examine the reasons for Booth killing Lincoln
(OR)
(b) Elucidate 'the plight of women in post-colonial India' as portrayed in Meena Alexander's *Nampally Road*.

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Annai Hajira Women's College
Melapalayam, Tirunelveli
V Semester, III Internal Examination – October 2022
III BA English

JOURNALISM & MASS COMMUNICATION

Date: 02/11/2022

Subject Code: AEEN52

Time: 1hr

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. AIR's Local transmission is in the _____ mode.
(a) AM
(b) FM
(c) Medium wave
(d) Short wave
2. Through a blog, user can share their _____.
(a) Thoughts
(b) Images
(c) Videos
(d) All of these

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Web Publishing is an art in itself. Explain
(OR)
(b) 'Radio is an intimate medium', Justify
4. (a) Discuss the role of Social Networking in Journalism
(OR)
(b) Bring out the social responsibilities of TV channels in the society.

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

5. (a) Attempt an essay on 'Radio Broadcasting in India'

(OR)

(b) Explain the different features of Television Broadcasting in India

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V Semester, III Internal Examination – October 2022

III BA English

EFFECTIVE COMMUNICATION

Date: 03/11/2022

Subject Code: ACSB52

Time: 1hr

Marks: 20

PART-A

Answer ALL questions

2 x 1 = 2

I. Choose the correct answer:

1. A person who cuts, polishes and sets gemstones is -----
(a) lapidary
(b) blacksmith
(c) goldsmith
(d) mason
2. A belief that nothing has a real existence is -----
(a) superstition
(b) nihilism
(c) positivism
(d) paganism

PART-B

Answer ALL questions

2 x 5 = 10

II. Answer choosing either (a) or (b) from the following:

3. (a) Write a letter enquiring about work opening in a company.
(OR)
(b) Draft a letter congratulating your friend who has won a Gold Medal at the Inter-university Athletic meet
4. (a) Explain writing messages: E-mails, Faxes, Memos.
(OR)
(b) Elucidate writing letters to the Media with an example.

PART-C

Answer ALL questions

1 x 8 = 8

III. Answer choosing either (a) or (b) from the following:

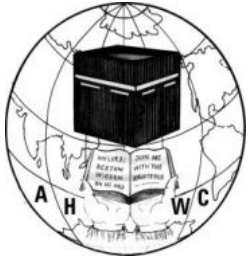
5. (a) Write a resume with application for the post of manager in a reputed company.
(OR)
(b) Write a book review about your favourite book.

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DEPARTMENT OF MATHEMATICS



Annai Hajira Women's College
Melapalayam, Tirumelveli - 05
I SEMESTER, II INTERNAL TEST – OCTOBER 2022
I B.Sc - MATHEMATICS
ENVIRONMENTAL STUDIES

Duration : 1 Hr
Marks: 20

Subject Code: CEVS11
Date: 28.10.2022
(2 X 1=2 marks)

PART –A

I. Choose the correct answer

1. Natural earthquakes are caused by-----
 - a) Deep seas
 - b) Peak mountain
 - c) Dense forest
 - d) Earth's crust

2. The most fundamental level of biodiversity is
 - a) Genetic diversity
 - b) Species diversity
 - c) Population
 - d) Diversity

PART –B

(2 X 5=10 marks)

II. Answer the following

3. (a) What is Food Web? Give its significance
(OR)
(b) What is the role of producers in an ecosystem?

4. (a) Describe the endangered species.
(OR)
(b) Write a note on "Hot Spots of biodiversity"

PART –C

(1 X 8=8 marks)

III. Answer the following

5. (a) Write an essay on ecological succession

(OR)

- (b) Give a critical account of world food problems

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Annai Hajira Women's College

Melapalayam, Tirunelveli - 05

I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.Sc - MATHEMATICS

PROFESSIONAL ENGLISH FOR PHYSICAL SCIENCES I

Duration: 1 Hr.

Marks: 20

Subject Code: CPPS11

Date: 29.10.2022

PART –A

(2 X 1=2 marks)

I. Choose the correct answer

1. A LED is a -----

- (a) Semiconductor light source
- (b) Ultraviolet source
- (c) High light source
- (d) None

2. Jean Chancel was instrumental in creating the first match in Paris in

- (a) 1805
- (b) 1905
- (c) 1705
- (d) None

PART –B (2X5 =10 marks)

II. Answer all the questions, choosing either (a) or (b)

3. (a) i) What are the scientific concepts you have learnt through soap bubbles?

ii) What defines the different colours in the bubble?

(OR)

(b) i) Why is re-expansion considered dangerous?

ii) Why did Greg refuse chemical and radiation therapy?

4. (a) Write a sentence describing the given words from the context of the passage.

i) Potential

ii) Accomplishes

iii) Substitute

iv) Efficient

(OR)

(b) Write a sentence using each of the following words

i) Mystery

ii) Molecule

iii) Narrow

iv) Dynamic

v) Demonstrate

PART –C

(1 X 8=8 marks)

III. Answer the questions, choosing either (a) or (b)

5. (a) Explain the short story "Too Bad". Also write three laws of Robotics.

(OR)

(b) Explain applied number theory in ATM.

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I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.Sc - MATHEMATICS

CALCULUS AND CLASSICAL ALGEBRA

Duration: 1 Hr.

Subject Code: CMMMA11

Marks: 20

Date: 31.10.2022

PART –A

(2 X 1=2 marks)

Choose the correct answer

1. Which of the following is the reduction formula for $\Gamma(n)$?

(a) $\Gamma(n) = \frac{\Gamma(n+1)}{n}$

(b) $\Gamma(n) = \frac{\Gamma(n+1)}{n+1}$

(c) $\Gamma(n) = \frac{\Gamma(n-1)}{n}$

(d) $\Gamma(n) = \frac{\Gamma(n-1)}{n-1}$

2. The roots of the equation $f(x) = x^2 + 2x + 1 = 0$ are

(a) -1, -1

(b) 1, 1

(c) 0, 1

(d) 0, -1

PART –B

(2X5 =10 marks)

Answer all the questions, choosing either (a) or (b)

3. (a) Prove that $\beta(m, n) = \beta(n, m)$.

(OR)

(b) Evaluate $\int \int x^p y^q dy dx$ over the triangle $x > 0, y > 0, x + y \leq 1$ in terms of gamma function.

4. (a) State and Prove Fundamental Theorem on Algebra.

(OR)

(b) Frame the equation with rational coefficients, one of whose roots is $\sqrt{5} + \sqrt{2}$.

PART –C

(1 X 8=8 marks)

III. Answer the questions, choosing either (a) or (b)

5. (a) State and Prove the relation between beta and gamma functions.

(OR)

(b) Solve the equation $x^4 - 14x^3 + 46x^2 - 42x + 9 = 0$ given that $5 - \sqrt{22}$ is a root.

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I Semester, II Internal Test – October 2022

I B.Sc Mathematics

Allied Physics-I

Sub code : CAPH11

Date: 01.11.2022

Total: 20 marks

Time: 1 hr

Part –A

(2×1=2 marks)

I Choose the correct answer:

1. In streamline flow, the velocity of the liquid in contact with the wall of the tube is
 - (a) zero
 - (b) minimum but not zero
 - (c) large
 - (d) infinite
2. "A person is pushing a swing, which is about to stop due to energy loss" – This is an example for
 - (a) Free oscillation
 - (b) Damped oscillation
 - (c) Forced oscillation
 - (d) None of the above

Part –B

(2×5=10 marks)

II Answer all the questions choosing either (a) or (b):

3. (a) Discuss the analogy between liquid flow and current flow.
(OR)
(b) Derive, by the method of dimensions, Stokes formula for highly viscous liquid.

4. (a) Explain free, damped and forced vibrations, by giving examples.

(OR)

- (b) Investigate why resonant vibrations are powerful.

Part –C

(1×8=8marks)

III Answer all the questions choosing either (a) or (b):

5. (a) Derive Poiseuille's formula for rate of flow of a liquid through a horizontal capillary tube.

(OR)

- (b) Set up the differential equation for forced vibrations. Solve the equation and arrive at the condition for resonance.

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Melapalayam, Tirumelveli - 625

III SEMESTER, III INTERNAL TEST – OCTOBER- 2022

II B.Sc MATHEMATICS

Sequences and Series

Duration: 1 hour

Subject Code: CMMA31

Marks: 20

Date: 27.10.2022

PART -A

(2 X 1=2 marks)

I. Choose the correct answer

1. The value of $\lim_{n \rightarrow \infty} \frac{3n^2+2n+5}{6n^2+4n+7}$ is

- (a) 1 (b) $\frac{1}{2}$ (c) 2 (d) $\frac{1}{3}$

2. Example of a series $\sum a_n$ which is divergent but $\lim_{n \rightarrow \infty} a_n = 0$

- (a) $\sum \frac{1}{n}$ (b) $\sum \frac{1}{n^2}$ (c) $\sum \frac{1}{n^3}$ (d) $\sum \frac{1}{n^3}$

PART -B

(2 X 5=10 marks)

II. Answer the following

3. (a) Discuss the behavior of the geometric sequence (r^n) .

