Room No: _____   Regd No: ___10___

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I Degree (All Groups)   Max Marks : 60
Subject   : English   Pass Mark : 24
Title of Paper : A Course in Reading And Writing Skills   Duration   : 3 Hrs
Paper Code   : R20ENG201A   Time   : 9am – 12 noon
W.E.F   : 2022-23   Date   : 10-05-2025

I. Answer any <u>THREE</u> Questions from the following: 3X4=12M

1. What was the mistake that Aristotle made?

2. How did the Kelvy's children get the opportunity to see the beautiful doll's house? What happened after that?

3. Describe the doll's house and the children.

4. Why did the author wonder about Deoli station?

5. Where would the author spend his summer vacation? When would he leave for the vacation and return to college?

II. Answer any <u>THREE</u> Questions from the following: 3X4=12M

1. Is the west wind destroyer, a preserver or both? Explain.

2. Why was the dancing girl sent away from the town?

3. Describe the life of an Ascetic.

4. What relationships does the speaker describe in the poem Coromandel Fishers?

5. What does the speaker describe as sweet and sweeter in the poem Coromandel Fishers?

III. Answer any <u>THREE</u> Questions from the following: 3X4=12M

1. What did the astrologer carry with him?

2. What did the astrologer ask Guru Nayak to do?

3. What is the role of fate and chance in the story?

4. Why was Florence called ' The lady with the lamp' ?

5. How did nightingale bring about a change in the hospital in Scutari?

IV. Answer the following: 4X1=4M

1. Fill in the blanks with a suitable answer given in the brackets:
   a. I might _____ a lesson from you (take/make)

   b. He is brilliant _____ football (on/at)

   c. The one who knows everything . _____ (Omniscient/Omnipotence)

   d. A place where orphans live _____ (Orphanage/Arsenal)

[P.T.O]

2. Read the given paragraph and answer the questions below: 4X1=4M

Male lions are rather reticent about expending their energy in hunting –more than three quarters of kills are made by lionesses. Setting off at dusk on a hunt , the lionesses are in front of tensely scanning ahead, the cubs lag playfully behind and males bring up the rare walking slowly, their massive heads nodding with each step as if they were bored with the whole matter. But slothfulness may have survival value. With lionesses busy hunting , the males function as guards for the cubs, protecting the particularly from the hyenas.

Questions

1. According to the passage, male lions generally don't go for hunting because
   a) they don't like it
   b) they want lionesses to get training
   c) they wish to save their vigour
   d) they are very lazy

2. When the lionesses go for their prey, they are very
   a) serious
   b) cautious
   c) playful
   d) sluggish

3. Male lions protect their cubs
   a) from members of their own species
   b) from hyenas particularly
   c) from other enemies
   d) none of the above

4. Lionesses go for hunting
   a) all alone
   b) with their male partners
   c) with their cubs and male partners
   d) with their cubs only

(OR)

3. Read the following passage and make notes:

People have used milk as a food since ancient times. Yet in different parts of the world different animals have been the source of its supply.
In Britain and among other English-speaking people, the cow furnishes most of the milk supply. In Peru, the Llama is a milk-producing animal. In Tibet, the people get milk from the Yak. And in many countries, the goat is an important supplier of milk.

1X4=4M

4. Expand any one of the following:
   same
   a) Birds of a feather flock together
   b) A book cannot be judged by its cover

(OR)

5. Describe the following terms:
   a) Minutes
   b) Notice
   c) Agenda

[Continued to Next Page]

5. Answer any question from the following: 1X4=4M

1. What are the differences between skimming and scanning?

2. Explain the structure of the C.V

7. Answer any <u>TWO</u> Questions from the following: 2X4=8M

1) Submit a suitable candidate's Resume to the minutes that invites candidates to the post of Assistant Professor in English.

2. Write a letter to a friend, detailing your plans for the future

3. You are a programmer in a software company. Your team leader has scheduled a video conference with a client. Write an email to the head stating your inability to attend the video conference,

SECTION-A

I. Answer any <u>FIVE</u> of the following Questions   5X4=20M

1. What are the components of MS-word?

2. How to create a folder/sub folder on desk top and hard disk?

3. How you will edit a document?

4. Write about Data sorting?

5. Explain about Data filtering?

6. Explain the parts of Excel window?

7. Explain the slide Transition?

8. Write about working with graphics in Power Point?

SECTION-B

II. Answer <u>ALL</u> the following Questions   3X10=30M

9. Explain about Mail Merge and its uses?

(OR)

10. Explain about Email and its uses?

11. Explain different types of charts?

(OR)

12. What are the Features of Excel?

13. Explain Auto Content Wizard in Power point?

(OR)

14. What are the Features of Power Point?

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I Degree Hons [All Groups]   Max Marks : 50
Subject   : English   Pass Mark : 20
Title of Paper : **Business Writing**   Duration   : 2 Hrs
Paper Code   : R23SDPB202   Time   : 9am – 11am
W.E.F   : 2024-25   Date   : 08-05-2025

SECTION-A

I. Answer any FOUR of the following Questions   **4X5=20M**

1. What is the importance and purpose of business writing?

2. Explain common challenges and misconceptions in business writing.

3. Explain how to write an effective persuasive letter.

4. How do you ensure clarity and coherence in inter office communication?

5. What are business proposals?

6. What are reports? Explain formal report writing.

SECTION-B

II. Answer any THREE of the following Questions   **3X10=30M**

7. What are the fundamentals of Business writing? Explain the characteristics of good business writing.

8. What is e-mail etiquette? Why is having email etiquette important?

9. List out various purposes where in memos are used in business communication.

10. What are the components and structure of a business letter. Write a letter of inquiry or complaint.

11. Explain the importance and procedure of writing for digital platforms.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.SC(ALL)H
Subject   : Commerce
Title of Paper : Marketing Skills
Paper Code : R23SDPA202
W.E.F   : 2023-24

Max Marks : 50
Pass Mark : 20
Duration   : 2 Hrs
Time   : 9am – 11am
Date   : 08-05-2025

SECTION-A

I. Answer any FOUR of the following Questions   4X5=20M

1. Define Market Research.

2. What are the factors influencing consumer buying behaviour.

3. What is Branding?

4. Explain in briefly about pricing strategies.

5. Explain about social media marketing.

6. Communication skills of a sales person.

7. Explain Negotiation in selling.

8. Write a short note on New product development.

SECTION-B

II. Answer any THREE the following Questions   3X10=30M

9. What are the major components of External Environment.

10. Explain about Market segmentation, Targeting, positioning.

11. Explain in detail about the product life cycle (PLC) stages.

12. Explain in detail about channel management decisions.

13. Highlight the various personal selling skills in marketing.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen, TP, Comp, Log) BBA , BCA	Max Marks	: 50
Subject	: Commerce	Pass Mark	: 20
Title of Paper	: Agricultural Marketing	Duration	: 2 Hrs
Paper Code	: R20SDC202B	Time	: 9am – 11am
W.E.F	: 2020-21	Date	: 08-05-2025

SECTION-A

I. Answer any FOUR of the following Questions   4X5=20M

1. Definition of Agriculture Marketing.

2. Money Lenders

3. Structure of an Agriculture Markets

4. Functioning of Market Yards.

5. Contract Farming.

6. Assembling and Grading.

7. Selection and Target Market.

8. Goods and Service.

SECTION-B

II. Answer any THREE of the following Questions   3X10=30M

9. Explain the role of marketing in agriculture.

10. Discuss about top 10 agricultural products grown in India.

11. Explain about Rythu Bharosa Kendra.

12. Discuss the role of ITC.

13. What are marketing mix elements and explain its importance in agricultural marketing?

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen , TP, Comp & Log) , BBA & BCA	Max Marks	: 50
Subject	: Commerce	Pass Mark	: 20
Title of Paper	: Advertising	Duration	: 2 Hrs
Paper Code	: R20SDC203B	Time	: 9am – 11am
W.E.F	: 2021-22	Date	: 09.05.2025

SECTION - A

I. Answer any FOUR of the following Questions   4X5=20M

1. Write the functions of advertising.

2. Write the purpose of advertising.

3. Write the ethical issues in advertising.

4. Write laws in advertising.

5. Write the meaning of Business Promotion.

6. Write the meaning of local advertising.

7. What is typical advertisement?

8. Write the responsibilities of advertising.

SECTION-B

II. Answer any THREE of the following Questions   3X10=30M

9. Explain the types of advertising.

10. State the essentials of good advertising.

11. Explain advertising statutory bodies in India.

12. Explain in brief about reaching target groups for advertising.

13. Explain about ASCI.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.SC/B.COM/B.VOC/BCA(COMP,MCCS,MPCS,MSCS,MECS,IOT,DS)   Max Marks : 50
Subject : Foundation   Pass Mark : 20
Title of Paper: Indian Culture & Science   Duration : 2Hrs
Paper Code : R20LSC202   Time : 9am-11am
W.E.F : 2023-24   Date : 07-05-2025

SECTION-A

I. Answer any FOUR of the following Questions   4X5=20M

1. Buddisim.

2. Sufi movement.

3. Important seasonal festivals.

4. Mahatma Gandhi.

5. Dayananda Saraswathi.

6. Gurajada Appa Rao.

7. Online education.

8. Scientific temper

SECTION-B

II. Answer THREE the following Questions   3X10=30M

9. What is Bhakthi Movement? Explain features of Bhakthi Movement.

10. Write the achievements in Literature, Music, Dance, Sculpture and painting.

11. Discuss the socio Religious Movements of Rajaram Mohan Roy.

12. Discuss about the socio reforms of Kandukuri Veeresalingam.

13. Explain the development of Industry in Independent India.

14. Describe the development of Medicine in Independent in India.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I BCA   Max Marks : 75
Subject   : Computer Science   Pass Mark : 30
Title of Paper : Object Oriented Analysis and Design   Duration : 3 Hrs
Paper Code   : R20BCA201   Time   : 9am – 12 noon
W.E.F   : 2020-21   Date   : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions.   5X5=25M

1. Write all the generations of programming languages.

2. Explain about the elements of object model?

3. Explain the Class Lifecycle.

4. Write short notes on Behavior Analysis.

5. Write about the Incremental and Iterative nature of classification.

6. What are the differences between the Component diagram and the Deployment diagram?

7. Write short notes on package diagrams.

8. Explain about State Machine Diagram?

SECTION-B

II. Answer ALL the following Questions.   5X10=50M

9. Explain about the foundation of Object Model.

(OR)

10. Explain the Modularity and Hierarchy concepts in detail.

11. Explain all existed relationships between Class and Object?

(OR)

12. Describe the concepts of Polymorphism and Aggregation?

13. Define the Use case Diagram. Explain the Use Case Analysis.

(OR)

14. Explain Key Abstractions and Mechanisms in detail.

15. Explain the Diagram Taxonomy in UML.

(OR)

16. Explain the use of diagrams of Conceptual, Logical and Physical Models.

17. Write about the Activity Diagram and the Class Diagram in details.

(OR)

18. Write about the Object Diagram and the Communication Diagram in details.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I BCA Hons /B.Sc Hons [CS]	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: **Digital Logic Design**	Duration	: 3 Hrs
Paper Code	: R23BCA201/R23CSC202	Time	: 9am – 12 noon
W.E.F	: 2024-25	Date	: 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Write a short note on weighted codes.

2. Explain about addition of signed numbers.

3. Explain about AND gate with truth table.

4. Explain NOT gate with truth table.

5. Explain about half adder.

6. Explain about ripple adders.

7. Write short note on encoders.

8. Explain about D Flipflop.

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. What is meant by Number System ? Explain different types.

(OR)

10. Write a note on r's, (r-1)'s compliments.

11. Explain about X-OR,X-NOR logic gates with truth tables.

(OR)

12. Explain about Karnaugh Map with an example.

13. Explain about Full Adder.

(OR)

14. Explain about Ripple Subtractor.

15. Explain about Multiplexers.

(OR)

16. Draw a neat diagram for realization of Boolean functions using decoders.

17. Explain about RS Flipflop.

(OR)

18. Explain about registers.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I BCA Hons /B.Sc Hons [CS, Mat, Phy, Stat, Ele, Che, AI]/B.Com Hons

		Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: **Problem Solving Using C/ Programming in C/Problem Solving in C**	Duration	: 3 Hrs
Paper Code	: R23BCA202/R23CSC201/R23COMC202/R23MCSC203	Time	: 9am-12noon
W.E.F	: 2024-25	Date	: 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Explain variables in 'C'

2. Explain different programming languages

3. Explain While loop with an example.

4. Explain about the Jumping statements.

5. What is String? How to declare and initialization of string variable.

6. Explain the difference between Structure and Union.

7. Explain about nested structure.

8. What are Command line arguments give an example?

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. What is operator? Explain types of operators available in C.

(OR)

10. Explain different data types available in C.

11. Explain different looping statements.

(OR)

12. What is an Array? Explain types of arrays.

13. Explain different categories of functions

(OR)

14. Explain string handling functions in C.

15. Explain Dynamic memory allocation with example

(OR)

16. Explain about the array of structure with example.

17. Explain how to read the data from the file.

(OR)

18. Explain about the file management

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I BCA/B.SC(IOT,DS)	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Data Structures	Duration	: 3 Hrs
Paper Code	: R20BCA202/R20IOTDS201/R20DSDS201	Time	: 9am–12 noon
W.E.F	: 2023-24	Date	: 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X5=25M**

1. What is Data structure? Explain data structure operations.

2. Explain the concept of insertion sort.

3. Explain complexity, time – space trade off.

4. Explain Different types of operations.

5. Explain polish notation with an example.

6. Draw and explain linked representation of stacks.

7. Explain the following.

   a) Root   b) Leaf

8. Define Graph and Draw different types of Graphs.

SECTION-B

II. Answer ALL the following Questions   **5X10=50M**

9. Explain the concept of Binary search with example.

(OR)

10. Write a program to search an element using linear search.

11. Write a 'C' program Bubble sort.

(OR)

12. Explain quick short with example.

13. Convert the given arithmetic expression in to post fix expression (A+B)*C/(D-E)*F/G+H

(OR)

14. Explain Insertion, deletion, traversing and searching in linked list.

15. Define Recursion and write a algorithm for towers of Hanoi and explain.

(OR)

16. Write a 'C' program to implement queen using linked list.

17. Explain DFS algorithum with example.

(OR)

18. Write an algorithm for BFS with example.

SECTION-A

I. Answer any ALL of the following Questions   5X4=20M

1. Define algorithm .Explain algorithm notations.
2. Explain the concept of insertion sort.

3. Write an algorithm for selection sort.

4. Explain different types of Queues.

5. Explain stack and it's operations.

6. Explain about linked representation of stacks.

7. Explain Tower of Hanoi.

8. Explain different types of graphs.

SECTION-B

II. Answer any ALL of the following Questions   5X8=40M

9. Explain about classification of Data structures.

(OR)

10. Explain the concept of binary search with example.

11. Explain Quik sort with example.

(OR)

12. Explain about Bubble sort with example.

13. Explain stack using Arrays.

(OR)

14. Explain insertion, deletion, travelling and searching in linked list.

15. Write a c program to implement of stack using linked list.

(OR)

16. Define Recursion. Write an alogorthim for towers of Hanoi and explain.

17. Explain BFS with example.

(OR)

18. Explain about Tree Terminology.

SECTION-A

I. Answer any <u>FIVE</u> of the following Questions.   5X5=25M

1. Write the features of Python Programming.

2. How way represent the comment lines in the Python programming?

3. Write about the Keywords and Identifiers in Python.

4. Write short notes on Command line arguments.

5. Write all the differences between break and continue statements in Python.

6. Write all advantages of Arrays in Python.

7. How to create and find the length of a string in Python.

8. Write about the Function Definition and Function Call in Python.

SECTION-B

II. Answer <u>ALL</u> the following Questions.   5X10=50M

9. Explain the PVM with memory management in Python.

(OR)

10. Explain about the procedure of executing the Python Program.

11. Explain various Data Types existed in Python.

(OR)

12. Explain different types of Operators available in Python Programming.

13. Explain Input and Output statements in Python with simple example program.

(OR)

14. Explain various Looping statements in Python.

15. Explain different types of Arrays in Python.

(OR)

16. How to read and print the array in Python? Explain with simple example.

17. Define the List. Explain the procedure to create a list with example.

(OR)

18. Define a function. Explain about the Recursive functions in Python.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I BCA Hons /B.Sc Hons [DS] /B.Voc Hons [SD]   Max Marks : 60
Subject   : Computer Science   Pass Mark : 24
Title of Paper : **Introduction to Data Science & R Programming**   Duration : 3 Hrs
Paper Code   : R23MBCA203/R23DSCSC202/R23MBV203   Time   : 9 am – 12 noon
W.E.F   : 2024-25   Date   : 16-05-2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Write about applications of machine Learning in data science.