(or)

(b) State and Prove Cauchy's first limit theorem.

4. (a) Let $\sum a_n$ be a convergent series converging to the sum s.

Then Prove that $\lim_{n \rightarrow \infty} a_n = 0$.

(or)

(b) Applying Cauchy's general principle of convergence prove that

$1 - \frac{1}{2} + \frac{1}{3} - \dots + (-1)^n \frac{1}{n} + \dots$ is convergent.

PART -C (1 X 8=8 marks)

III. Answer the following

5. (a) State and Prove Cauchy's general principle of convergence(sequence).

(or)

(b) The harmonic series $\sum \frac{1}{n^p}$ converges if $p > 1$ and diverges if $p \leq 1$.

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III SEMESTER, III INTERNAL TEST – OCTOBER – 2022

II B.Sc - MATHEMATICS

Statistics I

Max. Mark:20

Max. Hour: 1 hour

Subject Code: CAST11

Date: 28.10.2022

PART –A (2 X 1=2 marks)

I. Choose the correct answer

- 1) The value of c for the probability density function $f(x) = c \left(\frac{2}{3}\right)^x$, $x = 1, 2, 3, \dots$, is -----
 a) $\frac{1}{2}$ b) 1 c) 0 d) $\frac{1}{4}$
- 2) For $\beta_2 > 3$, the curve is known as -----
 a) mesokurtic b) Platykurtic c) leptokurtic d) None

PART –B (2 X 5 =10 marks)

II. Answer the following.

- 3) a) The first four moments of a distribution about $x = 2$ are 1, 2.5, 5.5 and 16. Calculate the four moments
 i) about the mean
 ii) about zero

(OR)

- b) Fit a straight line to the following data and estimate the value of y corresponding to $x = 6$

x	0	5	10	15	20	25
y	12	15	17	22	24	30

- 4) a) Let $f(x) = \begin{cases} \frac{1}{x^2} & \text{if } 0 < x < \infty \\ 0 & \text{otherwise} \end{cases}$ be the pdf of X.

If $A = \{x / 1 < x < 2\}$ and $B = \{x / 4 < x < 5\}$. Find $P(A)$, $P(B)$, $P(A \cap B)$ and $P(A \cup B)$

(OR)

- b) Find the constant c so that $f(x) = \begin{cases} cxe^{-x} & \text{if } 0 < x < \infty \\ 0 & \text{otherwise} \end{cases}$ satisfies the conditions of pdf of the continuous random variable X.

PART –C (1 X 8=8 marks)

III. Answer the following.

- 5) a) Fit a second degree parabola by taking x as a independent variable.

x	0	1	2	3	4
y	1	5	10	22	38

(OR)

- b) The probability distribution function of a continuous random variable X is given by

$$f(x) = \begin{cases} x & \text{if } 0 < x \leq 1 \\ 2 - x & \text{if } 1 < x \leq 2 \\ 0 & \text{if } x \geq 2 \text{ and } x \leq 0 \end{cases}$$

. Find the distribution function of X.

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III SEMESTER, III INTERNAL TEST – OCTOBER – 2022

II B.Sc - MATHEMATICS

VECTOR CALCULUS

Duration: 1 Hour

Subject code: CSMA31

Marks: 20

Date: 29.10.2022

PART –A (2 X 1=2 marks)

I. Choose the correct answer

1. If Parametric equation of the line joining (0,0,0) and (2,1,1) can be taken as

- a) $x = t, y = t, z = t$
- b) $x = -2t, y = -t, z = -t$
- c) $x = 2, y = 1, z = 1$
- d) None

2. Green's theorem connects _____

- a) Line integral and double integral
- b) Line integral and surface integral
- c) Surface integral and Volume integral
- d) None

PART –B (2 X 5=10 marks)

II. Answer the following

3. a) Evaluate $\int_C \vec{f} \cdot d\vec{r}$ where $\vec{f} = (x^2 + y^2)\vec{i} - (x^2 + y^2)\vec{j}$ and C is the curve $y = x^2$ joining (0,0) and (1,1)

(Or)

b) Find the work done $\vec{F} = 3xy\vec{i} + 5z\vec{j} + 10x\vec{k}$ along the curve C, $x = t^2 + 1, y = t^2, z = t^3$ from $t = 1, t = 2$.

4. a) Verify Green's theorem for the function $\vec{f} = (x^2 + y^2)\vec{i} - 2xy\vec{j}$ and C is the rectangle in the x – y plane bounded by $y = 0, y = b, x = 0$ and $x = a$.

(Or)

b) Evaluate $\int_C (3x^2 - 8y^2)dx + (4y - 6xy)dy$ where C is the bound of the rectangular area enclosed by the lines $x = 0, x = 1, y = 0, y = 2$.

PART –C

(1 X 8=8 marks)

III. Answer the following

5. a) Evaluate $\iint_S \vec{f} \cdot \vec{n} \, ds$ where $\vec{f} = (x + y^2)\vec{i} - 2x\vec{j} + 2yz\vec{k}$ and S is surface of the plane $2x + y + 2z = 6$ in the first octant.

(Or)

b) Evaluate $\iint_S \vec{f} \cdot \vec{n} \, ds$ where $\vec{f} = (x^3 - yz)\vec{i} - 2x^2y\vec{j} + 2z\vec{k}$ and S is surface of cube bounded by $x = 0, y = 0, z = 0$ and $x = a, y = a, z = a$

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DEPARTMENT OF PHYSICS



Annai Hajira Women's College
Melapalayam, Tirumelveli - 05
I Semester, II Internal Test – October 2022
I B.Sc Physics

Properties of Matter and Mechanics

Sub code: CMPH11

Date: 26.10.2022

Time: 1 hr

Total: 20 marks

Part-A (2x1=2 marks)

I Choose the correct answer:

1. Newton's second law of rotation-----

- (a) $F=ma$
- (b) $L=dl/dt$
- (c) $\tau=dL/dt$
- (d) $\tau=I\alpha$

2. The unit of torque is-----

- (a) N-m
- (b) N/m
- (c) N/m^2
- (d) $N-m^2$

Part B (2x5=10 marks)

II Answer all the questions, choosing either (a) or (b). Each answer should not exceed 250 words.

3.(a) Explain work – energy theorem

(OR)

(b) Define moment of inertia and radius of gyration.

4.(a) State and prove parallel axes theorem.

(OR)

(b) Write a relation connecting kinetic energy and angular momentum of rotating body. Expression for kinetic energy of rolling.

Part C (1x8=8 marks)

III Answer the question, choosing either (a) or (b). Answer should not exceed 600 words.

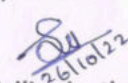
5.(a) Derive an expression for moment of inertia of a solid cylinder

(i) about its own axis and (ii) about a diameter

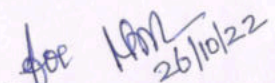
(OR)

(b) Explain with neat diagram, precessional motion. Derive an expression for precession velocity.

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Annai Hajira Women's College
Melapalayam, Tirunelveli - 05
I Semester, II Internal Test – October 2022

I B.Sc Physics
Professional English-1

Sub code: CPPS11

Date: 29.10.2022

Time: 1 hr

Total: 20 marks

Part-A

(2×1=2 marks)

I Choose the correct answer:

1. Biographer means -----

- (a) a person who writes an account of someone's life
- (b) a persons who is skilled in craft
- (c) a persons who writes stories
- (d) a persons who writes modern poetry.

2. Vaseline is a -----

- (a) moisturizing agent
- (b) non - medical product
- (c) carcinogenic agent
- (d) toxic agent

Part B

(2×5=10 marks)

II Answer all the questions, choosing either (a) or (b).Each answer should not exceed 250 words.

3.(a) Define the following terms

- 1) Barometer
- 2) Flowchart
- 3) Microphone

(OR)

(b) Write a note on LED.

4. (a) Give the synonyms for the following words

- a) Intensity b) Toxicity c) Vital d) Fleet e) Cleansers

(OR)

(b) What are the uses of saccharine?

Part C

(1×8=8 marks)

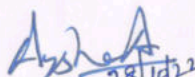
III Answer the question, choosing either (a) or (b). Answer should not exceed 600 words.

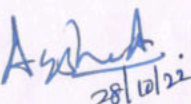
5.(a) What are the uses of IOT devices?

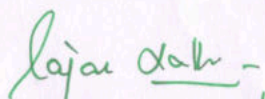
(OR)

(b) What is your hobby? Describe how your hobby helps you to improve your character.

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Annai Hajira Women's College

Melapalayam, Tirunelveli - 05

I Semester, II Internal Test – October 2022

I B.Sc Physics

Environmental Studies

Sub code: CEVS11

Date: 31.10.2022

Time: 1 hr

Total: 20 marks

Part-A

(2×1=2 marks)

I Choose the correct answer:

1. Upper part of sea/aquatic ecosystem

- (a) Plankton
- (b) Nekton
- (c) Plankton and Nekton
- (d) Benthos

2. Which of the following animals is endangered and also the national animal of India?

- (a) Gir Asiatic lions
- (b) Bengal tiger
- (c) Peacock
- (d) Red panda

Part B

(2×5=10 marks)

II Answer all the questions,choosing either (a) or (b).Each answer should not exceed 250 words.

3.(a) Describe characteristic features of desert.

(OR)

(b) Explain food chain.

4.(a) Describe biogeographical zones of India.

(OR)

(b) Explain the hot-spot of biodiversity.

Part C

(1×8=8 marks)

III Answer the question,choosing either (a) or (b).Answer should not exceed 600 words.

5.(a) Describe the structure and importance of forest ecosystem.

(OR)

(b) Explain IN-SITU conservation.

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Mrs.P.Malathi

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Jee K.M.
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Annai Hajira Women's College

Melapalayam, Tirunelveli - 05

III Semester, III Internal Test – October 2022

II B.Sc Physics

Electricity and Electromagnetism

Sub code: CMPH31

Date: 27.10.2022

Time: 1 hr

Total: 20 marks

Part-A (2×1=2 marks)

I Choose the correct answer:

1. The direction of the induced emf is _____.

- (a) along the direction of emf
- (b) opposite to the direction of emf
- (c) to oppose the change that produces emf
- (d) to oppose the direction of current

2. The modified form of Ampere's law is _____.

- (a) $\nabla \times H = J + \frac{\partial D}{\partial t}$
- (b) $\nabla \times B = J + \frac{\partial D}{\partial t}$
- (c) $\nabla \times E = J + \frac{\partial D}{\partial t}$
- (d) $\nabla \times D = J + \frac{\partial D}{\partial t}$

Part B (2×5=10 marks)

II Answer all the questions, choosing either (a) or (b). Each answer should not exceed 250 words.

3.(a) Define self induction. Determine the self inductance of the coil by Owen's bridge method.

(OR)

(b) What is eddy current? Illustrate the method of producing eddy current. Also furnish its uses.

4.(a) Derive any three Maxwell's equation for material medium.

(OR)

(b) Describe Hertz experiment on production and detection of electromagnetic waves with neat diagram.

Part C (1×8=8 marks)

III Answer the question, choosing either (a) or (b). Answer should not exceed 600 words.

5.(a) What is mutual induction? Deduce the mutual inductance between pair of coils.

(OR)

(b) Obtain the reflection and transmission coefficient of electromagnetic wave, reflected and transmitted at normal incidence.

No. of copies: 14

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Annai Hajira Women's College
Melapalayam, Tirunelveli - 05

III Semester, III Internal Test – October 2022

II B.Sc Physics

Maintenance of Electrical Appliances

Sub code: CSPH31

Date: 28.10.2022

Time: 1 hr

Total: 20 marks

Part-A

(2×1=2 marks)

I Choose the correct answer:

1. The capacity of a voltage regulator is expressed in
(a) Volt
(b) VA
(c) KV
(d) KVA
2. House wiring installation is tested with the help of the instrument
(a) ammeter
(b) voltmeter
(c) megger
(d) wattmeter

Part B

(2×5=10 marks)

II Answer all the questions, choosing either (a) or (b). Each answer should not exceed 250 words.

- 3.(a) Explain the working of storage and instant type water heater.

(OR)

- (b) Describe the essential parts of a microwave oven. Explain the working of microwave oven.

- 4.(a) What are the advantages of A.C over D.C?

(OR)

- (b) Give the color code for insulating wires.

Part C

(1×8=8 marks)

III Answer the question, choosing either (a) or (b). Answer should not exceed 600 words.

- 5.(a) Describe the various parts of washing machine. Explain the principle and working of washing machine.

(OR)

- (b) Giving neat diagram, describe star connection.

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Melapalayam, Tirumelveli - 05

III Semester, III Internal Test – October 2022

II B.Sc Chemistry

Allied Physics-I

Sub code : CAPH11

Date: 29.10.2022

Total: 20 marks

Time: 1 hr

Part –A (2×1=2 marks)

I Choose the correct answer:

1. Thermal conductivity depends on-----

- (a) temperature gradient (b) pressure gradient
(c) area of cross section (d) none of the above

2. The mean free path will be less for -----

- (a) heavier gas (b) lighter gas
(c) ideal gas (d) actual gas

Part –B (2×5=10 marks)

II Answer all the questions choosing either (a) or (b):

3.(a) Define mean free path. Derive an expression for it under zero order approximation.

(OR)

(b) State and explain Weidman-Franz law.

4. (a) Derive an expression for viscosity of a gas on the basis of the kinetic energy.

(OR)

(b) State Newton's law of cooling by convection. Describe its experimental verification.

Part –C (1×8=8marks)

III Answer all the questions choosing either (a) or (b):

1. (a) Describe, giving theory, Lees' disc method of determining thermal conductivity of a bad conductor.

(OR)

(b) What is meant by black body radiation? Explain the distribution of energy in black body spectrum.

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Dr. S.Valli Priyatharsini

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DEPARTMENT OF CHEMISTRY



Annai Hajira Women's College
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I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.Sc. CHEMISTRY

PROFESSIONAL ENGLISH FOR PHYSICAL SCIENCES I

Duration: 1Hr

Subject Code: CPPS11

Marks : 20 marks

Date: 28.10.2022

PART – A (2×1=2 Marks)

I Choose the Correct Answer

1. ----- is a process of a liquid changing or being changed into a gas.

- (a) Evaporation
- (b) Sublimation
- (c) Condensation
- (d) Conduction

2. ----- is a power crop that is easily available.

- (a) Poplar
- (b) Willow
- (c) Locust
- (d) Grass

PART – B (2×5=10 Marks)

II Answer ALL the questions choosing either (a) or (b)

3. (a) Describe "the original Rocket Man in comparison with the Missile Man of India".

(OR)

(b) Was the sweetness of Saccharin discovered accidentally? Discuss your opinion about accidental discoveries.

4. (a) Unscramble the following words:

- (i) Deetarinmaner
- (ii) Reaerutp
- (iii) Ruemrcy
- (iv) Curyefqen
- (v) Stenyinti

(OR)

(b) Frame sentences for the following words:

- (i) Mystery
- (ii) Molecule
- (iii) Narrow
- (iv) Urge
- (v) Voyage

PART – C (1×8=8 Marks)

III Answer the following questions choosing either (a) or (b)

5. (a) Define:

- (i) Iridescence
- (ii) Interference
- (iii) Opalescence
- (iv) Heliostat

(OR)

(b) Discuss in detail Biomass and Biofuels.

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**(Dr.M.Anuratha &
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I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.Sc. CHEMISTRY
INORGANIC CHEMISTRY I

Duration: 1Hr
Marks : 20 marks

Subject Code : CMCH11
Date: 29.10.2022

PART – A (2×1=2 Marks)

I Choose the Correct Answer

- Which of the following is not correct in complexometric titration?
(a) EDTA is a hexadentate ligand
(b) Metal-EDTA complexes are more stable than metal indicator complexes
(c) At the end point, the indicator is set free
(d) Formation of the metal-indicator complex is independent of pH
- Primary standard is -----.
(a) KMnO_4
(b) Na_2CO_3
(c) HCl
(d) NaOH

PART – B (2×5=10 Marks)

II Answer ALL the questions choosing either (a) or (b)

- (a) Describe primary standard solutions with example.
(OR)
(b) Explain dry and flame tests.

- (a) Write notes on oxidation number.

(OR)

- (b) Explain how errors can be minimized.


PART – C

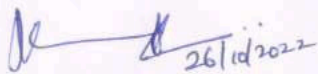
(1×8=8 Marks)

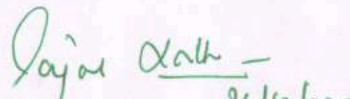
III Answer the following questions choosing either (a) or (b)

- (a) Explain the following:
(i) Normality (ii) Molarity (iii) Molality (iv) Valency
(OR)
(b) Discuss the principle involved in the elimination of borate and phosphate.

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I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.Sc. CHEMISTRY

COMMON – ENVIRONMENTAL STUDIES

Duration: 1Hr

Subject Code: CEVS11

Marks : 20 marks

Date: 31.10.2022

PART – A (2×1=2 Marks)

I Choose the Correct Answer

- Ozone layer depletion is due to the formation of -----.
(a) CFC
(b) CO₂
(c) NO₂
(d) PAN
- Wild Life conservation act was promulgated in -----.
(a) 1972
(b) 1986
(c) 1974
(d) 1980

PART – B (2×5=10 Marks)

II Answer ALL the questions choosing either (a) or (b)

- (a) Give an account on food chains.
(OR)
(b) Write a note on the importance of Ecological pyramids.
- (a) Explain Biodiversity and its applications.
(OR)
(b) Discuss the importance Genetic diversity.

PART – C

(1×8=8 Marks)

III Answer the following questions choosing either (a) or (b)

5. (a) Give an account of River ecosystem.