2. Write a note on reader () package in R.

3. Explain about data types in R.

4. Write a note on Strings in R.

5. Write a short note on CSV file.

6. Explain pie charts in R.

7. Explain Line graphs in R.

8. What is melting and casting?

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. Explain about data preparation.

(OR)

10. Explain briefly about data modelling.

11. Explain about dataframes in R.

(OR)

12. Write briefly about functions in R.

13. Explain the Excel file operations in R.

(OR)

14. Explain about application of NA and Trim options in R.

15. Explain Histograms in R.

(OR)

16. Explain Scatter plots in R.

17. How to load a package to the library?

(OR)

18. How to install a package directly from CRAN?

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Explain about python virtual machine.

2. Explain built data types in python.

3. Explain Assignment operator with example.

4. Explain about continue statement in detail.

5. Explain input and output statements in python.

6. What is Array? Explain how to create Array in python.

7. Explain how to array using ones ( ) function.

8. Explain recursion function in python.

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. Explain the procedure to executing a python program.

(OR)

10. Explain the features of python.

11. Explain Arithmetic and Boolean operators with examples.

(OR)

12. Explain Data types in python.

13. Explain different if statements in python.

(OR)

14. Explain command line Arguments in python.

15. Explain about multidimensional Array with example.

(OR)

16. Explain different string functions in python.

17. Explain different functions in python.

(OR)

18. Define list and Explain procedure to create list with examples.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Com Hons [Gen, TP, Comp]   Max Marks : 60
Subject : Commerce   Pass Mark : 24
Title of Paper : **Financial Accounting**   Duration : 3 Hrs
Paper Code : R23COM201   Time : 9am – 12noon
W.E.F : 2024-25   Date : 13/05/2025

SECTION-A

I. Answer ALL the following Questions   5X12=60M

1. What is meant by Double Entry System? Explain its advantages.

(OR)

2. Journalise the following transactions in the books of Ramoji.

		Rs.
2014 Dec 1	Commended business with cash	45,000
4	Purchased goods for cash	25,000
5	Paid for wages	500
9	Goods sold for Cash	8,000
11	Purchased goods from Lalitha	7,000
15	Goods sold to Sekhar	5,000
23	Received Cash from Sekhar	1,000
31	Paid office rent	400
31	Paid Salaries	1,000
31	Advertisement paid	2,000

3. Write a short note (a) Capital Expenditure (b) Revenue Expenditure.

(OR)

4. From the following Trial Balance, prepare a Trading and Profit and Loss Account and Balance Sheet as on 31-3-2014

Particulars	Debit Rs.	Credit Rs.
Capital		8,500
Plant	1,900	
Opening stock	2,920	
Purchases and Sales	20,724	23,312
Drawings	1,420	
Purchases and Sales returns	420	
General Expenses	880	582
Rent	240	
Rates	400	
Apprentice premium		160
Bank overdraft		480
Bad Debts	344	
Debtors and Creditors	8,400	4,000
Cash in hand	96	
Bad debts reserve		210
	37,744	37,744

[P.T.O]

Make provision for the following:
1. Depreciate plant at 10%.
2. Increase bad debts reserve to 5% on sundry debtors.
3. Rent accured is Rs.80.
4. Rates of Rs.160 are paid in advance.
5. Stock on hand as on 31st March is Rs.3,400.
6. Apprentice premium received in advance is Rs.40.

5. What are the features of Depreciation?

(OR)

6. A manufacturing concern whose books are closed on 31st march, purchased machinery for Rs.1,50,000 on 1-4-2003. Additional machinery was acquired for Rs.40,000 on 30-09-2004 and for Rs.25,000 on 1-4-2006. Certain machinery, which was purchased for Rs.40,000 on 30-09-2004, was sold for Rs.34,000 on 30-09-2006. Additional machinery was purchased for Rs.25,000pm 1-4-2006. Give the machinery amount for the year ending 31-03-2007 taking into account depreciation at 10% per annum on the written down value method.

7. What is Consignment? Explain its features.

(OR)

8. A of Ahmedabad sent 50cases of goods to B of Bombay at Rs.200 per case. Expenses on consignment incurred by the consignor amounted to Rs.300. B worked as Del credere agent. His ordinary commission was 5% and Del credere commission $7\frac{1}{2}$% In due course B sent an account sale to A giving following information.
1. Sales proceeds of 40 cases, Rs.11,000
2. Stock of unsold goods on hand, 10 cases.
3. Consignee's expenses amounted to Rs.120.
4. Consignee charged commission at agreed rates.
5. A bank draft for Rs.8,000 was sent by B along with the account sales.
   Show the necessary accounts in the books of A.

9. Define Joint Venture. Explain its features and advantages.

(OR)

10. On 1-10-2006 Hiren bought a parcel of precious stones for Rs.85,000. He consigned it to Dhiren who agreed to share with him equally the profit and loss in the venture. Hiren paid Rs.900 on account of carriage and insurance. He drew on Dhiren at 3 months for Rs.40,000 on account, discounting the bill on 4-10-2006 for 39,600. Discount is borne by the parties equally.
On receipt of the stones on 3-10-2007 Dhiren paid for insurance Rs.300 and Rs.800 for cutting and polishing. On 28-2-2007, Dhiren sold the stones for Rs.1,05,000, his expenses being Rs.900. on 31st March he sent to Hiren an account sales along with a bank draft for the amount due to him. Write up the accounts as they would appear in the books of Hiren and Dhiren.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Com (Gen,TP,Comp & Log)   Max Marks : 60
Subject   : Commerce   Pass Mark : 24
Title of Paper : Financial Accounting   Duration : 3 Hrs
Paper Code   : R20COM201A   Time   : 9am - 12 noon
W.E.F   : 2022-23   Date   : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Methods of Depreciation

2. Explain about provision for repairs and renewals

3. Features of Bills

4. Renewal of Bill

5. Del-credere commission

6. Valuation of closing stock

7. Joint Venture

8. Write about Account Sales

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Explain the causes for providing Depreciation.

(OR)

10. A company purchased a machine on 1.1.2016 for Rs.40,000. On 1.7.2017 another machine purchased for Rs.10,000. On 31.3.2018 the machinery which was purchased on 1.1.2016 was sold for 19,000 due to major repair. On 1.4.2018 replaced with a new machine for 48,000. You are required to prepare machinery account up to 31.12.2018 by charging depreciation at 10% per annum, under straight line method

11. Distinguish between Provisions and Reserves

(OR)

12. From the following particulars, write up the provision for Doubtful Debtors and provision for Discount on Debtors Account

Date	Particulars	Amount
1.1.2016	Provision for Doubtful Debts	900
1.1.2016	Provision for discount on Debtors	800
31.12.2016	Bad Debts written off	500
31.12.2016	Discount allowed to Debtors	600
31.12.2016	Sundry Debtors	20,000
31.12.2017	Bad Debts written off	300
31.12.2017	Discount allowed to Debtors	350
31.12.2017	Sundry Debtors	12,000
31.12.2018	Bad Debts written off	600
31.12.2018	Discount allowed to Debtors	700
31.12.2018	Sundry Debtors	16,000

The trader maintains a provision for Bad Debts at 5% and a provision for Discount at 2% on the debtors.

[P.T.O]

13. Explain the features of Bills of Exchange

(OR)

14. Khan accepted a bill for Rs.20,000 is unable to meet the same. Before the due date he requested Patel to receive Rs.12,800in case (part of the bill amount plus interest) and to draw on him a new bill for Rs.8,000 for a further period of 2 months and cancel the old bill. Patel agrees to his proposal Pass Journal entries in the books of both the parties.

15. Explain the difference between Consignment and Sales

(OR)

16. Hero motors from Rajkot consigned 500 scooters costing each 40,000 to Harsha Brothers at Hyderabad. Harsha Brothers sent 50,000 towards freight and insurance. During transit 10 scooters were badly damaged and the insurance company accepted to claim of 3,60,000 only. Harsha Brothers took delivery of the remaining scooters and spend 19,000 towards direct expenses and 8,000 towards indirect expenses. There are entitled to 5% commission on sales. 400 scooters were sold at 45,000 each. Show the ledger accounts in the books of Hero Motors.

17. Write the difference between Consignment and Joint Venture

(OR)

18. A and B entered into a Joint Venture, sharing the profit and losses in the ratio of 10:9 A supplied goods to the value of 25,000 and incurred an expenditure of 500. B supplied goods to the value of 21,000 and paid for expenses 1,000 . A sold all the goods for 70,000 for which he is entitled to receive a commission of 5% . Accounts are settled by bank draft. Give journal entries and prepared necessary accounts in the books of A.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen , TP, Comp & Log)	Max Marks	: 75
Subject	: Commerce	Pass Mark	: 30
Title of Paper	: Business Economics	Duration	: 3 Hrs
Paper Code	: R20COM202	Time	: 9am – 12 noon
W.E.F	: 2020-21	Date	: 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions.   **5X5=25M**

1. Define Business economics.

2. Write about demand function.

3. Concept of production function.

4. Characteristics of perfect competation.

5. Explain National Income.

6. Classification of Costs.

7. Equilibrium price.

8. Demand function.

SECTION-B

II. Answer ALL the following Questions.   **5X10=50M**

9. Explain the Nature and Scope of Business Economics.

(OR)

10. Write about Macro Economics.

11. What is law of demand? State the assumptions of law of demand.

(OR)

12. Write the measurements of price elasticity of demand.

13. Draw the Break Even chart and write the advantages of Break Even Analysis.

(OR)

14. Write about variable proportions.

15. Define Monopoly? Explain its characteristics.

(OR)

16. Explain the classification of Markets.

17. Explain various methods of measuring National Income.

(OR)

18. What are the problem's in measuring National Income?

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Com (Gen, TP, Comp, Log)   Max Marks : 60
Subject : Commerce   Pass Mark : 24
Title of Paper : Business Economics   Duration : 3 Hrs
Paper Code : R20COM202A   Time : 9am – 12noon
W.E.F : 2022-23   Date : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Macro Economics

2. Break even Analysis

3. Define Business Economics

4. Elasticity of Demand

5. Total outlay Method

6. Marginal cost

7. Monopoly Features

8. National income

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. What is Business Economics? Explain Nature and Scope of Business Economics.

(OR)

10. Bring out Differences between Micro Economics and Macro Economics.

11. Briefly discuss various determinants of demand.

(OR)

12. What is law of Demand? Explain the assumptions to law of demand.

13. Briefly explain law variable proportions with suitable diagram.

(OR)

14. Explain law of returns to scale in detail.

15. What is mean by perfect competition market? Give its characteristic features.

(OR)

16. Discuss equilibrium price determination under Monopoly competition market

17. Briefly explain various methods of measuring national income

(OR)

18. Explain various concepts of national income.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com Hons [Gen, TP] BBA Hons/BBA [BA]	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: **Web Designing**	Duration	: 3 Hrs
Paper Code	: R23MCS203	Time	: 9am – 12 noon
W.E.F	: 2024-25	Date	: 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Explain www.

2. Explain about the HTML elements.

3. How to work with Image? Explain.

4. Explain about the multimedia objects.

5. Explain about iFrame.

6. Write about text area tag.

7. Explain about z-index.

8. Explain Navigation Bar.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Explain different types of web browsers.

(OR)

10. Explain different formatting tags with examples.

11. What is List? Explain different types of lists.

(OR)

12. Explain about the Hyperlinks.

13. How to working with a Frames? Explain.

(OR)

14. Write a HTML program to generate the student application Form.

15. Explain different types of CSS.

(OR)

16. Explain different types of selectors with examples.

17. Explain about CSS Advanced Techniques.

(OR)

18. Explain about the font, margin, background properties.

Room No: _____   Regd No: __34_____

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I BBA Hons / I BBA Hons (Analytics)   Max Marks : 60
Subject   : Commerce   Pass Mark : 24
Title of Paper : **Principles of Management**   Duration   : 3 Hrs
Paper Code   : R23BBA201   Time   : 9am – 12 noon
W.E.F   : 2023-24   Date   : 13/05/2025

SECTION-A

I. Answer ALL the following Questions   5X12=60M

1. "Is management art or science" Discuss.

(OR)

2. Explain the functions of Management.

3. State various types of plans and explain various levels of planning.

(OR)

4. What is decision making? Explain the process of decision making.

5. What is organizing? Explain its Nature and importance.

(OR)

6. What is delegation of Authority? Explain process of delegation.

7. Explain the importance of staffing and write about components of staffing.

(OR)

8. What is Motivation? Discuss the Maslow's theory of needs hierarchy.

9. What is controlling? Explain the requirements of an effective control system.

(OR)

10. Discuss the techniques of Managerial control.

Room No: _____

Regd No: __35__

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc Hons /BBA Hons/BA Hons
Subject   : Computer Science
Title of Paper : **Digital Literacy**
Paper Code : R23SDP201A
W.E.F   : 2024-25

Max Marks : 50
Pass Mark : 20
Duration : 2 Hrs
Time   : 9am – 11am
Date   : 07-05-2025

SECTION-A

I. Answer any <u>FOUR</u> of the following Questions   4X5=20M

1. What is the function of the function Keys (F1 to F12) on a key board.

2. What is the function of the power card in a computer system?

3. What is folder, sub folder and file.

4. What is E-mail? Explain its advantages.

5. What are some tips for using search engines effectively?

6. What is an internet service provider?

7. Explain how to formal a text in MS-word.

8. How can you upload your resume on a job portal?

SECTION-B

II. Answer any <u>THREE</u> of the following Questions   3X10=30M

9. Explain about basic computer operations in detail.

10. What are the steps to create a folder, Sub-folder, rename a folder and how to add files to the folder.

11. Explain down the steps to on create E-mail account with suitable diagram.

12. Explain how to search for a information in internet.

13. Explain about different ways of paying the online bills.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
I₁ – SEMESTER END EXAMINATIONS

Class : I BBA Hons   Max Marks : 60
Subject : Commerce   Pass Mark : 24
Title of Paper : **Business Economics**   Duration : 3 Hrs
Paper Code : R23BBA202   Time : 9am – 12 noon
W.E.F : 2024-25   Date : 14/05/2025

SECTION-A

I. Answer ALL the following Questions   **5X12=60M**

1. Explain the Nature and scope of Business Economics.

(OR)

2. Distinguish between Micro and Macro Economics.

3. Explain Law of Demand and its exceptions.

(OR)

4. Explain various measurement methods of price elasticity of Demand.

5. Explain the law of variable proportions with help of diagram.

(OR)

6. Define cost of production and explain classification of costs.

7. Explain how equilibrium price in determined under perfect competition market.

(OR)

8. Define monopoly and explain characteristic features of Monopoly.

9. Explain various measurement methods of National Income.

(OR)

10. Define trade cycle and explain various phases of trade cycle.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I BBA Hons [BA]	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: **Quantitative Methods for Managers**	Duration	: 3 Hrs
Paper Code	: R23BBAA202	Time	: 9am to 12pm
W.E.F	: 2024-25	Date	: 14/05/2025

SECTION-A

I. Answer ALL the following Questions   **5X12=60M**

1. Solve the system of equations by using Matrix Inversion Method.

$$2x - y + 3z = 9, x + y + z = 6, x - y + z = 2.$$

(OR)

2. Explain the application procedure for the following concepts.
  i) Elasticity of Demand   iv) Average Cost
  ii) Average Revenue   v) Marginal Cost & Total Cos
  iii) Marginal Revenue

3. Explain the following
  i) Binomial Distribution   ii) Normal Distribution

(OR)

4. The following mistakes per page were observed in a book.

No. of mistakes per page	0	1	2	3	4
No. of times the mistake occurred	211	90	19	5	0

Fit a Poisson Distribution to the above data.

5. Define the concept of Statistics. Explain the importance and limitations of Statistics.

(OR)

6. Calculate the Standard Deviation for the following table giving the age distribution of 542 members.

Age in Years	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90
No. of members	3	61	132	153	140	51	2

7. Solve the following L.P.P. by using Simplex Method

$$\text{Max } Z = 7x_1 + 5x_2$$

Subject to the constraints
$$x_1 + 2x_2 \leq 6$$
$$4x_1 + 3x_2 \leq 12 \text{ and } x_1, x_2 \geq 0$$

(OR)

8. Explain the following
i) Mathematical Formulation of L.P.P ii) Procedure for Graphical Method to solve L.P.P.

9. Obtain an Initial basic feasible solution to the following Transportation Problem by using North West Corner Rule Method

	D_1	D_2	D_3	D_4	Availability
O_1	1	2	1	4	30
O_2	3	3	2	1	50
O_3	4	2	5	9	20
Requirement	20	40	30	10	

[P.T.O]

(OR)

10. 5 men are available to do 5 jobs from past records (time in minutes) that each man takes to do each job and given the following table. How should the jobs be allocated one to one basis so as to minimize total man hours.

		Jobs				
		J_1	J_2	J_3	J_4	J_5
	M_1	130	160	190	200	175
	M_2	120	135	160	175	130
Men	M_3	110	140	170	185	155
	M_4	50	50	80	110	80
	M_5	35	55	80	105	70

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I BBA Hons /BBA Hons [BA] /B.Com Hons[TP]	Max Marks : 60
Subject	: Computer Applications	Pass Mark : 24
Title of Paper	: **Problem Solving in C**	Duration : 3 Hrs
Paper Code	: R23MNCSC203	Time : 9am – 12 noon
W.E.F	: 2024-25	Date : 15/05/2025

SECTION-A

I. Answer any <u>FIVE</u> of the following Questions   5X4=20M

1. Explain Algorithm and Flow chart with example.

2. Write about constants in C Language.

3. Explain break and continue statements with example.

4. Explain difference between while and do-while.

5. Explain two dimensional Array with an example.

6. Write a program to find whether the given string is palindrome or not.

7. Explain Recursion with an example.

8. What is function? Write a procedure to create user define function.

SECTION-B

II. Answer <u>ALL</u> the following Questions   5X8=40M

9. Explain about different Data Types in C language?

(OR)

10. Explain Structure of C language with example program?

11. Explain about different if statement in C language?

(OR)

12. Explain about different looping statements in C language?

13. Explain different types of Arrays with example program?

(OR)

14. Write a program to perform Matrix Addition?

15. Explain String functions in C language?

(OR)

16. Write a program to find no of characters, words ,vowels and consonants in a given string?

17. Explain different Types of functions in C language?

(OR)

18. Explain call by reference and call by value with example programe?

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Com Hons [Comp]   Max Marks : 60
Subject   : Commerce   Pass Mark : 24
Title of Paper : **Fundamentals of Women Studies**   Duration : 3 Hrs
Paper Code   : R23WS201   Time   : 9am – 12noon
W.E.F   : 2024-25   Date   : 16-05-2025

SECTION-A

I. Answer ALL the following Questions   **5X12=60M**

1. Define women's studies and explain its objectives and scope of woman's studies.

(OR)

2. Explain the differences between women's studies and Gender studies.

3. Explain the basic concepts of Women's studies.

(OR)

4. Write about perspectives – Gender sensitive approach.

5. What are the contributions of women in sociology, History and psychology.

(OR)

6. Describe the Achievement and challenges of women in women studies.

7. Explain the definition and scope of women's studies in the Indian context.

(OR)

8. Examine the role of UGC in promoting women's studies in India.

9. What are the socio-Economic Determinants of Women's development.

(OR)

10. Explain the educational factors determining in women development.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com Hons [Gen]	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: **Business Management**	Duration	: 3 Hrs
Paper Code	: R23COM202	Time	: 9am – 12noon
W.E.F	: 2024-25	Date	: 14/05/2025

SECTION-A

I. Answer ALL the following Questions   5X12=60M

1. Define Management and explain its Nature and Significance.

(OR)

2. Explain about Fayal's 14 principles.

3. Explain the various steps in planning process.

(OR)

4. What is Decision-making? Explain its process.

5. What is line organization? Explain the conflicts between line and staff.

(OR)

6. Explain differences between centralization and decentralization.

7. Explain the Nature and functions of Directing.

(OR)

8. What is motivation? Explain about the Maslow's theory of needs hierarchy.

9. Explain the Nature and importance of controlling.

(OR)

10. Elaborate the requirements of an effective control system.

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KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Com Hons [Comp]   Max Marks : 60
Subject   : Commerce   Pass Mark : 24
Title of Paper : **Principles of HRM**   Duration : 3 Hrs
Paper Code   : R23MMT203   Time   : 9am – 12noon
W.E.F   : 2024-25   Date   : 14/05/2025

SECTION-A

I. Answer ALL the following Questions   **5X12=60M**

1. Define HRM and explain objectives of HRM.

(OR)

2. Explain about Role and functions of HR Manger.

3. Define Job specification and its contents.

(OR)

4. Explain the various steps involved in selection process.

5. Explain about various methods of training.

(OR)

6. Explain the methods of executive development program.

7. Define Job evaluation explain its methods.

(OR)

8. Define compensation and explain various components of compensation.

9. Define Industrial relations? Explain its objectives.

(OR)

10. Define collective Bargaining and explain its types.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com(COMP)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: E-Commerce & Web Designing	Duration	: 3Hrs
Paper Code	: R20COMC203A	Time	: 9am – 12noon
W.E.F	: 2022-23	Date	: 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Explain advantages of e-commerce?

2. Write about structure of HTML with example?

3. Explain the procedure formatting text in HTML?

4. Explain different properties and values in CSS?

5. Explain how to define our own styles in CSS?

6. Explain data types in java script?

7. Explain operators available in java script?

8. Write about data validation?

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Explain application of e-commerce?

(OR)

10. Explain briefly about
   a) Online trading   **b)** online auction   **c)** Online adverting   **d)** Online publishing

11. Explain different formatting tags in HTML?

(OR)

12. Explain about types of lists with examples?

13. Explain about different types of CSS?

(OR)

14. Explain formatting blocks of information?

15. Explain about operators in java script?

(OR)

16. Explain control structure with examples in java script?

17. Write a code for data validation in DHTML?

(OR)

18. Explain moving images with an example?

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com (Gen)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: Banking Theory And Practice	Duration	: 3 Hrs
Paper Code	: R20COMG203A	Time	: 9am – 12 noon
W.E.F	: 2022-23	Date	: 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Define Bank.

2. Central Bank.

3. Anywhere Banking.

4. Investment Banking.

5. Cooperative Banking.

6. SIDBI

7. Types of Customers.

8. Paying Bankers.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Define Commercial Bank. Discuss the Functions of Commercial Bank.

(OR)

10. Write various Kinds of Banks.

11. Define Unit Banking. What are its advantages and disadvantages?

(OR)

12. Explain Branch Banking. Discuss its advantages and disadvantages.

13. Explain the functions of Co-operative Banks.

(OR)

14. Write about the Role of NABARD in the Rural Development.

15. Write about the General Relationship between Banker and Customer.

(OR)

16. Write the Statutory Obligations and Legal Rights of a Banker.

17. Define Colleting Banker. What are the Duties and Protection of Colleting Banker?

(OR)

18. What do you mean by Payment in Due Course?

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com Hons [TP]	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: **Income Tax-I**	Duration	: 3 Hrs
Paper Code	: R23COMT202	Time	: 9am – 12 noon
W.E.F	: 2024-25	Date	: 14/05/2025

SECTION-A

I. Answer ALL the following Questions   5X12=60M

1. What is Tax? Explain its objectives.

(OR)

2. Write about Assessment year and Previous year.

3. Explain classification of Incomes.

(OR)

4. Explain special provisions in respect of newly established units in special economic zones

5. Explain the determination of residential status of various persons.

(OR)

6. Mrs Rekha furnishes the following details of her income for the previous year 2023 – 24.

     i) Income accurred in America but received in India Rs.19,000.

     ii) Interest on UK Govt. securities 1/3 of which received in India, Rs.15,000.

     iii) Salary income received in India for services rendered in Germany Rs.28,000.

     iv) Income from agriculture in Bangladesh received and spent there only Rs.16,000.

     v) Income from profession in China received there. The profession was set up in India RS.12,000.

     vi) Income accrued in India but received in China Rs.14,000.

     vii) Income earned outside India in preceding years but remitted in India during previous year Rs.36,000.

     viii) Gift in foreign currency from a relative received in India Rs.10,000.

     Compute the total income of Rekha for the A.Y., 2024 – 25 if she is

     1) Resident   2) Not ordinarily resident and

     3) Non resident

7. What is Allowance and explain various types of Allowancess?

(OR)

8. Mr. Ram an employee of Ranchi populuation 15 lakhs based company provides the following particulars of his income:

[P.T.O]

1. Basic salary	12,000 p.m.	4b
2. Profit bonus	12,000	
3. Commission on turnover achieved by Mr. X	42,000	
4. Entertainment allowance	2,000 p.m.	
5. Club facility	6,000	
6. Transport allowance	1,000 p.m.	

7. Free use of car of more than 1.6 lt capacity for both personal and employment purposes ;

   Expenses are met by employer   1,000 p.m.

8. Rent free house provide by employer.

Lease rent paid by employer   6,000 p.m.

9. Free education facility for three children of the employee:

(Bills issued in the name of employer)   22,500

10. Gas, water and electricity bills issued in the name of employee but paid by employer 16,800.

Compute income under the head salary for the assessment year 2024 – 25

9. Write about determination of Annual value of let – out and self – occupied houses.

<div align="center">

(OR)

</div>

10. Mr. Vasu is given house property details as shown below.

Municipal rent value	Rs.7,500 p.m.
Fair Rental value is	Rs.8,500 p.m.
Standard rental value	Rs.9,000 p.m.
Actual rent ·	Rs.10,000 p.m.
Unrealized rent	1 month
Municipal taxes	Rs. 4,000
Interest on loan	Rs. 30,240
Insurance premium	Rs.10,200

Calculate income from house property for the current assessment year.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Com (TP)	Max Marks : 60
Subject : Commerce	Pass Mark : 24
Title of Paper : Income Tax -II	Duration : 3 Hrs
Paper Code : R20COMT203A	Time : 9am – 12noon
W.E.F : 2022-23	Date : 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Claim of additional depreciation

2. Define Business and profession

3. What are the types of capital assets?

4. What do you mean by cost of acquisition

5. Explain the inadmissible expenses under section 57

6. Aggregation of minor income

7. Tax rates for current assessment year of individuals

8. What is section 80G?

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. Define depreciation and what are the rules regarding claiming of Depreciation?

(OR)

10. The following is the P/L A/c of Mr. Ranjith for the year ending 31st March 2022.

Particulars	Rs.	Particulars	Rs.
To Salaries	1,77,000	By Gross Profit	2,50,000
To Office expenses	18,000	By Bad debts recovered	10,000
To Depreciation	14,000	By Dividend	3,000
To GST	9,000	By Commission	10,000
To Legal expenses	8,000	By Rent of house property	9,000
To Income Tax	7,000	By Brokerage	10,000
To Repairs	6,000	By Sundry receipts	5,000
To donations	2,000	By Share of income from	3,000
To Provision for bad debts	3,000	HUF	
To General expenses	12,000		
To Net Profit	44,000		
	3,00,000		**3,00,000**

Additional Information:
a) Salary includes 6,000 paid to workers employed at home.

b) Legal expenses include 1,000 paid to the advocate in connection with personal case

c) General expenses includes 4,000 as contribution to staff welfare fund.

d) Out of the bad debts recovered only 4,000 were allowed as deduction earlier.

Compute his income from business for the assessment year 2022-23

[P.T.O]

11. How to compute short term Capital Gain and Long term Capital Gain. ५८

(OR)

12. Mr. Anand has purchased a house property on 17-8-2005 for Rs 5,00,000. On 1-5-2008 he constructed a new floor on the same house at a cost of 2,50,000. He sold such house for 18,00,000 and incurred brokerage at 2% for arranging customer. Compute capital gain.