(OR)

(b) Discuss about the importance of Biogeographical zones of India.

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III SEMESTER, III INTERNAL TEST – OCTOBER 2022

II B.Sc. CHEMISTRY
FOOD CHEMISTRY

Duration: 1Hr

Subject Code: CSCH32

Marks : 20 marks

Date: 27.10.2022

PART – A (2×1=2 Marks)

I Choose the Correct Answer

1. Which of the following is added to food as nutritive agent?

- (a) Caramel
- (b) Agar-Agar
- (c) Iodine
- (d) Lecithin

2. Lead chromate salt is used as an adulterant in -----.

- (a) Coriander powder
- (b) Turmeric powder
- (c) Chilly powder
- (d) Coffee powder

PART – B (2×5=10 Marks)

II Answer ALL the questions choosing either (a) or (b)

3. (a) Explain the following with suitable examples.

- (i) Antioxidants
- (ii) Flavour and Flavour enhancer

(OR)

(b) Examine the various adulterants present in the following food product.

- (i) Milk
- (ii) Edible oil
- (iii) Honey

4. (a) Explain the biological methods of food preservation.

(OR)

(b) Describe the following adulterants detection:

- (i) Chicory in coffee powder
- (ii) Urea in milk
- (iii) Argemone oil in edible oil
- (iv) Water in Milk

PART – C (1×8=8 Marks)

III Answer the following questions choosing either (a) or (b)

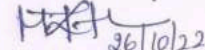
5. (a) Write note on:

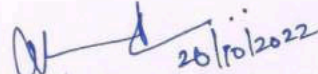
- (i) Food colourants
- (ii) Nutritive agent
- (iii) Humectants
- (iv) Acid Modifier

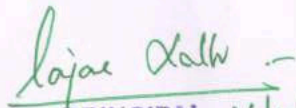
(OR)

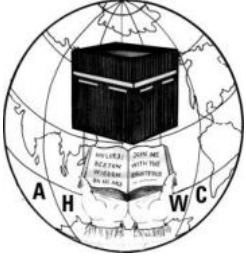
(b) Explain food poisoning and its prevention in detail.

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DEPARTMENT OF COMPUTER SCIENCE



Annai Hajira Women's College

Melapalayam, Tirumelveli 627 005

I SEMESTER, II INTERNAL TEST- October - 2022

I B. Sc – COMPUTER SCIENCE

Environmental Studies

Date: 28.10.2022

Time: 1 hr

Subject Code: CEVS11

Marks: 20

Part- A

(2X1=2 Marks)

I. Choose the correct answer

1. Plants which are enable to produce their own food is known as-----

- a) Producer
- b) Consumer
- c) Herbivores
- d) Parasites

2. Major factor for water pollution is-----

- a) Refinery
- b) Smoke
- c) Industrial Effluents
- d) All of these

Part- B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Mention about the food chains.

(OR)

(b) Write a short note on energy flow.

4. (a) Explain noise pollution and its effects?

(OR)

(b) Mention about the solid waste management.

Part – C

(1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Explain briefly about aquatic eco system

(OR)

(b) Explain briefly about water pollution.

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I SEMESTER, II INTERNAL TEST-OCTOBER-2022

I B.Sc – COMPUTER SCIENCE

PROFESSIONAL ENGLISH FOR PHYSICAL SCIENCES - I

Date: 29.10.2022

Time: 1 hr

Subject Code: CPPS11

Marks: 20

Part- A

I. Choose the correct answer (2X 1=2Marks)

1. The word 'definition' originates from the word -----, which states what exactly the thing is.

- a. define
- b. defines
- c. defining
- d. none of these

2. An----- is an ancient device that is used for arithmetic calculations.

- a. calculator
- b. abacus
- c. computer
- d. adder

PART – B (2X5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3. a) Fill in the blanks with suitable words from the choices given in the bracket. (Gold, Potassium Chlorate, 1805, 5th century, other metals)

1. Wooden sticks coated with sulphur) the way as a catalyst for fire in
2. Chancel opted wooden stick with than phosphorus.
3. Hennig Brandt dreamt of from other in his lifetime.
4. Jean Chancel was instrumental in creating the first match in Paris in

(OR)

b) Fill in the gaps with prepositions from the bracket:

(By, for, of, in, to)

The colour of the light (corresponding to the energy of the photons) is determined by the energy required electrons cross the band gap of the semiconductor. White light is obtained Using multiple semiconductors or a layer..... light-emitting phosphor on the

semiconductor device. Appearing as practical electronic components in 1962, the earliest LEDs emitted low- intensity infrared (IR) light. Infrared LEDs are used remote-control circuits, such as those used with a wide variety of consumer electronics.

4. a) Think of things people do with the matches and lighters. Use these verbs:

- a. strike the match
- b. generate heat
- c. set fire
- d. ignite the stove
- e. light the candle

(OR)

b) Say whether following sentences are true or false.

- a. William Dickson was the descendant of Leonard Eugene Dickson.
- b. G H Hardy wrote the "History of the Theory of Numbers".
- c. G H Hardy was of the view that the theory of numbers could not be employed for any practical and honorable purpose.
- d. William Dickson, one of the most productive of all mathematicians, belonged to the 18th century.
- e. Gauss said that human sufferings can be relieved through physiology and even chemistry.

PART –C

(1 x 8= 8 marks)

III. Answer all the questions choosing either (a) or (b)

5. a. Write the definitions for the following words

1. Barometer
2. Computer program
3. Flowchart
4. Gobar gas plant
5. Microphone

(OR)

b) Write in about 50 words without making corrections or refining your text, the ways and means of saving electricity.

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I SEMESTER, II INTERNAL TEST - OCTOBER - 2022

I B. Sc – COMPUTER SCIENCE

PROGRAMMING IN C

Date: 31.10.2022

Time: 1 hr

Subject Code: CMCS11

Marks: 20

Part- A

I. Choose the correct answer (2 x 1=2 marks)

1. An ----- is a symbol that tells the computer to perform mathematical or logical manipulations.

- a) operator
- b) operand
- c) expression
- d) constant

2. Reading a single character can be done by using the function _____.

- a) gets()
- b) puts()
- c) getchar()
- d) putchar()

PART – B (2 x 5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3. a. Write short notes on conditional operator. Explain with an example.

(OR)

b. Explain getchar() and putchar() with example.

4. a. Explain goto statement with an example.

(OR)

b. Explain the differences between while and do while.

PART –C

(1 x 8= 8 marks)

III. Answer the questions choosing either (a) or (b)

5.a. Define operators. Explain any four types of operators with examples.

(OR)

b. Explain the decision making and branching statements with examples.

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I SEMESTER, II INTERNAL TEST - NOVEMBER - 2022

I B. Sc – COMPUTER SCIENCE

DISCRETE MATHEMATICS

Date: 01.11.2022

Subject Code: CACS11

Time: 1 hr

Marks: 20

Part- A

(2X1=2 Marks)

I Choose the correct answer

1. Which of the following condition satisfies the Association Property?

a) $(f \circ g \circ h) = f \circ (g \circ h)$

b) $f \circ (g \circ h) = (f \circ g) \circ h$

c) $(f \circ g) \circ h = (f \circ g \circ h)$

d) $f \circ (g \circ h) = f \circ g \circ h$

2. Which of the following belongs to unary operator?

a) $3+3$

b) $3V3$

c) $3+8$

d) -5

Part- B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) (i) If $f(x) = 2x$ and $g(x) = x+1$, then find $(f \circ g)(x)$ if $x = 1$.

(ii) If $f(x) = 2x+1$ and $g(x) = -x+2$, then find $(g \circ f)(x)$ for $x = 2$.

(OR)

(b) Find the inverse of the following function

(i) $f(x) = 2x+3$, at $x = 4$

(ii) $f(x) = (3x+2)/(x-1)$

4. (a) Explain Tautology and Contradiction with example.

(OR)

(b) (i) Prove $\neg(A \vee B)$ and $[(\neg A) \wedge (\neg B)]$ are equivalent.

(ii) Describe types of implication with truth table.

Part -C

(1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Write notes on classifications of functions.

(OR)

(b) Write notes on

(i) Basic Logical Operators in Propositional Logic

(ii) Algebra of Propositions.

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III SEMESTER, III INTERNAL TEST- OCTOBER-2022

II B.Sc – COMPUTER SCIENCE

JAVA PROGRAMMING

Date: 27.10.2022
Subject Code:CMCS31

Time: 1 hr
Marks: 20

Part- A (2X1=2 Marks)

I Choose the correct answer

- The purpose of _____ mechanism is to provide a means to detect and report an exceptional circumstance.
a) Exception handling
b) Error
c) Package
d) Applet
- The _____ method of an Applet class actually displays the result of the applet code on the screen.
a) paint()
b) display()
c) main()
d) start()

Part- B (2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

- (a) Explain the process of using control loops in applets.
(OR)
(b) With an example program explain about drawing arc and polygons in applet.
- (a) Briefly describe about event handling.
(OR)
(b) Explain the process of designing a Web page.