CII 2005-06:117   2008-09:137   2020-21: 301

13. List out the incomes which are taxable under income from other sources
(OR)

14. From the following Particulars, Calculate Income from Other Sources.
   i) Interest on Tax free Govt. Securities Rs 15000 (Net)
   ii) Dividends from Indian Companies Rs.24000
   iii) Royalty on Publication of books Rs 38000
   iv) Rent from letting of Plant, Machinery, Buildings, Furniture. Rs. 68,000
       (Repairs 6000; Insurance Rs. 4,000 collection charges 1200)
   v) Lottery winnings RS. 525000 (Net)
   vi) Commission from LlC of India as an agent Rs.19200
   vii) Collection charges of Interest & dividends RS. 1,500

15. What are the Provisions of law regarding to clubbing of incomes or aggregation of Income.
(OR)
16. What are the Provisions of Income tax Act, 1961 regarding carry forward and set off losses.

17. Briefly explain the deductions u/s 80C, 80GGC, 80QQB and 80RRB

(OR)

18. Prakash Rao Lecturer in a college submits the following particulars of income and payment for the assessment year 2021-22. Compute Total income.
Basic salary 20,000 p.m
Dearness allowance 2,000 p.m
Wardenship allowance 1,600 p.m
Examiner ship remuneration 4,000
Royalty from books 73,920
Income from House property 5000
Interest on government securities 4,600
Deposits of PPF 42000
Donation to Prime minister national relief fund   5000
Health insurance premium paid by cheque   8000

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I BA Hons [PS]   Max Marks : 60
Subject   : Political Science   Pass Mark : 24
Title of Paper : **Fundamentals of Political Science**   Duration : 3 Hrs
Paper Code   : R23PS201   Time : 9 am – 12 noon
W.E.F   : 2024-25   Date : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Significance of political science.

2. Systems approach.

3. Devine origin theory

4. Nature of State.

5. General Will.

6. Criticism of Hobbes Social Contract theory.

7. Functions of Modern State.

8. What are the challenges of creating a welfare state?

SECTION-B

II. Answer any FIVE of the following Questions   **5X8=40M**

9. Define political science and explain its scope.

10. Explain the relationship political science with sociology.

11. Explain about historical approach of political science.

12. Write an essay on behavioral approach of political science.

13. Define state and explain essential elements of state.

14. Write an essay on evolutionary theory (or) historical theory.

15. Explain about Rousseau's social contract theory.

16. Describe the John lock's social contract theory.

17. Discuss the Origin and evolution of Modern state.

18. Define welfare state and explain the features of welfare state.

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Auguste comte.

2. Relation between sociology and Anthropology.

3. Explain the terms status and role.

4. Characteristics of Secondary group.

5. Explain the social control.

6. Define Class.

7. What is Co-operation?

8. What is conflict?

SECTION-B

II. Answer any FIVE of the following Questions   5X8=40M

9. Define Sociology and explain its Nature and scope.

10. Explain the characteristic and functions of Human Society.

11. Define social Group and explain various types of social groups.

12. Define culture and explain characteristics of cultures.

13. What are the various agencies of socialization?

14. Explain briefly about various theories of socialization.

15. What is stratification? Explain its characteristics.

16. Explain the merits and demerits of caste system.

17. Define Accommodation and explain various types of accommodation.

18. Explain about importance of competition in human society.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I BA Hons [PS]	Max Marks	: 60
Subject	: Political Science	Pass Mark	: 24
Title of Paper	: **Concepts and Ideologies of Political Science**	Duration	: 3 Hrs
Paper Code	: R23PS202	Time	: 9am–12noon
W.E.F	: 2024-25	Date	: 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Rule of Law.

2. What are the safeguards of liberty.

3. Scope of power.

4. Legitimacy.

5. Classification of Human rights.

6. Fundamental Rights.

7. Significance of socialism.

8. Characteristics of Fascism.

SECTION-B

II. Answer any FIVE of the following Questions   5X8=40M

9. Define Law and explain sources of Law.

10. Define Liberty and explain types of liberty.

11. Define equality and explain about different kinds of equality.

12. Define Authority and explain about its Nature.

13. Define Rights and explain classification of rights.

14. Explain the social and welfare theory of rights.

15. Define Individualism and explain its principles.

16. Define Anarchism and explain its characteristics.

17. Write an essay on Marxism.

18. Explain Multiculturalism as a political theory.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc Hons [AI]   Max Marks : 60
Subject   : Computer Science   Pass Mark : 24
Title of Paper : **Python For Data Science**   Duration   : 3 Hrs
Paper Code   : R23AICSC202   Time   : 9am-12noon
W.E.F   : 2024-25   Date   : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Explain features of Python.

2. Explain about break and continue statements.

3. Explain about recursive function.

4. Explain about sets in python.

5. Explain about tuples in python.

6. Explain about OOPs concepts.

7. Explain Matplotlib.

8. Explain Pandas.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Explain about conditional statements in python.

(OR)

10. Explain the operations on strings in python.

11. Explain about LAMBDA functions.

(OR)

12. Explain about Modules in Python.

13. Explain about Lists and its methods in python.

(OR)

14. Explain about dictionary and its methods in python.

15. Explain about inheritance in python.

(OR)

16. Explain about error and Exception Handling.

17. Explain about Univariate plots-histograms.

(OR)

18. Explain about data frames, making changes to series and data frames.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Sc. Hons [Comp]	Max Marks	: 60
Subject	: Mathematics	Pass Mark	: 24
Title of Paper	: Differential Equations and Problem Solving Sessions	Duration	: 3 Hrs
Paper Code	: R23MMAT203	Time	: 9am–12noon
W.E.F	: 2024-25	Date	: 16-05-2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Solve $(e^y + 1)\cos x\, dx + e^y \sin x\, dy = 0$.

2. Solve $(1 + y^2)dx = (\tan^{-1} y - x)dy$.

3. Find the orthogonal trajectories of the family of hypocycloids $x^{2/3} + y^{2/3} = a^{2/3}$, Where 'a' is the parameter.

4. Solve $x + yp^2 = (1 + xy)p$.

5. Solve $\dfrac{d^3y}{dx^3} + 6\dfrac{d^2y}{dx^2} + 11\dfrac{dy}{dx} + 6y = 0$.

6. Solve $(D^2 - 5D + 6)y = e^x$.

7. Solve $(D^2 - 2D)y = e^x \sin x$.

8. Solve $(x^2 D^2 - xD + 2)y = x \log x$.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Solve $(1 + xy)x\, dy + (1 - xy)y\, dx = 0$.

(OR)

10. Solve $\dfrac{dy}{dx}(x^2 y^3 + xy) = 1$.

11. Show that the family of confocal conics $\dfrac{x^2}{a^2 + \lambda} + \dfrac{y^2}{b^2 + \lambda} = 1$ is self orthogonal where λ is parameter.

(OR)

12. Solve $(py + x)(px - y) = 2p$.

13. Solve $(D^2 + 9)y = \cos^3 x$.

(OR)

14. Solve $(D^2 + 4)y = e^x + \sin 2x + \cos 2x$.

15. Solve $(D^2 - 2D + 5)y = e^{2x} \sin x$.

(OR)

16. Solve $(D^2 - 1)y = x^2 \sin 3x$.

17. Solve $(D^2 + a^2)y = \tan ax$ by the method of variation of parameters.

(OR)

18. Solve $[(1 + 2x)^2 D^2 - 6(1 + 2x)D + 16]y = 8(1 + 2x)^2$.

SECTION-A

I. Answer ALL the following Questions.   **5X10=50M**

1. How do you determine the wavelength of monochromatic light using Llyod mirror

(OR)

2. Describe about Michelson interferometer and explain how to determine wavelength.

3. Discuss various types of diffractions and distinguish between Fresnal and Fraunhoffer diffraction

(OR)

4. What are Fresnel's half period zones? Give the construction and working of zone plate.

5. Give the construction and working of Nicol Prism as polariser and analyser

(OR)

6. Define the terms Optical activity, Specific rotation and explain basic principle of LCDs

7. What is Achromatism explain achromatism for two lenses (i) in contact and (ii) separated by a distance

(OR)

8. Write a note on different types of fibers also explain rays and modes in an optical fiber

9. Define Spontaneous and stimulated emission and deduce Einstein coefficients

(OR)

10. Describe construction and working of Ruby laser, what are the applications of Laser.

SECTION-B

II. Answer any THREE of the following Questions.   **3X5=15M**

11. Write a short note on Interference in thin films
12. Resolving power of grating
13. State and Explain Malus law
14. Describe about the terms Coma, Astigmatism
15. What is basic principle of holography and write its applications

SECTION-C

III. Answer any TWO of the following Questions.   **2X5=10M**

16. In a Newton's ring experiment, the diameter of the 20th dark ring was found to be 5.82 mm and the 10th ring is 3.36mm. If the radius of the plano convex lens is 1m, calculate the wavelength of light used.

17. In a Fraunhofer diffraction at single slit of width d with incident light of wavelength $5500A^0$, the first minimum is observed at angle 30^0. Then find the the first secondary maximum is observed at an angle θ.

18. Determine the angle of refraction and polarization angle of the polarizer if the refractive index of the polarizer is 1.33.

19. Two plano-convex lenses of same material and of focal lengths f and 2f are coaxially separated by a suitable distance to minimize chromatic aberration. Then calculate equivalent focal length of the combination.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc (All)   Max Marks : 50
Subject   : Physics   Pass Mark : 20
Title of Paper : Solar Energy   Duration : 2 Hrs
Paper Code : R20SDC201   Time   : 9am – 11am
W.E.F   : 2021-22   Date   : 08-05-2025

SECTION-A

I. Answer any FOUR of the following Questions   4X5=20M

1. Write a short note on Solar pad

2. Explain the solar radiation at the Earth's surface

3. Mention any five importance of solar energy

4. Write a short note on Solar dryers

5. Write a short note on Solar Green house

6. Explain the principle of conversion of Solar radiation into heat

7. Write a short on Water pumping

8. Explain the principle of Solar Photovoltaic Cell

SECTION-B

II. Answer any THREE of the following Questions   3X10=30M

9. Explain the construction and working of a pyranometer

10. Explain the Construction and working of a Solar cooker

11. Explain the working of Solar Hot water system

12. Explain the series and parallel combination of Solar cells

13. Explain principle, construction and working of a Battery Charger

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Write the Conditions for interference of light?
2. Explain Zone plate?
3. State and explain Malus Law?
4. Write a short note on step index fibre?
5. Give the applications of Lasers?
6. In Newton's ring experiment, the diameter of 10th dark ring is 0.433cm. Find the wavelength of Incident Light, if the radius of curvature of the lens is 70cm?
7. There are 15000 lines per inch in a grating. What is the maximum number of orders? Obtained by using light of wavelength 6000 A^0?
8. Calculate the thickness of a mica sheet required for making a quarter wave plate λ =5460 A^0. The Indices of refraction for the ordinary and extraordinary rays in mica are **1.586** and **1.592**

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. How do you determine the wavelength of monochromatic light using Michelson Interferometer ?

(OR)

10. Give the procedure for determining the wavelength of the given monochromatic source of Light using Lloyd's mirror?

11. What are Fresnel's half period zones? Give the construction and working of zone plate?

(OR)

12. Determination of the wavelength of light using diffraction grating?

13. Give the construction and working of Nicol prism. Mention its uses?

(OR)

14. What is meant by polarized light? How is polarized light produced by reflection? What is Double reflection?

15. Explain the principle of fibre communication? What are the applications of optical fibre Communication?

(OR)

16. Explain Spherical aberration. How the spherical aberration eliminated when two lenses Separated by some distances?

17. Explain how a hologram is prepared an viewed. Give the applications of holography?

(OR)

18. Describe the construction and working of Ruby laser?

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Explain divergence of a vector field and give its physical significance.

2. Obtain an expression for the thrust on rocket.

3. Explain the working of gyroscope.

4. Show that a central force is conservative.

5. Explain time dilation.

6. Show that $\nabla \cdot (\nabla \times A) = 0$

7. A rocket of mass 40 kg has got a fuel of mass 360 kg inside it. The exhaust velocity of the fuel is 2km/s. The fuel burning at the rate of 4Kg/s. Find the final velocity of rocket.

8. If the radius of the earth around the sun is doubles, find the new time period.

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. State and prove Stoke's Theorem.

(OR)

10. What are line, surface and volume integrals? Explain.

11. Derive Rutherford scattering formula.

(OR)

12. Explain the principle of system of variable mass. Describe the motion of multi stage rocket.

13. What is precessional motion? Derive an expression for angular velocity of precession of a Spinning top.

(OR)

14. Define the three elastic modulii and derive the relation between them.

15. Define central force. Give examples. Obtain the equation of motion of a body under Central Force.

(OR)

16. State Kepler's laws of planetary motion. Prove First law of planetary motion.

17. State postulates of Special Theory of Relativity. Derive Lorentz transformation equations

(OR)

18. Describe Michelson-Morley experiment and explain the physical significance of the 'negative result'.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Sc Hons [Electronics]   Max Marks : 60
Subject : Electronics   Pass Mark : 24
Title of Paper : **Fundamentals of Electricity and Electronics**   Duration : 3 Hrs
Paper Code : R23ELE201/R23MELE203   Time : 9am – 12noon
W.E.F : 2024-25   Date : 16-05-2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. State and explain coulomb's law.

2. Discuss electric dipole and dipole moment.

3. Discuss about Mica and electrolytic capacitors and mention their uses.

4. Define the capacitance of a capacitor and state its unit.

5. Explain the principle of carey – foster Bridge.

6. Explain about the working of half wave rectifier.

7. Explain the regulated power supply using zener diode.

8. What are the applications of CE Mode.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. State and prove Guass theorem in electrostatics.

(OR)

10. Define electric potential and Derive and expression for potential due to a charged spherical shell.

11. Explain about different types of capacitors.

(OR)

12. Define capacitance of a capacitor obtain an expression for the capacitance of a parallel capacitor with dielectric.

13. State and explain Biot-Savart's law.

(OR)

14. Explain the construction of moving coil ballistic galvinometer derive an expression for charge following through it.

15. Explain about the V-1 characteristics P-N Junction diode.

(OR)

16. Explain briefly about bridge wave rectifier and derive an expression for efficiency of the rectifier.

17. Explain input and output characteristics of transistor in common base configuration.

(OR)

18. What are logic gates? Explain construction of basic logic gates using diode and transistor.

Class	: I B.Sc(MECS)	Max Marks	: 60
Subject	: Electronics	Pass Mark	: 24
Title of Paper	: Digital Electronics	Duration	: 3Hrs
Paper Code	: R20ELE201A	Time	: 9am – 12 noon
W.E.F	: 2022-23	Date	: 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Explain about binary addition and binary subtraction with examples
2. Explain about binary ,decimal number systems with examples.
3. Explain about universal logic gates
4. Explain about Don't care condition in in K-map
5. Define decoder. Explain about 3to8 line decoder with diagram and truth table
6. Explain about magnitude comparator
7. Explain the working of T-flip flop with truth table
8. Explain briefly about universal shift registers.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Explain about excess-3code & BCD to excess -3 code & excess -3code to BCD conversions.

(OR)

10. Explain about 1's 2's 9's and 10's complements with examples

11. Explain about AND,OR,NOT,XOR,X-NOR logic gates with their truth tables

(OR)

12. Explain NOR as an universal gate

13. Explain the working of Half-subtractor & Full-subtractor with their diagrams and truth tables

(OR)

14. Explain De -multiplexer ? Explain the working of 1 to 2 &1 to 4 De-multiplexer with diagrams

15. Explain the operation of J-K flip flop with neat circuit & timing diagram

(OR)

16. Explain the operation of Master slave flip flop with neat circuit & timing diagram

17. Define Registers. Explain the operation of Shift left & shift right registers with diagrams

(OR)

18. Explain the working of Asynchronous Mod-16 Counter with diagram

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc Hons [Ele]   Max Marks : 60
Subject   : Electronics   Pass Mark : 24
Title of Paper : **Circuit Theory and Electronic Devices**   Duration : 3 Hrs
Paper Code   : R23ELE202   Time : 9am to 12pm
W.E.F   : 2024-25   Date : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. What is alternating current? How it differ from Direct current.

2. What do you mean by node voltage method of analysis?

3. State and prove Mill – Mann's theorem.

4. Explain the working of integrator and differentiator with RL combination.

5. Distinguish between series and Parallel resonance.

6. Explain difference between BJT and FET.

7. Write a short note on L-section filter.

8. Write a short note on UJT as a relaxation oscillator.

SECTION-B

II. Answer the following Questions   5X8=40M

9. What is phasor? Explain phasor notation. Describe how phasors are used to represent Sinusoidal wave forms.

(OR)

10. Explain difference between AC and DC.

11. How do you convert star to delta and delta to star.

(OR)

12. State and prove Norton's theorem.

13. What is Filter? Explain the Frequency response of RC circuit.

(OR)

14. Define Resonance obtain an expression for the resonant frequency and Q-factor for a series resonance circuit.

15. Explain about CE configuration of BJT and its characteristics.

(OR)

16. Explain the working of MOSFET. Explain Depletion, Enhancement mode.

17. What is rectifier? Derive an expression for Bridge wave rectifier with neat circuit and wave forms.

(OR)

18. Explain about the characteristics of LED.

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Describe Heisenbergs Uncertainty Principle.

2. What is the concept of Inert pair effect.

3. Define Polarisation and Fajans Rules

4. Define Ionization Potential. Explain any two factors effecting Ionization potential.

5. Illustrate the Structure of XeF_4 by using VSEPR Theory.

6. Draw the MO diagram for O_2

7. Write a note on free electron theory.

8. Discuss about Lewis Theory.

SECTION-B

II. Answer any FIVE of the following Questions   5X8=40M

9. Write the postulates of Bohrs Atomic Theory.

(OR)

10. Define Electronegativity and Explain Pauling, Mulliken Scale to Measure E.N.

11. Discuss the factors favouring formation of Ionic Compounds.

(OR)

12. What is Lattice Energy? Describe the factors effecting lattice energy.

13. Explain the Hybridisation and Geometry of PCl_5 and SF_6

(OR)

14. Explain VESPR Theory

15. Explain Band Theory. Write a note on Conductors, Semiconductors and Insulators

(OR)

16. Define Hydrogen bond and explain the Inter and Intra Molecular Hydrogen bonding.

17. Explain Arrhenius Theory of Acids and Bases

(OR)

18. Write a note on Pearson's concept of HSAB.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc Hons [Chemistry]   Max Marks : 60
Subject   : Chemistry   Pass Mark : 24
Title of Paper : **Inorganic Chemistry**   Duration : 3 Hrs
Paper Code   : R23CHE202   Time   : 9am – 12noon
W.E.F   : 2024-25   Date   : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Explain the preparation & structure of Phosphonitrilic compounds.

2. Write a note on $(BN)_x$ Compounds

3. Write a note on structures of oxides.

4. Explain the stability of various oxidation states of 3d series

5. Write a note on comparison of lanthanides and actinides.

6. Explain Actinide contraction.

7. Write a note on Applications of radio activity.

8. Write a note on Binding energy.

SECTION-B

II. Answer any FIVE of the following Questions   **5X8=40M**

9. Explain Classification, Preparation & uses of Silicones.

(OR)

10. Write a note on Preparation & Structure of Diborane

11. Write about Preparation and Structures of Interhalogen Compounds

(OR)

12. Write a note on Classification of Oxides

13. Explain the d-block elements ability to form Complexes

(OR)

14. Explain the catalytic & magnetic properties of Lanthanides.

15. Explain Lanthanide contraction and its consequences.

(OR)

16. Write a note on colour and magnetic properties of Lanthanides.

17. Explain Binding energy, types of radio activity.

(OR)

18. Write a note on Nuclear Reactions.

SECTION-A

I. Answer any FOUR of the following Questions   **4X5=20M**

1. Define Food Adulteration.

2. Explain antioxidants with examples.

3. Write a note on sweetening agents in food.

4. Explain flavour enhancers and their harmful effects.

5. Write a note on adulteration in oils.

6. Explain the Duties & responsibilities of Food Authority of India.

7. Write a note on consumer education and consumer problem rights.

8. Explain Adulteration in condimnents.

SECTION-B

II. Answer any THREE of the following Questions   **3X10=30M**

9. Explain the types of Food Adulterations.

10. Write any two methods of detection of Adulterations inn food.

11. Explain the highlights of Food safety and Standards Act2006.

12. Write a note on Adulterants in Milk.

13. Write a note on Cheap substituents used in Food Adulteration.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc Hons [Microbiology]   Max Marks : 60
Subject   : Microbiology   Pass Mark : 24
Title of Paper : **Introduction to Microbiology**   Duration   : 3 Hrs
Paper Code : R23MB201   Time   : 9am - 12noon
W.E.F   : 2024-25   Date   : 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M
1. Germ Theory of Disease
2. Robert koch
3. Application of Microbiology
4. Miller experiment
5. General Characteristics of Archae
6. Nutrition of protozoa
7. Vegetative structure of Fungi
8. Simple staining of Bacteria

SECTION-B

II. Answer ALL the following Questions   5X8=40M
9. Write an essay on discovery of Pencilin .

(OR)

10. Write about discovery of microscope and microbial word by Antony van Leewen Hoek.

11. Write about Whittaker's five kingdom concept

(OR)

12. Write about the distinguishing features of Eukaryotic and prokaryotic cell .

13. Write an about general characters of bacteria

(OR)

14. General characters of Virus

15. Write about vegetative structure and modes of reproduction of Fungi

(OR)

16. Give an account on thallus organisation and reproduction of algae.

17. Write about composition of basic growth media.

(OR)

18. Write about concept of pure culture and Mixed culture

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Com Hons [DS]	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: **Descriptive Statistics**	Duration	: 3 Hrs
Paper Code	: R23DSSTAT201	Time	: 9am – 12 noon
W.E.F	: 2024-25	Date	: 13/05/2025

SECTION-A

I. Answer any <u>FIVE</u> of the following Questions   **5X4=20M**

1. Define Median and write down its merits and demerits.

2. Explain about Sheppard's Correction for moments.

3. Define Standard Deviation and Mean Deviation.

4. Explain Legender's principle of least squares.

5. Explain about Scatter Diagram.

6. Show that the Correlation coefficient is the Geometric Mean between two Regression Co efficients.

7. Define Class, ultimate class frequencies and order of class frequencies.

8. Define consistency of data.

SECTION-B

II. Answer the following Questions   **5X8=40M**

9. Calculate Arithmetic mean for the following data

Class interval	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
Frequency	12	18	27	20	17	6

(OR)

10. Explain the various methods of collecting Primary Data.

11. Derive the relation between Central moments in terms of Non – central moments and deduce the first four central moments.

(OR)

12. Calculate Quartile Deviation from the following data.

Marks	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70
No. of students	6	5	8	15	7	6	3

13. Fit a straight line to the following data

X	5	10	15	20	25
Y	16	19	23	26	30

(OR)

14. Calculate the Rank Correlation Coefficient between X and Y for the following data.

Sl.No.	1	2	3	4	5	6	7	8	9	10
Marks by Judge X	52	63	42	68	45	41	37	38	25	27
Marks by Judge Y	65	68	43	38	77	48	35	30	25	50

[P.T.O]

15. Derive the equation of regression line of Y on X.

66

(OR)

16. Obtain the two regression equations from the following data

X	1	2	3	4	5	6	7	8	9
Y	9	8	10	12	11	13	14	16	15

17. Define Independence of attributes and explain criteria of independence.

(OR)

18. Given the following ultimate class frequencies find the frequencies of positive class.

$(ABC) = 149$, $(AB\gamma) = 738$, $(A\beta C) = 225$, $(A\beta\gamma) = 1,196$, $(\alpha BC) = 204$

$(\alpha B\gamma) = 1762$, $(\alpha\beta C) = 171$ and $(\alpha\beta\gamma) = 21,842$

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Sc (MSCS, DS)   Max Marks : 75
Subject : Statistics   Pass Mark : 30
Title of Paper : Probability Theory And Distribution   Duration : 3 Hrs
Paper Code : R20STAT201/R20DSSTAT201   Time : 9am – 12noon
W.E.F : 2020-21   Date : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X5=25M

1. Define Axiomatic probability.

2. Define mutually exclusive events and its example.

3. Define probability mass function and probability density function.

4. Define marginal functions of X and Y.

5. State and prove addition theorem for 2 events.

6. Definition of binomial distribution and its mean and variance.

7. Define geometric mean and derive its mean.

8. Define rectangular distribution and its properties.

SECTION-B

II. Answer ALL the following Questions   5X10=50M

9. State and prove Baye's theorem.

(OR)

10. State and prove multiplication theorem for n events.

11. Define distribution function and state its properties.

(OR)

12. A random variable X has the following probability function.

X:	1	2	3	4	5	6	7
P(x):	K	2k	2k	3k	k^2	$2k^2$	$7k^{2+k}$

i) Find k.   ii) Evaluate $P(X < 6)$ and $P(0 < X < 5)$
iii) If $P(X \leq x) > 1/2$, find the minimum value of x.
iv) Determine the distribution function of X.

13. State and prove chebychev's inequality.

(OR)

14. Explain C.G.F along with it's properties.

15. Define Poisson distribution and derive it's mean and variance.

(OR)

16. Define hyper geometric distribution and derive it's mean and variance.

17. Define normal distribution and explain it's properties.

(OR)

18. Define exponential distribution and derive it's mean and variance.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Sc (MSCS/DS)   Max Marks : 60
Subject : Statistics   Pass Mark : 24
Title of Paper : Probability Theory And Distributions   Duration : 3 Hrs
Paper Code : R20STAT201A/R20DSSTAT201A   Time : 9am–12noon
W.E.F : 2022-23   Date : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Define Sample space and mutually exclusive events.

2. Define Axiomatic Probability.

3. Explain Random Variable.

4. Define Marginal functions of X & Y.

5. Define and explain Moment generating function.

6. Define Geometric Distribution and derive its mean.

7. Explain Negative Binomial Distribution.

8. Define Beta distribution of first and second kind.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. State and prove Boole's inequality.

(OR)

10. State and prove Bayes' theorem.

11. Define Distribution function and mention its properties.

(OR)

12. A random variable X has the following probability function

Values of X = x	-2	-1	0	1	2	3
p(x)	0.1	K	0.2	2k	0.3	K

(i) Find the value of k.
(ii) Calculate Mean and Variance and also determine the distribution function of X.

13. State and prove Addition theorem of Expectation.

(OR)

14. State and prove Chebyshev's inequality.

15. Define Binomial distribution and derive its M.G.F, Mean and Variance.

(OR)

16. Show that Poisson distribution as a limiting case of Binomial distribution.

17. Derive the M.G.F. of Normal distribution and hence find its Mean and Variance.

(OR)

18. Define Exponential distribution and derive its mean and variance.s

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Sc Hons [Stat/DS]

Subject   : Statistics

Title of Paper : **Random Variables and Mathematical Expectations**

Paper Code : R23STAT202/R23DSSTAT201

W.E.F   : 2024-25

Max Marks : 60

Pass Mark : 24

Duration   : 3 Hrs

Time   : 9am to 12pm

Date   : 14|05|2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Define and explain probability density function.

2. Explain Independence of Random variables.

3. State and prove Cauchy – Schwartz inequality.

4. State and prove multiplication theorem of expectations for two variables.

5. Define and explain Cumulant Generating Function.

6. Define Probability Generating Function.

7. State the Central Limit Theorem.

8. Define and explain the concept of Standard Error.

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. A random variable X has the following probability function

Values of X = x	0	1	2	3	4	5	6	7
P(X=x)	0	K	2k	2k	3k	K^2	$2k^2$	$7k^2+k$

   i) Find the value of k   ii) Evaluate $P(X < 6)$, $P(X \geq 6)$, $P (0 < X < 5)$

   iii) Determine the distribution function of X.

(OR)

10. If the function f(x) is defined by $f(x) = ce^{-ax}, 0 \leq x < \infty, a > 0$. Find the value of constant c.

11. A two – dimensional random variable (X,Y) have a bivariate distribution given by

   $P[X = x, Y = y] = \frac{x^2+y}{32}$ for x = 0,1,2,3 and y = 0,1. Find the marginal distributions of X and Y

(OR)

12. Explain joint, marginal probability density functions and conditional probability function for continuous random variable.

13. State and prove Chebyshev's inequality.

(OR)

14. Define Mathematical Expectation of a random variable. State and prove addition theorem of expectations for n random variables.

[P.T.O]

15. Define Moment generating function of a random variable. What is the effect of change of origin and scale on it.

(OR)

16. Define Characteristic function. State and prove any two properties of characteristic function.

17. Define and explain the concepts of Population, Sample, Statistic and Sampling Distribution.

(OR)

18. Define and explain Weak Law of large numbers and also explain its applications.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Sc Hons [Statistics]	Max Marks : 60
Subject : Statistics	Pass Mark : 24
Title of Paper : **Descriptive Statistics**	Duration : 3 Hrs
Paper Code : R23STAT201	Time : 9am – 12 noon
W.E.F : 2024-25	Date : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. What is the difference between Quantitative and Qualitative Data.

2. Define Nominal, Ordinal and Interval Scale.

3. Define and explain the concept of Mean.

4. Explain Geometric Mean and Harmonic Mean.

5. Explain Sheppard's Correction for moments.

6. Describe measures of dispersion and also write the characteristics of measures of dispersion.

7. Define Axiomatic Probability.

8. State and prove Multiplication theorem of probability for 2 events.

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Discuss the functions and importance of Statistics.