Part -C (1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Explain the concept of throwing our own exceptions in detail.

(OR)

- (b). Explain about
- Multiple catch statements
 - Using finally statement

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III SEMESTER, III INTERNAL TEST - October - 2022

II B. Sc – COMPUTER SCIENCE

Digital Design

Date: 28.10.2022

Subject Code: CSCS31

Time: 1 hr

Marks: 20

Part- A

(2X1=2 Marks)

I. Choose the correct answer

1. What is the other name of D flip flop?

- a) Divide
- b) Delay
- c) Synchronous
- d) Ripple

2. ----- is an 8 bit serial in parallel out shift register.

- a) 54/74164
- b) 54/741645
- c) 54/74166
- d) 54/74167

Part- B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Discuss about binary addition and subtraction with example.

(OR)

(b) Explain RS flip flop.

4. (a) Explain about registers and its types.

(OR)

(b) Write short notes on D flip flop.

Part -C

(1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Explain briefly about JK master slave flip flop.

(OR)

(b) Explain briefly about parallel in parallel out register.

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III SEMESTER, III INTERNAL TEST - NOVEMBER - 2022

II B. Sc – COMPUTER SCIENCE

SCRIPTING LANGUAGES

Date: 29.10.2022

Subject Code: CACS31

Time: 1 hr

Marks: 20

(2X1=2 Marks)

Part- A

I Choose the correct answer

1. What is the syntax for RGB color Format in CSS?

- a) color:rgb(R,G,B)
- b) color,rgb(R,G,B)
- c) color:rgb()
- d) color(R,G,B)

2. Which of the following option specify alternative audio files in the web page?

- a) Controls
- b) <source>
- c) <audio>
- d) Autoplay

Part- B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Write notes on how to add shadow in CSS.

(OR)

(b) Describe how to play audio and video in a web page.

4. (a) Explain how to use JavaScript in HTML Web Page.

(OR)

(b) Write about Document Object Model in Java Script.

Part –C

(1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Explain CSS3 Colors with example.

(OR)

(b) Write notes on Control statements in JavaScript.

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III Semester, III Internal Test – October 2022

II B.Sc Computer Science
Basic Physics-I

Sub code : CNPH31

Date:31.10.2022

Total: 20 marks

Time: 1 hr

Part –A (2×1=2 marks)

I Choose the correct answer:

- The study of nature and properties of light is called-----
 - Physical optics
 - Geometrical optics
 - Ray optics
 - None of the above
- If temperature is not a constant, what will be the relation between potential difference and current
 - linear
 - non-linear
 - can be both linear or non-linear
 - neither linear nor non-linear

Part –B (2×5=10 marks)

II Answer all the questions choosing either (a) or (b):

- (a) When three resistors are connected in parallel what will be the equivalent resistance of the network? Explain the theory with the help of a diagram.
(OR)
(b) If you are having a carbon film resistor with yellow, violet, brown and gold color bands, what would you say about the

value of the resistance and what will be the error in your calculated value?

- (a) What are the two different types of spherical mirrors? Explain the basic terms associated with spherical mirrors with schematic diagram.

(OR)

- (b) What you mean by refraction? Explain the laws of refraction with ray diagram.

Part –C (1×8=8marks)

III Answer all the questions choosing either (a) or (b):

- (a) Identify the phenomenon which is responsible for the decrease in efficiency of electric power transmission and explain in detail about the types of it with neat sketches.

(OR)

- (b) Discuss in detail about Kirchoff's laws and explain how you would obtain the value of an unknown resistance in complex circuits

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V SEMESTER, III INTERNAL TEST - OCTOBER - 2022

III B. Sc – COMPUTER SCIENCE

RELATIONAL DATABASE MANAGEMENT SYSTEM

Date: 26.10.2022

Time: 1 hr

Subject Code: AMCS51

Marks: 20

Part - A

(2X1=2 Marks)

I Choose the correct answer

1. Which of the following does not belong to additional basic operations in RDBMS?

- a) Select
- b) Project
- c) Rename
- d) Division

2. Which of the following attributes consider more than one value for an entity?

- a) Single Valued Attribute
- b) Multi valued Attribute
- c) Derived Attribute
- d) Simple Attribute

Part - B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Explain Aggregate functions in RDBMS.

(OR)

(b) Explain Set operations in SQL.

4. (a) Write notes on attributes in ER model.

(OR)

(b) Write about Mapping Cardinalities in RDBMS.

Part -C

(1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Write notes on

(i) Aggregate functions

(ii) Nested Subqueries

(OR)

(b) Explain how to reduce ER diagram to schema.

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V SEMESTER, III INTERNAL TEST - OCTOBER - 2022

III B. Sc – COMPUTER SCIENCE

DATA COMMUNICATION AND COMPUTER NETWORKS

Date: 27.10.2022

Subject Code: AMCS52

Time: 1 hr

Marks: 20

Part - A

(2X1=2 Marks)

I Choose the correct answer

1. A Bluetooth network is called-----

- a) adhoc
- b) remote control
- c) piconet
- d) 1.2 CAP

2. The expansion of GPS is -----

- a) Global Positioning System
- b) Global Pointing Sytem
- c) Global Path Sytem
- d) None of the above

Part – B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Write short notes on Checksum.

(OR)

(b) Discuss about Gigabit Ethernet.

4. (a) What is Backbone Network? Explain.

(OR)

(b) Briefly explain about DNS.

Part – C

(1x8=8 marks)

III Answer the questions choosing either (a) or (b)

5. (a) Explain briefly about Satellite Networks.

(OR)

(b) Describe in detail about Bluetooth technology architecture.

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V SEMESTER, III INTERNAL TEST - OCTOBER - 2022

III B. Sc – COMPUTER SCIENCE

PHP and MySQL

Date: 28.10.2022

Subject Code: AMCS53

Time: 1 hr

Marks: 20

Part- A

(2X1=2 Marks)

I Choose the correct answer

1. The facility that allows nesting one select statement into another is called -----

- a) nesting
- b) binding
- c) subquerying
- d) encapsulating

2. In inner join, result is produced by matching rows in one table with rows in another table.

- a) True
- b) False

Part- B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Write notes on MySQL Data types.

(OR)

(b) Explain: Aggregate Functions

4. (a) Explain Date and Time data types in MySQL.

(OR)

(b) Write short notes on handling errors.

Part –C

(1x8=8 marks)

III Answer the questions choosing either (a) or (b)

5. (a) Explain briefly about creating and manipulating tables.

(OR)

(b) Discuss PHP MySQL database connection process.

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V SEMESTER, III INTERNAL TEST- October - 2022

III B. Sc – COMPUTER SCIENCE

CLOUD COMPUTING

Date: 29.10.2022

Time: 1 hr

Subject Code: AEC553

Marks: 20

Part- A

(2X1=2 Marks)

I Choose the correct answer

1. Which of the following is an open source cloud platform?

- (a) Eucalyptus
- (b) Amazon EC2
- (c) Google App Engine
- (d) Azure

2. Google provides the following internationally recognized certifications -----

- (a) Associate Cloud Engineer
- (b) Professional Cloud Architect
- (c) Professional Cloud Developer
- (d) All of the above

Part- B

(2X5=10 Marks)

II Answer all the questions choosing either (a) or (b)

3. (a) What is Google Cloud Datastore? List the features of Google Datastore.

(OR)

(b) What are the benefits and challenges of cloud computing adoption in the healthcare sector?

4. (a) State the benefits offered by Apple iCloud.

(OR)

(b) What is High – Performance Computing (HPC)?

Part –C

(1x8=8 marks)

III Answer the questions choosing either (a) or (b)

5. (a) What are the factors influencing the adoption of cloud computing?

(OR)

(b) What is Apache Hadoop? Explain the various components in the Hadoop Architecture with a suitable diagram.

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V SEMESTER, III INTERNAL TEST- OCTOBER-2022

III B.Sc – COMPUTER SCIENCE

Common Skill Based – Personality Development

Date: 31.10.2022

Time: 1 hr

Subject Code:ACSB51

Marks: 20

Part- A

(2X1=2 Marks)

I. Choose the correct answer

1. ----- refers to the disagreement between two persons or parties.

- a) Conflict Management
- b) Motivation
- c) Social learning
- d) Direct experience

2. The way a person behaves during his social interaction with others is called as -----

- a) Social graces
- b) Assertion
- c) Manners
- d) Attitude

Part- B

(2X5=10 Marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) Write about the features and importance of Group Discussion.

(OR)

(b) What are the different types of negotiation?

4. (a) Enlist the various types of leadership.

(OR)

(b) List out and explain any three social graces.

Part -C

(1x8=8 marks)

III. Answer the questions choosing either (a) or (b)

5. (a) Explain in detail about the theories of Leadership.

(OR)

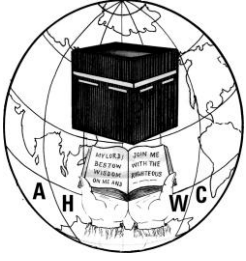
(b) Explain in detail about the various levels of conflict.