(OR)

10. Define Primary Data. Explain the various methods of Collecting Primary Data.

11. How do you represent the Data Graphically? Explain various methods of graphical representation of Data.

(OR)

12. Draw the Histogram and frequency polygon for the following data.

Age in Years	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
No. of persons	3	16	22	35	24	15	2

13. Calculate the Median wage of the following distribution.

Wages (in Rs.)	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70
No. of persons	3	5	20	10	5

(OR)

14. Explain first three measures of Central Tendency.

15. Calculate the S.D. for the following table giving the age distribution of 542 members

Age in Years	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80	80 – 90
No. of members	3	61	132	153	140	51	2

(OR)

16. Derive the relation between Central moments in terms of Non – Central moments.

17. State and prove Bayes' theorem.

(OR)

18. State and prove Addition theorem of probability for n events.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Sc Hons [AI]	Max Marks	: 60
Subject	: Statistics	Pass Mark	: 24
Title of Paper	: **Statistical Methods and Probability Distributions**	Duration	: 3 Hrs
Paper Code	: R23AISTAT201	Time	: 9am – 12noon
W.E.F	: 2024-25	Date	: 13/05/2025

SECTION-A

I. Answer any <u>FIVE</u> of the following Questions   **5X4=20M**

1. Explain the types of Corrleation.

2. Define Karl Pearson's correlation co efficient and also write down its properties.

3. Explain principle of Least squares.

4. Define Multiple linear regression.

5. Explain Negative Binomial Distribution.

6. Define Hyper Geometric Distribution.

7. Explain about Exponential Distribution.

8. Explain Stratified Random Sampling.

SECTION-B

II. Answer <u>ALL</u> the following Questions   **5X8=40M**

9. Calculate Karl Pearson's correlation coefficient between X and Y for the following data.

X	1	3	4	5	7	8	10
Y	2	6	8	10	14	16	20

(OR)

10. Calculate Spearman's Rank Correlation Coefficient between two judges X and Y for the following data.

Sl.No.	1	2	3	4	5	6	7	8	9	10
Marks by Judge X	52	63	42	68	45	41	37	38	25	27
Marks by Judge Y	65	68	43	38	77	48	35	30	25	50

11. Fit a straight line to the following data

X	5	10	15	20	25
Y	16	19	23	26	30

(OR)

12. Obtain the two regression equations from the following data

X	6	2	10	4	8
Y	9	11	5	8	7

13. Explain Binomial Distribution and also explain its characteristic properties.

(OR)

14. The no. of defects per unit in a sample of 330 units of manufactured product was found as follows.

[P.T.O]

No. of defects	0	1	2	3	4
No. of units	214	92	20	3	1

Fit a Poisson distribution to the above data.

15. If X is normally distributed with mean 12 and standard deviation 4.

Find (i) P(X > 20) (ii) P (X ≤ 20) (iii) P (0 ≤ X ≤ 12)

(OR)

16. Explain Beta Distribution along with their Characteristic properties.

17. Explain (i) Population (ii) Sampling Frame (iii) Sampling Distribution (iv) Standard Error

(OR)

18. What are the principal steps in a Sample Survey? Discuss them briefly.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Voc(SD)	Max Marks : 75
Subject	: Computer Science	Pass Mark : 30
Title of Paper	: Data Communication	Duration : 3Hrs
Paper Code	: R20WSDC201	Time : 9am – 12 noon
W.E.F	: 2023-24	Date : 16/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X5=25M**

1. Define Data Communication and its components

2. Explain different protocols and standards.

3. Explain about Analog Vs. Digital signals.

4. Explain about Composite signals and Band width.

5. Explain about Block coding.

6. Explain Delta Modulation.

7. Explain about TDM and FDM.

8. Explain three phases of Virtual Network.

SECTION-B

II. Answer ALL the following Questions   **5X10=50M**

9. Explain different types of Topologies.

(OR)

10. Explain about OSI Model.

11. Explain about Analog and Digital signals.

(OR)

12. Explain about Transmission impairment.

13. Explain about Line coding and its schemes.

(OR)

14. Explain about Transmission modes.

15. Explain Digital Analog conversion with neat diagram.

(OR)

16. Explain Analog to Analog conversion with neat diagram.

17. Explain different types of Guided media.

(OR)

18. Explain different types of Switching Techniques.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Voc(SD)   Max Marks : 75
Subject   : Computer Science   Pass Mark : 30
Title of Paper : Angular JS   Duration   : 3 Hrs
Paper Code   : R20WSAJS201/WSAJS201   Time   : 9am to 12pm
W.E.F   : 2023-24   Date   : 14/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X5=25M

1. Java script functions.

2. Explain conditional statement.

3. Explain working with arrays.

4. Angular JS filters.

5. Explain event handling.

6. Angular JS Forms.

7. The form element.

8. Explain Ng-Repeat element.

SECTION-B

II. Answer ALL the following Questions   5X10=50M

9. Explain about Java script operators.

(OR)

10. Explain primitive type in Java script.

11. Explain different types of loops in Java script.

(OR)

12. Explain about creating and modifying the objects.

13. Explain Angular JS Expressions.

(OR)

14. Explain about Angular JS Modules.

15. Explain about Built in Directives.

(OR)

16. Explain about Event Handling.

17. Explain about the input element and the text area element.

(OR)

18. Explain about validation Forms.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Voc Hons [SD]	Max Marks : 60
Subject : Computer Science	Pass Mark : 24
Title of Paper : **Front-End Web Development**	Duration : 3 Hrs
Paper Code : R23BV201	Time : 9 am – 12 noon
W.E.F : 2024-25	Date : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. What is a Hyperlink? Explain about hyperlinks in HTML.

2. What is a Tag in HTML? Explain the basic tags available in HTML.

3. Explain briefly about CSS structure with example.

4. What is a selector in CSS? Explain the classification of selectors in CSS.

5. Write a note on variables in javaScript.

6. Write a note on History of Bootstrap.

7. How to install Bootstrap in our web page.

8. Write a note on client-side validation in JavaScript.

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. Explain the structure of HTML code with an example.

(OR)

10. Explain briefly about text formatting tags in HTML.

11. Write a note on CSS box model with an example.

(OR)

12. Explain about styling an element in CSS using colour and font-size properties

13. Write a note on functions in JavaScript.

(OR)

14. What are the control statements in JavaScript.

15. Write a note on Bootstrap Grid system.

(OR)

16. Write a note on Bootstrap classes.

17. Write a note on JavaScript Event Handling.

(OR)

18. Explain form validation in JavaScript.

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. What is Data Base Management System.

2. What is the Difference between Data and Information.

3. Write about building blocks of Entity relationship diagram.

4. Write about the advantages of keys.

5. Explain various types of keys.

6. Explain about Commit and Rollback commands.

7. Explain about Sub-Queries.

8. Write the steps to create a PL/SQL program.

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. Explain the Components of Data Base Management System.

(OR)

10. Explain about Classification of DBMS.

11. What is entity? Explain different types of entities.

(OR)

12. What is EER model? Explain basic concepts of EER model.

13. Explain CODD Rules.

(OR)

14. Explain about Tuple Relational calculus and Domain Relational calculus.

15. Explain about joining database tables with examples.

(OR)

16. Explain about DML Commands.

17. Explain about Procedures in PL/SQL.

(OR)

18. Explain about conditional control statements in PL/SQL.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Voc (IT, WT)   Max Marks : 75
Subject   : Mathematics   Pass Mark : 30
Title of Paper : Discrete Mathematics - II   Duration   : 3 Hrs
Paper Code   : R20WSDM201/WSCMAT201/ITCMAT201/CBCMAT201A   Time : 9am- 12noon
W.E.F   : 2020-21   Date : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X5=25M**

1. If sum of three consecutive integers is 24. Find the integers

2. Solve the equations $2x - y + 3z = 9$, $x + y + z = 6$, $x - y + z = 2$

3. Find the domain of $\sqrt{x^2 - 3x + 2}$

4. Find the power set P(A) of A = {1,2,3,4}

5. If $\begin{vmatrix} 1 & 2 & K \\ 2 & K & 2 \\ 3 & 1 & 1 \end{vmatrix} = 0$ find the value of K

6. If U = (1, K, -3), V = (2, -5, 4) are orthogonal then find K

7. Define the term Lattice, Sublattice.

8. Describe the three Basic logic gates.

SECTION-B

II. Answer ALL the following Questions   **5X10=50M**

9. Prove that by mathematical induction for all integers n,
$$\frac{1}{1.3} + \frac{1}{3.5} + \frac{1}{5.7} + \ldots\ldots\ldots + \frac{1}{(2n-1)(2n+1)} = \frac{n}{2n+1}$$

(OR)

10. Prove that by mathematical induction for all integers n,
$$a + ar + ar^2 + \ldots\ldots\ldots + ar^{n-1} = \frac{a(r^n-1)}{r-1}, \quad r \neq 1$$

11. If f : A → B, g : B → C are bijection functions then prove that $(gof)^{-1} = f^{-1}og^{-1}$

(OR)

12. Find the inverse of   (i) $f(x) = ax + b$ (ii) $f(x) = 5^x$

13. Using crammer's rule solve the system of equations
$2x + y + z = 3$, $x + y + z = 1$, $x - 2y - 3z = 4$

(OR)

14. Show that $\begin{vmatrix} b+c & c+a & a+b \\ c+a & a+b & b+c \\ a+b & b+c & c+a \end{vmatrix} = 2\begin{vmatrix} a & b & c \\ b & c & a \\ c & a & b \end{vmatrix}$

[P.T.O]

15. Let 'L' be a bonded distribution lattice then prove that complements are unique if they exist

<div align="center">(OR)</div>

16. Let 'L' be a lattice then $a \wedge b = a \Leftrightarrow a \vee b = b$

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17. Verify that the preposition $p \vee \sim(p \wedge q)$ is a tautology.

<div align="center">(OR)</div>

18. Show that $(p \rightarrow q) \wedge (q \rightarrow r)$ implies $(p \rightarrow r)$ is a tautology.

c6

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Voc(WT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Data Communications	Duration	: 3Hrs
Paper Code	: R20WSDC201A	Time	: 9am–12 noon
W.E.F	: 2022-23	Date	: 16-05-2025

SECTION-A

I. Answer any FIVE of the following Questions   **5X4=20M**

1. Write about Layered Tasks in network models?

2. List different protocols and standards.

3. Write about Composite Signals and Bandwidth?

4. Write about Performance of Data and Signals?

5. Explain about Line coding?

6. Explain about Delta Modulation?

7. Explain about WDM?

8. Explain about Cir Switched Networks?

SECTION-B

II. Answer ALL the following Questions   **5X8=40M**

9. Explain about OSI Model.

(OR)

10. Write about Addressing in Networks?

11. Write about Periodic analog signal?

(OR)

12. Explain about Analog and Digital Signals?

13. Explain about Line coding and its schemes.

(OR)

14. Explain about pulse code modulation?

15. Explain Digital to Analog conversion with neat diagram?

(OR)

16. Explain Analog to Analog conversion with neat diagram?

17. Explain different types of Guided Media.

(OR)

18. Explain about Wireless Transmission Mediums.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I B.Voc(WT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: 'C' Programming	Duration	: 3Hrs
Paper Code	: R20WSCP201A	Time	: 9am – 12noon
W.E.F	: 2022-23	Date	: 15/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Explain Data types in C?

2. Write a simple algorithm for simple arthematic operator?

3. Explain difference between while and do while?

4. What is Recursion? Explain with example?

5. Write a program to swap two strings?

6. Explain about Enum data type?

7. What is pointer? How to declare Pointer?

8. Explain fopen( ), fclose( ) functions in files?

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Explain Structure of C

(OR)

10. Explain algorithm and Flowchart with example?

11. Explain difference between call by value and call by reference? With example?

(OR)

12. Explain different Looping Statements?

13. Write a different String Functions?

(OR)

14. Write a program for Addition of two matrices

15. Explain malloc( ), calloc( ) with example?

(OR)

16. Define Structure? Write a procedure to create Structure?

17. Write a program to create a file?

(OR)

18. Write an example program using fwrite( ), fread( )?

Room No: _____   Regd No: 82

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I B.Voc (WT)   Max Marks : 60
Subject   : Computer Science   Pass Mark : 24
Title of Paper : Angular JS   Duration : 3 Hrs
Paper Code   : R20WSAJS201A   Time   : 9am to 12pm
W.E.F   : 2022-23   Date   : 14/05/2025

SECTION-A

I. Answer any <u>FIVE</u> of the following Questions.   5X4=20M

1. Write about Java Script variables.

2. Write about strings in Java Script.

3. Explain about creating the objects.

4. Explain conditional statements in Java script.

5. Explain about Angular JS Expressions.

6. Exploit ng – bind directive.

7. Explain about ng Repeat directive.

8. Explain about Text Area element.

SECTION-B

II. Answer <u>ALL</u> the following Questions.   5X8=40M

9. Explain Java script functions.

(OR)

10. Explain about primitive types in Java script.

11. Explain about different types of loops in Java script.

(OR)

12. Explain Reading and Modifying the objects.

13. Explain Angular JS Modules.

(OR)

14. Explain Angular JS filters.

15. Explain about Buil in directives.

(OR)

16. Write about ng show and ng hide.

17. Explain about validation Forms.

(OR)

18. Write HTML code for creating Registration Form.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I B.Voc (WT,IT)
Subject : Mathematics
Title of Paper : Discrete Mathematics
Paper Code : R20WSDM201A
W.E.F : 2022-23

Max Marks : 60
Pass Mark : 24
Duration : 3 Hrs
Time : 9 am – 12 noon
Date : 13/05/2025

SECTION-A

I. Answer any FIVE of the following Questions   5X4=20M

1. Given $y = 5 + 3x - 2$ find the values of y corresponding to $x = -3, -2, -1, 0, 1, 2, 3$

2. Solve the equations $x + y + z = 6$, $x - y + z = 2$, $2x - y + 3z = 9$

3. If $f(x) = 2x - 1, g(x) = \frac{x+1}{2}$ then find $(gof)(x)$

4. Write the power set of A={ a,b,c,d }

5. If A= $\begin{pmatrix} 7 & -2 \\ -1 & 2 \\ 5 & 3 \end{pmatrix}$, B = $\begin{pmatrix} -2 & -1 \\ 4 & 2 \\ -1 & 0 \end{pmatrix}$ then find AB^T and $B A^T$

6. Find the adj of $\begin{pmatrix} 4 & 5 & 6 \\ 5 & 0 & 3 \\ 2 & 4 & 7 \end{pmatrix}$

7. Define distributive lattice

8. Find the truth table of $\sim(p \wedge \sim q)$

SECTION-B

II. Answer ALL the following Questions   5X8=40M

9. Prove by mathematical induction that for all integers 'n'

$$1^2 + 2^2 + 3^2 + \ldots + n^2 = \frac{n(n+1)(2n+1)}{6}$$

(OR)

10. Prove by mathematical induction that for all integers 'n'

$$\frac{1}{1.4} + \frac{1}{4.7} + \frac{1}{7.10} + \ldots + \frac{1}{(3n-2)(3n+1)} = \frac{1}{3n+1}$$

11. If f: A: $\rightarrow B$, $g : B \rightarrow C$ are two objections then prove that $gof : A \rightarrow C$ is also bijection

(OR)

12. Find the inverse of the function $h(x) = \frac{2x-3}{5x-7}$

13. Find the inverse of $\begin{pmatrix} 2 & 1 & 1 \\ 0 & 5 & -2 \\ 1 & -3 & 4 \end{pmatrix}$ by using row operations.

[P.T.O]

(OR)