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Melapalayam, Tirumelveli - 05

I SEMESTER, II INTERNAL TEST –OCTOBER 2022

I B.COM (BATCH I)

FINANCIAL ACCOUNTING-I

Duration: 1 Hr.

Subject Code: CMCO11

Marks: 20

Date: 28.10.2022

PART- A

(2 X 1 =2 marks)

I. Choose the correct answer

1. Credit balance in the bank pass book means-----

- (a) Bank Overdraft (b) Bank balance
(c) Balance as per cash book (d) No balance

2. Purchase of Machinery entered in purchase day book is an example of-----

- (a) Error of Principle
(b) Error of omission
(c) Error of Commission
(d) None of the above

PART –B

(2 X 5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3.(a) What is error of principle? Give example.

(OR)

(b) From the following particulars of Ranjith and Co., prepare Bank Reconciliation Statement as on 31st August 2013.

- Overdraft as per pass book Rs.25, 000
- Interest on overdraft Rs. 2, 500
- Insurance premium paid by the bank Rs. 600
- Cheque issued but not presented for payment Rs.9,000
- Amount wrongly debited by bank Rs. 1,240
- Cheque deposited but not yet cleared Rs. 4,000



4.(a) Rectify the following error.

- Sales to Sridhar Rs.152, posted to his account as Rs.125.
- Purchased goods from Manohar Rs.550, credited as Rs.505.
- Received bills receivable from Seenu Rs.1,000, posted as Rs.100.
- Purchased Furniture from Raghu Rs.404 on credit debited as Rs.440.
- Discount allowed as Rs.64 to Anbu credited to his account as Rs.46.
- Discount received Rs.37 from babu posted to his account Rs.39.
- Purchased Furniture on cash for Rs.2,000 was not posted.
- Sales to Mano Rs.375, posted to his account as Rs.395.

(OR)

(b) On January 1, A sold goods worth Rs.10, 000 to B and drew a bill on B at three months for the amount. B accepted the bill and returned it to 'A' who discounted the bill with the bank on 14th February at 15% per annum. The bill is duly honoured on maturity. Pass the necessary entries in the books of A and B.

PART –C

(1 x 8=8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a) From the following, prepare Trading, Profit and Loss account and Balance sheet as on 31.03.2018. Trial balance as on 31.03.2018

Particulars	Debit(Rs)	Credit(Rs)
Cash	1,000	-
Wages	2,000	-
Furniture	4,000	-
Machinery	10,000	-
Debtors	20,000	-
Opening Stock	12,000	-
Salaries	24,000	-
Telephone rent	4,000	-
Insurance	3,000	-
Purchases	40,000	-

Sales return	2,000	-
Buildings	60,000	-
Creditors	-	10,000
Bills payable	-	1,000
Discount received	-	1,000
Purchase return	-	1,000
Sales	-	1,00,000
Capital	-	69,000
	1,82,000	1,82,000

Adjustments:

1. Closing stock was valued at Rs.40,000
2. Provide Rs.1,000 for bad debts
3. Allow 5% interest on capital
4. Charge 10% depreciation on Machinery.

(OR)

(b) From the following particulars ascertain the bank balance as per bank pass book of Mr. Ram as on 31.12.2016.

1. Bank Overdraft as per ash book on 31.12.2016 – Rs.6,000
2. Interest on overdraft for six months ending 31.12.2016 Rs.200 Is debited in the pass book.
3. Cheques issued but not cashed before 31.12.2016 amounted to Rs. 1,500
4. Cheques deposited into bank but not cleared and credited before 31.12.2016 amounted to Rs.2,500
5. Interest on Investments collected by bank and credited in the bank pass book amounted to Rs.1,800
6. Bills receivable which was discounted with the bank in November 2016, was dishonoured on 31.12.2016 and bank had debited Rs.1,050 including Rs.50 for bank charges.

7. The Bank column of cash book receipts side was over cast by Rs.1,000 in December 2016.

8. Bank had wrongly debited Mr.Ram on Rs.500 on 10.12.2016 on account of dishonour of cheque pertaining to Mr.Gopal but rectified the said mistake on 31.12.2016.

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I SEMESTER, II INTERNAL TEST - OCTOBER 2022

I B.COM (BATCH- I)

BUSINESS ORGANISATION AND MANAGEMENT

Duration: 1 Hr.

Subject Code: CMCO12

Marks : 20

Date: 29.10.2022

PART- A

(2 × 1 = 2marks)

I Choose the correct answer

1. Henry Fayol is known as the _____
- a) Father of scientific management
 - b) Father of shop floor management
 - c) Father of administrative
 - d) Father of human resource management

2. Management is a _____

- a) Process
- b) Discipline
- c) Team of person
- d) all of these

PART B

(2 × 5 = 10 marks)

II Answer ALL the questions either (a) or (b)

3. (a) What are the characteristics of multinational corporation?

(OR)

- (b) Is management science or art

4. (a) Briefly explain the function of a manager.

(OR)

- (b) What are the functions of top level management?



PART C

(1 × 8 = 8 marks)

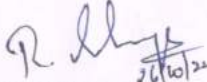
III Answer ALL the questions either (a) or (b)

5. (a) State the various forms of public enterprises.

(OR)

- (b) Discuss the contribution of F.W.Taylor to the field of management.

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I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.COM (Batch –I)

Professional English for Commerce and Management I

Duration: 1 Hr.

Subject Code: CPCM11

Marks: 20

Date: 31.10.2022

Part- A

(2 X 1 =2 marks)

I. Choose the correct answer

- are vital to materialize the objective for an organization.
 - Human resource
 - Human resource process
 - Ghost
 - Done
- There are ----- different types of reading academic text.
 - 1
 - 2
 - 3
 - 4

PART –B

(2 X 5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) How will you describe the product?

(OR)

(b)What does the cashless transaction mean?

4.(a) Imagine you are using Whatsapp to explain the feature of the proposed product which is the mobile mention the details.

(OR)

(b) Write the definitions of the following words

- | | |
|----------------|---------------|
| 1. Invoice - | 2. Mortgage - |
| 3. Negotiate - | 4. Annuity - |

PART –C

(1 x 8=8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a). Fill in the blanks with suitable linkers given in the box.

(In spite of , finally, before, yet , on the other hand)

- The train had left ----- I reached the station.
- I had an umbrella, ----- I got wet.
- of the rain, they went on a picnic.
- , the matter was settled.
- Ravi loves football. ----- his brother loves cricket.

(OR)

(b) Fill in the blanks with suitable prepositions form the box
(During, in, of, on, at, to, for)

Market research is conducted ----- consumer opinion regarding goods, services and people's attitudes and beliefs. Businesses need to conduct market research ----- all stages --- of a product life cycle. It is extremely important ----- the introduction stage at reach the right market to increase the sales and during the growth stage ----- maintain the sales momentum. Market research during maturity will help in understanding the changes ----- the market to decide ---- the strategies to extend the life of the product.

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I SEMESTER, II INTERNAL TEST – OCTOBER 2022

I B.COM (BATCH -I)

BUSINESS ECONOMICS

Duration: 1 Hr.

Marks: 20

Subject Code: CACO11

Date: 01.11.2022

Part- A

(2 X 1 =2 marks)

I. Choose the correct answer

1. The method that helps to measure elasticity of demand at any point on a demand curve -----
- Percentage Method
 - Total Outlay Method
 - Arc Method
 - Point Method

2. "Of all sorts of luggage, man is the most difficult to be transported" – who said these words?

- Adam Smith
- Alfred Marshall
- Keynes
- Karl Marx

PART B

(2×5 = 10 marks)

II Answer ALL the questions either (a) or (b)

3. (a) Explain the factors influencing demand of a product.

(OR)

(b) List out the different types of demand.

4. (a) Describe the functions of capital.

(OR)

(b) Explain the characteristics of land.

PART –C (1 x 8=8 marks)

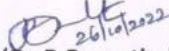
III. Answer the questions, choosing either (a) or (b)

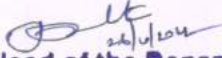
5. (a) Explain the various kinds of price elasticity of demand.

(OR)

(b) Describe the functions of an organiser.

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I SEMESTER, II INTERNAL TEST –OCTOBER 2022

I B.COM (BATCH- I)

ENVIRONMENTAL STUDIES

Duration: 1 Hr.

Subject Code: CEVS11

Marks: 20

Date: 02.11.2022

PART- A

(2 X 1 =2 marks)

I. Choose the correct answer

1. Ecological pyramids has been classified into -----types.

- (a) 1
- (b) 2
- (c) 3
- (d) 4

2. Ecosystem may be defined as-----

- (a) A species along with Environment
- (b) Plants found in water
- (c) Plants found on land
- (d) Call plants and animals species along with environment

PART –B

(2 X5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3.(a) Mention about food chains.

(OR)

(b) Write a short note on Energy flow.

4.(a) Explain Pond ecosystem.

(OR)

(b) Write an essay on ecological succession.



PART –C

(1 x 8=8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a) Give an account on ecological pyramids.

(OR)

(b) Explain in detailed about Forest Ecosystem.

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III SEMESTER, III INTERNAL TEST - OCTOBER 2022

II B.COM (BATCH - I)

ADVANCED FINANCIAL ACCOUNTING

Duration: 1 Hr.

Subject Code: CMCO31

Marks: 20

Date: 27.10.2022

PART - A (2 X 1 = 2 marks)

I. Choose the correct answer

1. A, B and C are partners sharing profits in 2:2:1. If 'C' retires the new ratio will be-----

- (a) 3:2
- (b) 2:3
- (c) 1:1
- (d) 2:1

2. Joint Life Policy account is-----

- (a) Personal a/c
- (b) Real a/c
- (c) Nominal a/c
- (d) Capital a/c

PART - B (2 X 5 = 10 marks)

II. Answer all the questions choosing either (a) or (b)

3. (a) A, B and C were partners of a firm sharing profit and losses in the ratio of 5:3:2. Goodwill account stood in their books at Ra.36, 000. C wanted to retire. In view of that the partners decided to update the value of goodwill to Rs.50, 000. Pass entry.

(OR)

(b) X, Y and Z are partners sharing profits in the ratio of 5:3:2. Z retires and his share is taken by X and Y in the ratio of 2:1. Find out their new profit sharing ratio of X and Y.

4.(a)A, B and C were partners in a firm sharing in the ratio of 2:2:1 respectively. Several policies were taken by the firm on the lives of partners. A for Rs. 20, 000, B for Rs. 25,000 and C for Rs.16, 000. The annual premium was charged to profit and loss account. B died and the policies realised. The surrender value of the remaining policies on



the date of B's death was 50% of the sum assured. The Premium paid is treated as expenses.

Give journal entries relating to the life policies on B's death.

(OR)

(b) Explain the joint Life policy and several life policy and treatment of that.

PART - C (1 x 8 = 8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a) 'A' and 'B' sharing profits in the ratio of 3:2 took out a joint life policy in 1st January 2000 of Rs .20,000 for 20 years, paying an annual premium of Rs. 1,000 . The surrender value were 2010 - nil; 2011- Rs. 200;2012 - Rs. 550;2013 - Rs. 970; 'B' died on 8th march 2013 and claim was received on 30 April. Show joint life policy account and joint life policy reserve account.

(OR)

(b) P, Q and R share profits in proportion 1/2, 1/4 and 1/4. On the date of dissolution their balance sheet was as follows:

Liabilities	Rs.	Assets	Rs.
Creditors	14,000	Sundry Assets	40,000
P's Capital	10,000		
Q's Capital	10,000		
R's Capital	6,000		
	40,000		40,000

The assets realised Rs.35, 000. Creditors were paid in full. Realisation expenses amounted to Rs.1, 500. Close the books of the firm.

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III SEMESTER, III INTERNAL TEST - OCTOBER 2022

II B.COM (BATCH- I)

BANKING THEORY, LAW & PRACTICE

Duration: 1 Hr.

Subject Code: CMCO32

Marks : 20

Date: 28.10.2022

PART- A

(2 × 1 = 2marks)

I Choose the correct answer

1. The Reserve Bank of India was setup in-----
- 1947
 - 1942
 - 1935
 - 1960

2. Credit cards first emerged in -----

- USA
- England
- India
- France

PART B

(2 × 5 = 10 marks)

II Answer ALL the questions either (a) or (b)

3. (a) What are the uses of E-Banking?

(OR)

(b) What is the feature of Home Banking?

4. (a) What are the features of mobile banking?

(OR)

(b) Enumerate the methods of credit control by RBI.

PART C

(1 × 8 = 8 marks)

III Answer ALL the questions either (a) or (b)

5. (a) Discuss the merits and demerits of credit cards.

(OR)

(b) Explain the functions of RBI.

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III SEMESTER, III INTERNAL TEST- OCTOBER 2022

II B.COM (BATCH -I)

BUSINESS COMMUNICATION

Duration: 1 Hr.

Subject Code: CSC031

Marks: 20

Date: 29.10.2022

Part- A (2 X 1 =2 marks)

I. Choose the correct answer

1. The main functions of commercial banks are accepting deposits and -----

- (a) Lending loans and advances
- (b) Borrowing money
- (c) Providing agency services

2. Deposits of a bank are grouped into ----- groups

- (a) 2
- (b) 3
- (c) 4
- (d) 5

PART -B (2 X 5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3. (a). Write a letter to a bank asking for Overdraft facilities.

(OR)

(b) Write a letter asking about surrender value of a policy.

4.(a) What are the principles of insurance?

(OR)

(b) What are the functions of a bank?



PART -C

(1 x 8=8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a) What are the classification of bank correspondence?

(OR)

(b) Draft a letter intimating about maturity of the policy.

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III SEMESTER, III INTERNAL TEST - OCTOBER 2022

II B.COM (BATCH- I)

COMPUTER APPLICATION IN BUSINESS

Duration: 1 Hr.

Subject Code: CACOP1

Marks : 20

Date: 31.10.2022

PART- A

(2 × 1 = 2marks)

I Choose the correct answer

1. PowerPoint presentation style contains

- a) Title
- b) Blends
- c) Bolds stripes
- d) Clip art

2. ____ contains formatting option of a power point presentation

- a) Design template
- b) Auto content wizard
- c) Presentation style
- d) Blank presentation

PART B

(2 × 5 = 10 marks)

II Answer ALL the questions either (a) or (b)

3. (a) Explain the Inserting Table in PowerPoint.

(OR)

(b) Briefly discuss the purpose of creating Power Point Presentation.

4. (a) How to create Power Point Presentation?

(OR)

(b) Discuss Creating and Editing Slides.



PART C

(1 × 8 = 8 marks)

III Answer ALL the questions either (a) or (b)

5. (a) Elaborate the Power Point menus.

(OR)

(b) What are the various views in PowerPoint?

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V SEMESTER, III INTERNAL TEST - OCTOBER 2022

III B. COM BATCH I & BATCH II

CORPORATE ACCOUNTING-I



Duration: 1 Hr.

Subject Code: AMCO51

Marks: 20

Date: 26.10.2022

Part- A

(2 X 1 =2 marks)

I. Choose the correct answer

1. Gross Profit to be apportioned between pre and post incorporation periods in -----

- (a) Time Ratio (b) Adjusted Time Ratio
(c) Sales Ratio (d) None of the above

2. The excess of purchase price over net assets is -----

- (a) Goodwill (b) Purchase Consideration
(c) Realisation (d) Capital Reserve

PART -B

(2 X 5 =10 marks)

II. Answer the following question, choosing either (a) or (b)

3. (a) Explain the terms amalgamation and absorption.

(OR)

(b) The company Y takes over the business of company X. The value agreed, for various assets is Goodwill - Rs.22,000; Land and Building - Rs.20,000; Plant and Machinery - Rs.25,000; Stock - Rs.15,000; Debtors - Rs.10,000; Y company does not take over cash but agrees to assume the liability of sundry creditors at Rs.4,000. Calculate purchase consideration.

4. (a) R Ltd issued 10,000 shares of Rs.100 each at a premium of Rs.20 per share. The entire issue was underwritten as follows:

- A - 5,000 shares (Firm Underwriting 1,000 Shares)
B - 3,000 shares (Firm Underwriting 500 Shares)
C - 2,000 shares (Firm Underwriting 500 Shares)

The number of shares applied for were 9,000. The following were marked applications.

A - 3,500 Shares; B - 1,400 Shares; C - 1,600 Shares including firm underwriting. Prepare Statement showing their net liability.

(OR)

(b) What is profit before incorporation?

PART -C

(1 x 8=8 marks)

III. Answer the questions, choosing either (a) or (b)

5. (a) P Ltd was incorporated on 01.07.1997 to take over the business carried on by R as a going concern with effect from 01.04.1997. The following is the profit and Loss Account for the year ended 31.03.1998 of P Ltd.

Dr		Cr	
Particulars	Rs	Particulars	Rs
To Administration Expenses	18,000	Gross Profit	75,000
To Director's Fees	3,000		
To Selling Expenses	36,000		
To Audit Fees	1,000		
To Preliminary Expenses	3,000		
To Net Profit	14,000		
	75,000		75,000

Sales Rs.3,00,000; (Sales Upto 30.06.1997 is Rs. 1,00,000)

You are required to prepare a statement sharing the profit earned prior to and after incorporation.

(OR)

(b) What is meant by Purchase Consideration? List out the expenses apportioned in Sales Ratio.

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V SEMESTER, III INTERNAL TEST - OCTOBER 2022

III B.COM (BATCH- I)

COST ACCOUNTING

Duration: 1 Hr.