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14. Show that
$$\begin{vmatrix} b+c & c+a & a+b \\ c+a & a+b & b+c \\ a+b & b+c & c+a \end{vmatrix} = 2 \begin{vmatrix} a & b & c \\ b & c & a \\ c & a & b \end{vmatrix}$$

15. Let L be a lattice then $a \wedge b = a \Leftrightarrow a \vee b = b$

(OR)

16. A lattice $(L, \leq)$ is distributive i.e., $a \vee (b \wedge c) = (a \vee b) \wedge (a \vee c) \;\; \forall a, b, c \in L.$

17. Define Boolean Algebra and duality in Boolean Algebra

Write the dual of $(1 + a) * (b + 0) = b$

(OR)

18. Show that $(p \to q) \wedge (q \to r) \to (p \to r)$

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

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UG II SEMESTER REGULAR/SUPPLEMENTARY EXAMINATIONS (R23 REGULATIONS):: MAY 2025

DATE	TIME	PHYSICS	MATHEMATICS	COMPUTERS	ELECTRONICS	STATISTICS	CHEMISTRY	DATA SCIENCE	MICROBIOLOGY	BIOTECHNOLOGY	ARTIFICIAL INTELLIGENCE/ MACHINE LEARNING	GENERAL (B.Com)	(B.Com)	COMPUTERS (B.Com)	B.C.A.	BBA	BUSINESS ANALYTICS	B.Voc	POLITICAL SCIENCE (B.A.)
07-05-2025	9.00 am to 11.00 am	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A	DIGITAL LITERACY R23SDP201A
08-05-2025	9.00 am to 11.00 am	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	MARKETING SKILLS R23SDPA202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202	BUSINESS WRITING R23SDPB202
10-05-2025	9.00 am to 12.00 noon	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201	A COURSE IN READING AND WRITING SKILLS R23ENG201
12-05-2025	9.00 am to 12.00 noon	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201	GENERAL TELUGU R23TEL201/ GENERAL HINDI R23HIN201
13-05-2025	9.00 am to 12.00 noon	----	----	----	----	----	----	----	----	----	STATISTICAL METHODS AND PROBABILITY DISTRIBUTIONS R23ASTAT201	FINANCIAL ACCOUNTING R23COM201	FINANCIAL ACCOUNTING R23COM201	FINANCIAL ACCOUNTING R23COM201	PROGRAMMING IN C R23BCA202	PRINCIPLES OF MANAGEMENT R23BBA201	PRINCIPLES OF MANAGEMENT R23BBA201	FRONT-END WEB DEVELOPMENT R23BVJ201	FUNDAMENTALS OF POLITICAL SCIENCE R23PS201
14-05-2025	9.00 am to 12.00 noon	----	----	----	CIRCUIT THEORY AND ELECTRONIC DEVICES R23ELP202	RANDOM VARIABLES AND MATHEMATICAL EXPECTATIONS R23STAT202	INORGANIC CHEMISTRY R23CHE202	RANDOM VARIABLES AND MATHEMATICAL EXPECTATIONS R23MSTAT203	BACTERIOLOGY AND VIROLOGY R23MB202	MICRO BIOLOGY AND CELL BIOLOGY R23BT202	PYTHON FOR DATA SCIENCE R23AICS202	BUSINESS MANAGEMENT R23COM202	INCOME TAX I R23COM202	PRINCIPLES OF HRM R23MGT203	DIGITAL LOGIC DESIGN R23BCA201	BUSINESS ECONOMICS R23BBA202	QUANTITATIVE METHODS FOR MANAGERS R23BBA202	DATABASE MANAGEMENT SYSTEM R23BV202	CONCEPTS AND IDEALOGIES OF POLITICAL SCIENCE R23PS202
15-05-2025	9.00 am to 12.00 noon	WAVES AND OSCILLATIONS R23PHY202	ANALYTICAL SOLID GEOMETRY R23MAT202	DIGITAL LOGIC DESIGN R23CSC202	DESCRIPTIVE STATISTICS R23STAT201	DESCRIPTIVE STATISTICS R23STAT201	DESCRIPTIVE STATISTICS R23DSTAT201	DESCRIPTIVE STATISTICS R23DSTAT201	INTRODUCTION TO MICROBIOLOGY R23MB201	BIOMOLECULES AND ANALYTICAL TECHNIQUES R23BT201	PROBLEM SOLVING IN C R23MCSC203	WEB DESIGNING R23MCSC203	WEB DESIGNING PROBLEM SOLVING IN C R23MCSC203	WEB DESIGNING R23MCSC203	WEB DESIGNING R23MCSC203	WEB DESIGNING R23MCSC203	WEB DESIGNING PROBLEM SOLVING IN C R23MCSC203		SOCIOLOGICAL ANALYSIS R23MSOC201
16-05-2025	9.00 am to 12.00 noon	MECHANICS AND PROPERTIES OF MATTER R23PHY201	DIFFERENTIAL EQUATIONS AND PROBLEM SOLVING SESSIONS R23MAT201	PROBLEM SOLVING IN C R23CSC201	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING IN C R23MCSC203	PROBLEM SOLVING IN C R23MCSC203	INTRODUCTION TO DATA SCIENCE AND R PROGRAMMING R23DSCSC202	GENERAL AND INORGANIC CHEMISTRY R23MCHE203	GENERAL AND INORGANIC CHEMISTRY R23MCHE203									
17-05-2025	9.00 am to 12.00 noon				DTP R240TP202	DTP R240TP202	DTP R240TP202	DTP R240TP202	DTP R240TP202	DTP R240TP202	DTP R240TP202			OFFICE TOOLS AND TALLY PRIME R240TP201	OFFICE TOOLS AND TALLY PRIME R240TP201		OFFICE TOOLS AND TALLY PRIME R240TP201	R PROGRAMMING R234TP202	

Controller of Examinations

Principal

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
(Sponsored by S.K.P.V.V. Hindu High Schools' Committee)

UG II SEMESTER SUPPLEMENTARY EXAMINATIONS (R20 REGULATIONS):: MAY 2025

DATE	TIME	MPC (B.Sc)	MPCS	MSCS	MECS	MCCS	CBZ	IoT	DATA SCIENCE	B.Voc	GEN (B.Com)	T.P	COMPUTERS	LOGISTICS	BBA	BCA
07-05-2025	9.00 am to 11.00 am	INFORMATION AND COMMUNICATION TECHNOLOGY R20USC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2020-21)	INFORMATION AND COMMUNICATION TECHNOLOGY R20LSC201 (2026-21)	INDIAN CULTURE AND SCIENCE R20LSC202 (2020-21)
08-05-2025	9.00 am to 11.00 am	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	SOLAR ENERGY R20SDC201 (2020-21)	*****	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)	AGRICULTURAL MARKETING R20SDC202B (2020-21)
09-05-2025	9.00 am to 11.00 am	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	FOOD ADULTERATION R20SDC202 (2020-21)	*****	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)	ADVERTISING R20SDC203B (2020-21)
10-05-2025	9.00 am to 12.00 noon	A COURSE IN READING & WRITING SKILLS R20ENG201 (2020-21)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	A COURSE IN READING & WRITING SKILLS R20ENG201 (2020-21)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20BENG201 A COURSE IN READING & WRITING SKILLS R20BENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)	R20ENG201 A COURSE IN READING & WRITING SKILLS R20ENG201A (2022-23)
12-05-2025	9.00 am to 12.00 noon	TELUGU/HINDI R20TEL201/ R20HIN201 (2020-21)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	TELUGU/HINDI R20TEL201/ R20HIN201 (2020-21)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	*****	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)	R20TEL201/ R20HIN201 TELUGU/HINDI R20TEL201A/ R20HIN201A (2022-23)
13-05-2025	9.00 am to 12.00 noon	SOLID GEOMETRY R20MAT201 (2020-21)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20MAT201 SOLID GEOMETRY R20MAT201A (2022-23)	R20BOT201 BASICS OF VASCULAR PLANTS AND PHYTO GEOGRAPHY R20BOT201A (2022-23)	DISCRETE MATHEMATICS R20IOTMAT201 (2020-21)	PROGRAMMING IN R R20DSRP201 R20DSRP201A (2022-23)	R20WSDM201 DISCRETE MATHEMATICS-II R20WSDM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20COM201 FINANCIAL ACCOUNTING R20COM201A (2022-23)	R20BBA201 ACCOUNTING FOR MANAGERS R20BBA201A (2022-23)	R20BGA201 OBJECT ORIENTED ANALYSIS & DESIGN DBMS R20BCA201A (2022-23)
14-05-2025	9.00 am to 12.00 noon	WAVE OPTICS R20PHY201 (2020-21)	WAVE OPTICS R20PHY201 R29PHY201A (2020-21)	PROBABILITY THEORY AND STATISTICS R20STAT201 R20STAT201A (2022-23)	DIGITAL ELECTRONICS R20ELE201 R20ELE201A (2022-23)	*****	BIOLOGY OF CHORDATES R20ZOO201 R20ZOO201A (2022-23)	ANALOG ELECTRONICS AND DATA ACQUISITION R20IOTEL201 (2020-21)	PROBABILITY THEORY AND DATA STATISTICS R20DSSTAT201 R20DSSTAT201A (2022-23)	ANGULAR JS R20WSAJS201 R20WSAJS201A (2022-23)	BUSINESS ECONOMICS R20COM202 R20COM202A (2022-23)	BUSINESS ECONOMICS R20COM202 R20COM202A (2022-23)	BUSINESS ECONOMICS R20COM202 R20COM202A (2022-23)	BUSINESS ECONOMICS R20COM202 R20COM202A (2022-23)	FUNDAMENTALS OF MARKETING R20BBA202 R20BBA202A (2022-23)	PYTHON PROGRAMMING R20BCA203 R20BCA203A (2022-23)
15-05-2025	9.00 am to 12.00 noon	*****	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	R20CSC201 PROGRAMMING WITH JAVA R20CSC201A (2022-23)	*****	DATA STRUCTURES R20IOTDS201 (2020-21)	R20DSDS201 DATA STRUCTURES R20DSDS201A (2022-23)	R20WSCP201 C PROGRAMMING R20WSCP203A (2022-23)	R20COM203 BANKING THEORY AND PRACTICE R20COM203A (2022-23)	R20COM203 INCOME TAX-II R20COMIT203A (2022-23)	R20COMCE203 E-COMMERCE & WEB DESIGNING R20COMCE203A (2022-23)	R20COML203 MARKETING AND SALES MANAGEMENT R20COML203A (2022-23)	R20BBA203 E-COMMERCE R20BBA203A (2022-23)	R20BCA202 DATA STRUCTURES R20BCA202A (2022-23)
16-05-2025	9.00 am to 12.00 noon	ORGANIC AND GENERAL CHEMISTRY R20CHE201 (2020-21)	*****	*****	*****	R20CHE201 ORGANIC AND GENERAL CHEMISTRY R20CHE201A (2022-23)	R20CHE201 ORGANIC AND GENERAL CHEMISTRY R20CHE201A (2022-23)	*****	*****	R20WSDC201 DATA COMMUNICATIONS R20WSDC201A (2022-23)	*****	*****	*****	*****	*****	*****

Controller of Examinations

Principal 24/4/25

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I Degree (All Groups)   Max Marks : 75
Subject   : Telugu   Pass Mark : 30
Title of Paper : General Telugu   Duration   : 3Hrs
Paper Code   : R20TEL201   Time   : 9am to 12pm
W.E.F   : 2021-22   Date   : 12/05/2025.

పార్ట్ - ఎ

I. ఈ క్రింది వానిలో ఏదింటికి సంక్షిప్త సమాధానాలను వ్రాయుము.   (5X5=25)

1. దువ్వూరి రామిరెడ్డి

2. ఆధునిక కవిత్వం ఆవిర్భావ వికాసాలు

3. కథానిక - లక్షణాలు

4. నవల వర్గీకరణ

5. అనిశెట్టి తన గీతం ఎటువంటిదని చెప్పారు

6. విమర్శ ప్రయోజనం

7. రెంటాల నాగేశ్వరరావు

8. తెలుగు నాటకము

పార్ట్ - బి

II. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయుము.   (5X10=50)

9. దువ్వూరి రామి రెడ్డి గారి కొండవీడు పాఠ్యాంశ సారాంశాన్ని వివరించండి.

(లేదా)

10. ఆధునిక కవిత్వ నేపథ్యాన్ని వివరించి దాని లక్షణాలు తెలపండి.

11. తెలుగు కథానిక పరిచయం చేసి తెలుగు కథానికా వికాసాన్ని విశదీకరించండి.

(లేదా)

12. సత్తెయ్యకు 'పావుల సత్తెయ్య' అనే పేరు ఎలా వచ్చింది.

13. నవల ఆవిర్భావ వికాసాలను తెలపండి.

(లేదా)

14. 'రథ చక్రాలు' నవల పై సమీక్షా వ్యాసం వ్రాయండి

15. తెలుగు సాహిత్య ప్రక్రియల్లో తెలుగు నాటక దశలను గూర్చి వర్ణించుము.

(లేదా)

16. యక్షగానం ఇతివృత్తాన్ని తెలపండి.

17. ఉత్తమ విమర్శకుని లక్షణాలు గూర్చి రాయండి.

(లేదా)

18. విమర్శ స్వరూప స్వభావాల గురించి ప్రాచ్య, పాశ్చాత్యుల అభిప్రాయాలు వివరించండి

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I Degree Hons [All Groups]   Max Marks : 60
Subject   : Telugu   Pass Mark : 24
Title of Paper : **General Telugu**   Duration   : 3 Hrs
Paper Code : R23TEL201   Time   : 9am to 12pm
W.E.F   : 2024-25   Date   : 12/05/2025

అ- విభాగము

I. ఈ క్రింది ఎనిమిది ప్రశ్నలలో ఏవైనా ఐదు ప్రశ్నలకు సమాధానములు వ్రాయాలి.   5X4=20M

1. భాష యొక్క ఆవశ్యకతను తెల్పండి.

2. 'వర్ణం' అనే పదాన్ని వివరించండి.

3. అనువాద ప్రమాణాలు తెల్పండి.

4. సంపాద కీయాలను గూర్చి వివరించండి.

5. యాంకరింగ్ నిర్వహణను తెల్పండి.

6. ఉపాధ్యాయునిగా ముని మాణిక్యం నరసింహారావు గారి అనుభవం తెల్పండి.

7. తెలుగు వెబ్ సైట్లను గూర్చి వ్రాయండి.

8. The daily life of the student is a life of studies and discipline. During the student days, One has to be very active and busy. If the student Neglects his studies he would fail in his examinations.

అ- విభాగము

II. ప్రతీ భాగం నుండి ఒక్కొక్క ప్రశ్నకు సమాధానము వ్రాయాలి.   5X8=40M

9. భాషను నిర్వచించి, భాష ప్రయోజనాలను తెల్పండి.

(OR)

10. భాషోత్పత్తి వాదాలను పరిచయం చేయండి.

11. అనువాదమును నిర్వచించి, అనువాద పద్ధతులను ఆవిష్కరించండి.

(OR)

12. అనువాద సమస్యలను పేర్కొని, వాటికి పరిష్కార మార్గాలను సూచించండి.

13. వార్తను నిర్వచించి, వార్తా లక్షణాలను విశదీకరించండి.

(OR)

14. రేడియో భాష ఎలా ఉండాలి? రేడియో రచనకు ఉండవలసిన ప్రాథమిక లక్షణాలు ఏవి.

15. వ్యాస భేదాలను వివరించండి.

(OR)

16. జంఘల శాస్త్రి స్వభాషను గూర్చి చెప్పిన అంశాలు ఏవి?

17. వికిపీడియా లక్ష్యాలు, మార్గదర్శకాలను తెల్పండి.

(OR)

18. సోషల్ మీడియా వలన సమాజానికి కలిగే ప్రయోజనాలను వివరించండి.

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class   : I Degree (All Groups)   Max Marks : 60
Subject   : Telugu   Pass Mark : 24
Title of Paper : General Telugu   Duration : 3 Hrs
Paper Code   : R20TEL201A   Time   : 9am to 12pm
W.E.F   : 2022-23   Date   : 12|05|2025

పార్ట్ – ఎ

1. ఈ క్రింది వానిలో ఐదింటికి సంక్షిప్త సమాధానములు వ్రాయండి?   5×4=20మా

   1. దువ్వూరి రామిరెడ్డి   2. స్వేదం ఖరీదులో శేషయ్య పాత్ర

   3. నవల నిర్వచనం   4. విమర్శ ఎలా ఏర్పడింది

   5. ఆధునిక కవిత్వం   6. కేతిగాడు పాత్ర

   7. కథానికలక్షణాలు

   8. కాశీపట్నం రాహిరాప్పు.

పార్ట్ – బి

II. ఈ క్రింది వానిలో అన్ని ప్రశ్నలకు సమాధానములు వ్రాయుము.   5×8=40మా

   1. కొండవీడు ద్వారా రెడ్డి రాజులు సాధించిన ఘనతను వివరించండి?

      (లేదా)

      మాతృసంగీతంలో దేశభక్తిని అలిశెట్టి ప్రభాకర్ వివరించిన విధానం వ్రాయండి?

   2. తెలుగు కథానిక ఆవిర్భావ వికాసాలను తెలుపండి?

      (లేదా)

      భయం కథానికలో సత్తెయ్య పాత్రను వివరించండి?

   3. రథచక్రాలు నవలలో సత్యానందం పాత్రను తెలుపండి?

      (లేదా)

      రథచక్రాలు నవలలో స్త్రీ పాత్రలను సోదాహరణంగా తెలుపండి?

   4. తెలుగు నాటక పరిణామాన్ని సోదాహరణంగా వివరించండి?

      (లేదా)

      యక్షగానం నాటికలో భట్టు పాత్రచిత్రణచేయండి?

   5. తెలుగు సాహిత్య విమర్శను పరిచయంచేసి ప్రయోజనాలు తెలుపండి?

      (లేదా)

      ఉత్తమ విమర్శకుడి లక్షణాలు తెలియజేయండి?

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class	: I Degree Hons [All Groups]	Max Marks	: 60
Subject	: Hindi	Pass Mark	: 24
Title of Paper	: **General Hindi**	Duration	: 3 Hrs
Paper Code	: R23HIN201	Time	: 9am to 12PM
W.E.F	: 2024-25	Date	: 12/05/2025

I. निम्न लिखित में से किन्हीं पाँच प्रश्नों का उत्तर दीजिए ।   **5X4=20M**

1. दोहा का पूर्ति कीजिए ।

जाति न पूछो .... रहन दो म्यान।।

2. किसी **एक** कवि का जीवन परिचय दीजिए ।

   a) रजनी तिलक

   b) कबीर

3. मातृभाषा कविता की विशेषताएँ लिखिए ?

4. अधिसूचन के बारे में लिखिए ?

5. अनुवाद किसे कहते हैं ?

6. व्याख्या कीजिए ।

मुखिया मुख सो चाहिए, खान पान को एक।

पाले पोसे सकल अंग, तुलसी सहित विवेक।।

7. व्याख्या कीजिए।

जो रहीम उत्तम प्रकृति का करि सकल कुसंग।

चन्दन विष व्याप्त नहीं , लपटे रहत भुजंग।।

8. व्याख्या कीजिए ।

उन्नत पूरी है तबहि अब घर उन्नति होय।

निज शरीर उन्नति किय , रहत मूढ़ सब होय।।

निज भाषा उन्नति बिना कबहुँ न हो है सोय।

लाख उपाय अनेक यों भले करो किन कोय।।

SECTION - B
(Essay questions)   **5X8=40M**

9. किसी एक कविता का सारांश लिखए ।

            1. भिक्षुक   2. मातृभाषा के प्रति

10. किसी एक निबंध पर प्रकाश डालिए ।

            1. विद्यार्थी और अनुशासन   2. विज्ञान वरदान या अभिशाप

11. किसी एक अंश पर टिप्पणी लिखिए ।

            1) परिपत्र किसे कहते है । उदाहरण लिखिए?

            2) अधिसूचना का प्रारूप तैयार कीजिए ।

                                                                    [P.T.O]

12. हिंदी में अनुवाद कीजिए ।

    1. Respect your teachers.

    2. What is your name?

    3. Peacock is beautiful bird.

    4. Rama killed Ravana.

(अथवा)

अंग्रेजी में अनुवाद कीजिए ।

5. वह जा रहा है ।

6. झूठ मत बोलो ।

7. यह क्या है ?

8. रमाकांत एक साहसी लड़का है ।

13. **निम्नलिखित अनुच्छेद का एक तिहाई में संक्षेपण कीजिए ।**

    बुद्ध और महावीर ने अपने जीवन से लोगों पर बड़ा प्रभाव डाला था । इन दोनों महानुभावों को जन्म राजवंश में हुआ था। वे चाहते तो दूसरों के समान अपना जीवन खुशी से काट सकते थे । लेकिन उन्होंने ऐसा नहीं किया । वे लोक कल्याण के इच्छुक थे । इसलिए उन्होंने साधु को जीवन स्वीकार किया । वे सदा सीधे – साधे ढंग से रहते थे । वे साक्षात दया की मूर्ति थे। इसी से उनके जीवन काल में और बाद को भी उनका महात्यम इतना बढ़ गया कि आज ये दोनों ईश्वर के सामान आदर पाते हैं । उनके अनुयायि भारत में ही नहीं विदेशों में भी फैले हुए हैं। क्या यह कम गर्व की बात है ? इन धर्मों के अनुयायियों ने सहिया - सेवा भी की है । भारत में अनेक भाषाओं में इनका साहित्य भरा पड़ा है ।

KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)
II – SEMESTER END EXAMINATIONS

Class : I Degree (All Groups)	Max Marks : 60
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W.E.F : 2022-23	Date : 12/05/2025

PART-A

I. निम्न लिखित प्रश्नों में से किन्ही पांच प्रश्नों का उत्तर दीजिये।   5X4=20M

1. "मै हार गई" कहानी के उद्देश्य पर प्रकाश डालिये ?

2. अधेड़ आदमी पात्र का चरित्र चित्रण कीजिये ?

3. "डा. राम कुमार वर्मा " लेखक का परिचय दीजिये ?

4. रामधारी सिंह दिनकर लेखक का परिचय दीजिये ?

5. संधि किसे कहते है ? वे कितने प्रकार के है ?

6. किन्ही चार प्रशासनिक शब्दों को हिन्दी में लिखिए ?

   1. Authorised   2. Declaration form   3. Enclosure   4. Grant

7. किन्ही चार प्रशासनिक शब्दों को अंग्रेजी में लिखिए ?

   1. राज्यपाल   2. आयुक्त   3. निदेशक   4. राजदूत

8. शेर पिंजड़े में बन्द रहने पर भी शेर ही कहलाता है ? सन्दर्भ सहित व्याख्या कीजिये ?

PART-B

II. निम्न लिखित प्रश्नोंका उत्तर कीजिये   5X8=40M

9. "बेईमानी" की परत"पाठ का सारांश लिखिए।

(अथवा)

10. "पृध्वी राज के आँखे " पाठ का सारांश लिखिए।

11. "भूख हड़ताल " कहानी का सारांश लिखिए ?

(अथवा)

12. "परमात्मा का कुत्ता " कहानी का सारांश लिखिए ?

13. "राम चन्द्र एण्ड कंपनी - विजयवाड़ा " के नाम पर आवश्यक पुस्तकें भेजने के एक लिखिए ?

(अथवा)

14. अपने छात्रावास जीवन का वर्णन करते हुए मित्र के नाम पत्र लिखिए?

15. निम्न लिखित आठ शब्दों का संधि विच्छेद करके नाम भी लिखिए ?

   1. महेन्द्र   2. गणेश   3. महर्षि   4. अत्यल्प
   5. स्वागत   6. नायक   7. पवन   8. नदीश

16. निम्न लिखित आठ शब्दों का समास विग्रहकर के नाम लिखिए ?

   1. प्रतिदिन   2. आजन्म   3. स्वर्ग प्राप्त   4. मरणासन्न
   5. चिड़ियामार   6. रेलयात्रा   7. मदमाता   8. देशभक्ति

SECTION-A
(Poetry)

I. Answer any THREE questions from the following in about 100-150 words each: 3X4=12

1. What is the philosophy of Ulysses about knowledge acquisition?
2. How does Ulysses inspire his friends and fellows?
3. Describe the season and the beauty as described by the poet.
4. What is the significance of closing lines and why does the poet repeat them?
5. What did the peasants say about the sufferings of the poet's mother?
6. Explain how the superstitious beliefs are demonstrated in the poem by Nissim Ezekiel.

(Prose)

II. Answer any THREE questions from the following in about 100-150 words each: 3X4=12

1. What are the conditions which forced the young man to attempt suicide?
2. Explain the significance of the title The Best Investment I Ever Made according to A.J. Cronin.
3. How does adolescence described in The Night Train at Deoli?
4. Describe what happened at the Deoli station on the author's return journey from Dehra after two months.
5. How does the Doctor describe the appearance and demeanor of Mr. John?
6. Describe the girl who sells baskets.

(Non-Detail)

III. Answer any TWO questions from the following in about 100-150 words each: 2X3=6M

1. How did Nightingale bring about a change in the hospital in Scutari?
2. What did Florence want to become? Why were her parents unhappy with her choice?
3. What did the Astrologer ask Guru Nayak to do?
4. What is the role of Fate and Chance in the story, An Astrologer's Day?

SECTION – B

IV. (a) Pick the correct form of words: 1/2X4=2M

 a) They are _____ married for 10 years now. (happy, happily)
 b) She is _____ worried about me. (deeply, dully)
 c) He gave us a _____ party on his birthday. (expensive, lavish, rich)
 d) _____ music thundered from my neighbouring house. (Loud, heavy)

b) Match the following words with their meanings: 6X1=6M

A	B
1. Samaritan	a) A medicine that prevents decomposing
2. Inevitable	b) A Person who is above a hundred years
3. Centenarian	c) A position for which no salary is paid
4. Antiseptic	d) One who is charitable or helpful
5. Honorary	e) One who loves books
6. Bibliophile	f) That which cannot be avoided

[P.T.O]

C) Fill in the blanks with the correct words given in the brackets: 1/2X4=2M

1. Jim won _____ money in a lottery. (big, huge)
2. I _____ you on the success of your project! (appreciate, congratulate)
3. He was _____ from school for his bad behaviour. (expelled, reject)
4. His childhood was _____ with happiness. (occupied, filled)

V. Define Skimming and Scanning.   1X5=5M

VI. Read the paragraph given below and answer the questions that follow: 5X1=5M

Gifts should be chosen with care. There is no simple formula to guide you while buying gifts. It is easy to choose a gift if you know the recipient well and are aware of his tastes and needs. Flowers are frequently given as gifts. They can convey a wide range of emotions and sentiments. Red roses symbolize love; white can stand for sympathy and support, yellow suggests friendship; violets beg the recipient not to forget the donor. Money can be a suitable gift in most circumstances. From the donor's point of view, it is convenient. Sometimes, however, the recipient may feel offended that you have not made any effort to find the right gift. He may also be unhappy about the amount of money that has been given. Further, money gets spent and there is no trace left of your generosity. Another gift that is greatly appreciated is a trip. Travel is a special gift because it offers new and thrilling experiences for the recipient. Memories will linger in the mind long after the trip is over. Gifts can be given on several occasions and not just on birthdays. Sometimes a gift can reduce the pain and anger of a quarrel or a break-up. An Austrian artist, Gustav Klimt, once wished to put an end to his affair with a lady. But how could he do so without hurting her? Klimt gifted her with an exceedingly beautiful fan. He painted the blank, inner side of the painting and wrote there "Better an ending with pain, than pain without end".

Questions
1. When is it easy to choose a gift?
2. What do flowers convey?
3. State two reasons why travel is a special gift.
4. What are the problems if money is gifted?
5. The author conveys that_____(Choose the best answer).
   i) We should not give gifts as a poor person is never satisfied.
   ii) We should be thoughtful while selecting gifts.
   iii) Any gift we give will be appreciated by the receiver.

(OR)

Read the following passage and make notes:
The major use of animation has always been for entertainment. However, there is growing use of instructional animation and educational animation to support explanation and learning. Animation is also celebrated as an art form (sometimes it receives government funding; this was especially common in Eastern Europe in the Communist era), and is showcased in manyfilm festivals worldwide.
The "classic" form of animation, the "animated cartoon" as developed in the early 1900s and refined by Ub Iwerks, Walt Disney and others, requires up to 24 distinct drawings for one second of animation. This technique is described in detail in the article "Traditional Animation". Because animation is very time-consuming and often very expensive to produce, the majority of animation for TV and movies comes from professional animation studios. However, the field of independent animation has existed at least since the 1910s (e.g.: the pioneering stop- motion animator Ladislas Starevich in the Russian Empire), with animation being produced by independent studios (and sometimes by a single person). Several independent animation producers have gone on to enter the professional animation industry, Bill Plympton is one of the most well-known independent animators today. Today, with the rise of inexpensive animation programs like Macromedia flash and free distribution channels such as Newgrounds and deviatART, being an independent animator

[Continued to Next Page]

and getting your work seen by (potentially) millions of people is much easier than it is used to be Limited animation is a way of increasing production and decreasing costs of animation by using "shortcuts" in the animation process. This method was pioneered by United Progressive Animators (UPA) and popularized by Hanna-Barbera, and adapted by Other studios as cartoons moved from movie theaters to television.

VII. Answer any one of the following: **1X5=5M**

A) Expand any one of the ideas

i) Slow and Steady wins the race

ii) Rome was not built in a day

B) Define the following terms :

i) Notices

ii) Agendas

iii) Minutes

VIII. Answer the following: **1X5=5M**

Write a C.V applying for the post of Assistant Professor in a reputed college/University.

(OR)

Write a letter to the Municipal Commissioner complaining over the poor drainage system in your town.

(OR)

You want to buy an Air conditioner. Write an email to the manager@sonovision.com.