Subject Code: AMCO52

Marks: 20

Date: 28.10.2022

Part- A (2 X 1 = 2 marks)

I. Choose the correct answer

1. Piece-wage system -----

- (a) Benefits the employer only
- (b) Recognises individual efficiency
- (c) is favoured by trade unions
- (d) loss to the employer

2. The total earnings of a worker are same under both Halsey and Rowan plans when time saved is -----

- (a) 50% of the standard time
- (b) less than 50% of the standard time
- (c) more than 50% of the standard time
- (d) less than 80% of the standard time

PART -B (2 X 5 = 10 marks)

II. Answer all the questions choosing either (a) or (b)

3. (a). Find Labour Turnover under separation method:

No. of workers on the payroll:

At the beginning of the month : 500

At the end of the month : 600

During the month, 5 workers left, 20 persons were discharged.

(OR)

(b) Using the following data calculate the earnings of a worker under Halsey plan, rate per hour Rs.2; Standard time 20 hours; Time taken 15 hours.



4.(a) Calculate the total earnings and the rate earned per hour of three workmen under Rowan plan.

Standard time 20 hours.

Hourly rate of wages Rs.4

Time taken by A-16 hours ; B -10 hours; C - 8 hours

(OR)

(b) From the data given below, illustrate time wage system

Standard time 60 hours

Time taken 50 hours

Wage rate per day of 8 hours Rs.96

PART -C (1 x 8=8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a) Calculate the earnings of worker Basheer under Taylor's differential piece rate system from the following:

Normal rate per hour : Rs.24

Standard time per unit : 30 seconds

Differential piece rate to be applied

80% of piece rate below standard

120% of piece rate above standard

Worker Basheer produced 800 units per day of 8 hours.

(OR)

(b) Find out the cash required for payment of wages in a particular Month

- a) Normal wages 20,500
- b) Overtime wages 2,200
- c) Leave wages 1,700
- d) Deduction of employees share to state insurance contribution 500
- e) Deduction for employees contribution to P.F 1,600
- f) House rent to be recovered from employees 3,000

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V SEMESTER, III INTERNAL TEST - OCTOBER 2022

III B.COM (BATCH- I)

BUSINESS LAW

Duration: 1 Hr.

Subject Code: AMCO53

Marks : 20

Date: 29.10.2022

PART- A

(2 × 1 = 2marks)

I Choose the correct answer

1. ----- means substitution of a new contract in the place of an existing one.

- a) Novation
- b) Alteration
- c) Recission
- d) Remission

2. ----- is an order of the court restraining a person from doing same act.

- a) Damages
- b) Sent for performance
- c) Injunction
- d) Exemplary damages

PART B

(2 × 5 = 10 marks)

II Answer ALL the questions either (a) or (b)

3. (a) What do you understand by performance of contract? What are the kinds of performance? What are the essentials of a valid tender?

(OR)

(b) What are the types of Reciprocal Performance and state the Rule of time and place of performance?

4. (a) What are the rights of bailor?

(OR)

(b) What are the rights of bailee?



PART C

(1 × 8 = 8 marks)

III Answer ALL the questions either (a) or (b)

5. (a) What are the rights of surety against the principal debtor and creditor?

(OR)

(b) Explain Condition and Warranty.

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V SEMESTER, III INTERNAL TEST - OCTOBER 2022

III B.COM (BATCH -I)

PERSONALITY DEVELOPMENT

Duration: 1 Hr.

Subject Code: ACSB51

Marks: 20

Date: 31.10.2022

PART- A

(2 X 1 =2 marks)

I. Choose the correct answer

1. ----- is our body reaction to people and events and to our own thoughts.
(a) Emotional
(b) Stress
(c) Self-image
(d) None of the above

2. Ego belongs to -----

- (a) Parent
(b) Adult
(c) Child
(d) Elder

PART-B

(2 X 5 =10 marks)

II. Answer all the questions choosing either (a) or (b)

3.(a) Discuss about the process of communication.

(OR)

(b) Trace the components of Emotional Intelligence.

4.(a) List out the symptoms of Stress.

(OR)

(b) Explain the type of Transactions.



PART -C

(1 x 8=8 marks)

III. Answer all the questions choosing either (a) or (b)

5.(a) What are the barriers of Communication? Explain.

(OR)

(b) What is Johari Window? Explain its application.

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V SEMESTER, III INTERNAL TEST - OCTOBER 2022

III B.COM (BATCH- I)

RESEARCH METHODOLOGY

Duration: 1 Hr.

Subject Code: AMCO54

Marks : 20

Date: 01.11.2022

PART- A

(2 × 1 = 2marks)

I Choose the correct answer

1. A member or an object of the population is a ____
- Sample size
 - Sample frame
 - Population
 - Element

2. Judgement sampling is known as _____

- Quota sampling
- Purposive sampling
- Accidental sampling
- Convenience sampling

PART B

(2 × 5 = 10 marks)

II Answer ALL the questions either (a) or (b)

3. (a) Distinguish between sample survey and census survey.
(OR)
(b) What are the elements in the process of sampling?
4. (a) Write a note on snowball sampling method.
(OR)
(b) Explain the non -random sampling method.



Department of
Commerce


PART C

(1 × 8 = 8 marks)


III Answer ALL the questions either (a) or (b)

5. (a) Distinguish between primary data and secondary data
(OR)
(b) Explain the different types of sampling.

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V SEMESTER, III INTERNAL TEST – OCTOBER 2022

III B.COM (BATCH-I)

INCOME TAX LAW & PRACTICE- I

Duration: 1 Hr.

Subject Code: AECO51

Marks: 20

Date: 03.11.2022

PART – A

(2 × 1 = 2 marks)

I. Choose the correct answer

1. Employer's contribution towards RPF is taxable in excess of ____.

- a) 9% of salary
- b) 9.5% of salary
- c) 12% of salary
- d) 15% of salary

2. Computer and Laptop given to an employee is an example of ----- perquisite.

- a) Fully taxable
- b) taxable for Specified employees only
- c) partly taxable
- d) Exempted for all

PART- B

(2 × 5 = 10 marks)

II. Answer all the questions either (a) or (b)

3. (a) Mr.Gobi retired from service on 27.07.2021 after a period of 27 years and 7 months and received Rs.5,00,000 as gratuity from his employer. He is covered under the Payment of Gratuity Act. At the time of retirement of retirement his salary was as mentioned below:

Basic Pay Rs. 12,000 p.m. Dearness Allowance Rs.7,500 p.m.

Commission on turnover Rs.50,000 p.a. Find out his taxable gratuity.

(OR)

(b) Mr.Kiran retired on 30.09.2021 after serving 23 and 9 months. He was receiving a basic salary of Rs. 6,000 p.m. and as DA 20% of his salary (50% of salary part of salary) .On retirement he received Rs.1,80,000 a gratuity. He was entitled to a pension of Rs.3,600 p.m. from 01.10.2021 He got 75% of pension commuted on 01.01.2022 and received a sum o Rs.1,20,000 as commuted pension. Compute his taxable pension.

4. (a) Mr.Arun an employee of ABC Ltd., retired on 31.10.2021.Hi particulars are as follows:

- i. Basic salary Rs.10,000.
- ii. Years of service 22years 11 months.
- iii. Leave encashment Rs.1,50,000.
- iv. Leave availed during the service 18 months.
- v. Balance unavailed leave 15 months.
- vi. Average salary of the last 10 months Rs.9,000.
- vii. Leave eligibility a month and a half for every completed year o service. Compute the taxable amount of leave encashment.

(OR)

(b) Define Annual Value. How it is determined?

PART- C

(1 × 8 = 8 marks)

II. Answer ALL the questions either (a) or (b)

5. (a) Mr.Gowtham is working in a public company at Chennai, ha furnished the following particulars of his salary income for the previou year 2021-2022.Compute his taxable salary.

- i. Basic salary Rs.8,000 p.m.
- ii. DA (75% forming part of salary) Rs.4,000 p.m.
- iii. Bonus Rs.6,000 p.a.
- iv. Education Allowance for his children Rs.600 p.m.
- v. City Compensatory Allowance Rs.1,000 p.m.
- vi. Medical Allowance Rs.600 p.m.
- vii. Entertainment Allowance Rs.1,000 p.m.

viii. He is provided with rent free accommodation. The rent paid by the employer for that accommodation is Rs.2,000 p.m. Cost of furniture is Rs.20,000.

ix. Professional tax paid by Mr.Gowtham Rs.1,400.

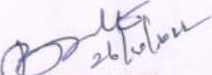
x. He contributes 15% of salary towards RPF. His employer also contributes an equivalent amount. Interest on PF credited @12% is Rs.2,640.

(OR)

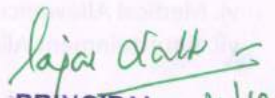
(b) From the following particulars, calculate the Gross Annual Value.

Particulars	House I	House II	House III	House IV
	Rs.	Rs.	Rs.	Rs.
Municipal value	21,000	49,500	84,000	48,000
Fair rental value	18,000	54,000	80,000	42,500
Standard Rent	20,000	63,000	75,000	37,000
Actual rent	19,000	51,000	55,000	45,000

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