



KLE SOCIETY'S

P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: Accounting for Everyone

Course Name: BCA

Course Code:228OEC012T

Semester: II

Duration: 2Hours 30 Minutes

Max Marks: 60

Question. No.	INSTRUCTIONS: (1) ANSWER ANY FOUR FULL QUESTIONS.		Marks	CO	BTL
UNIT-I					
1.	a)	What is book keeping?	2	1	2
	b)	What are the objectives of accounting?	5	1	3
	c)	Explain the functions of accounting?	8	1	3
OR					
2.	a)	What is accounting?	2	1	2
	b)	Write any five difference between Accounting and Accountancy?	5	1	3
	c)	Explain various users of accounting data?	8	1	3
UNIT-II					
3.	a)	What is personal account?	2	2	2
	b)	Classify the following into Personal, Real and Nominal accounts. a) Rahul's capital a/c b) Akhil's Drawings a/c c) Insurance premium a/c d) Cash a/c e) Commission a/c f) Land and Building a/c g) Dividend a/c h) Vijaya Bank a/c i) Vehicle a/c j) Carriage outward a/c	5	2	2
	c)	Journalise the following transactions and post them into respective ledger accounts in the books of Mr. Chand: 2022 April 1: Chand commenced business with: Cash Rs 1,00,000 Goods Rs 25,000 April 2: Deposited in the bank Rs 9,000 April 8: Bought goods from Raju & Co. Rs 17,000 April 12: Paid Raju & Co. by cheque Rs 6,000 April 19: Returned goods to Raju & Co. Rs 1,500 April 22: Received Commission Rs 700 April 25: Withdrew cash from office for personal use Rs 2,700 April 29: Deposit cash in bank Rs 10,000	8	2	3
OR					
4.	a)	What is nominal account?	2	2	2
	b)	Classify the following into Personal, Real and Nominal accounts: a) Prasad Capital A/c b) Drawings A/c c) Canara Bank A/c d) Furniture A/c e) Wages A/c f) Patents A/c g) Bank Interest paid A/c h) Buildings A/c i) Advertisement A/c j) Tata Co. A/c	5	2	3
			P.T.O		

	c)	Journalise the following transactions and post them into respective ledger accounts in the books of M/s Aadira: 2022 April 1st: Started business with Cash Rs 2,00,000 Bank Balance Rs 25,000 April 5th: Withdrawn cash for personal use Rs 5000 April 8th: Sold goods to National Traders Rs 25,000 April 12th: Deposited cash into Bank Rs 30,000 April 18th: Interest paid Rs 4,000 April 24th: Purchased goods from MrSundar on credit Rs 15,000 April 28th: Sold goods to Mr Sham Rs 20,000 April 30th: Deposited cash in bank Rs 15,000	8	2	3
UNIT-III					
	a)	What is purchase return book?	2	3	2
	b)	Enter the following transactions in the Purchases Book: 2022 April 1. Purchased from Mr Raj, Bijapur 12 Quintals of jawar at Rs. 100 per Quintal. April 10. Bought from Ram & Co. Shimoga 22 Quintals of small rice at Rs. 200 per Quintal. April 20. Purchased from Babu of Belgaum 12 Quintals of big rice at Rs. 300 per Quintal. April 29. Bought from Govind of Gulbarga, goods Rs. 10,000 at 20% Trade Discount. April 30. Purchased from M/s Patil of Hubli, 10 Quintals of jawar at Rs. 110 per Quintal.	5	3	3
5.	c)	Enter the following transactions in simple cash book for the month of January 2022 1.1.2022 Received from Mr.Arun. Rs 15,000 2.1.2022 Paid to Mr. Rao & Co. Rs 2,000 4.1.2022 Received from Cash sales Rs 8,000 5.1.2022 Paid to Mr Babu Rs 1,500 6.1.2022 Paid cash for purchase Rs 4,000 10.1.2022 Paid to Hari on account Rs 1,000 11.1.2022 Received from Mr Kumar Rs 2,000 12.1.2022 Paid for office stationary Rs 500 15.1.2022 Received from Anand& Co. Rs 4,000 20.1.2022 Sold furniture for cash Rs 3,500 25.1.2022 Paid salary Rs 500 26.1.2022 Paid Carriage Rs 150 28.1.2022 Sold goods Rs 3,000 31.1.2022 Paid to Krishna on account Rs 2,000	8	3	3
OR					
	a)	What is Journal Proper?	2	3	2
	b)	Enter the following transactions in the Sales Book : 2022 April 1. Sold to S. Shankar, Gadag 4 Quintals of small rice at Rs. 355 per Quintal. April 5. Sold to K. Kumar, Kumta 2 Quintals of jawar at Rs. 135 per Quintal. April 17. Sold to B. Babu of Bagalkot 2 Quintals of small rice at Rs. 400 per Quintal. April 24. Sold to M Madhu, Mysore 3 Quintals of jawar at Rs. 120 per Quintal. April 30. Sold to Murthy & Co Bangalore goods Rs. 12,000 at 10% Trade Discount.	5	3	3
6.			P.T.O		

	c)	Enter the following transactions in simple cash book for the month of May 2022 1.5.2022 Received from Mr.Ram. Rs 18,000 2.5.2022 Paid to Mr. Kumar & Co. Rs 3,000 4.5.2022 Received from Cash sales Rs 9,000 5.5.2022 Paid to Mr Rao Rs 2,500 6.5.2022 Paid cash for purchase Rs 3,000 10.5.2022 Paid to Sham on account Rs 2,000 11.5.2022 Received from Mr Kumar Rs 3,000 12.5.2022 Paid for office stationary Rs 600 15.5.2022 Received from Anand& Co. Rs 5,000 20.5.2022 Sold table for cash Rs 2,500 25.5.2022 Paid salary Rs 800 26.5.2022 Paid Carriage Rs 250 28.5.2022 Sold goods Rs 3,500 31.5.2022 Paid to Krishna on account Rs 3,000	8	3	3

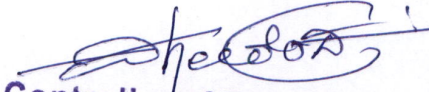
UNIT-IV

	a)	What is an Asset? Give example	2	4	2																																																
	b)	From the following particulars prepare a Trial Balance as on 31/3/2022 Sl.No Particulars Amount (Rs) 1. Building 200000 2. Bank Overdraft 100000 3. Capital 200000 4. Drawing 100000 5. Purchase 400000 6. Sales 460000 7. Wages 20000 8. Rent received 40000 9. Advertisement 70000 10. Carriage outwards 10000	5	4	3																																																
7.	c)	From the following balances of Mr. Sham as on 31/12/2021 prepare final accounts <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Particulars</th> <th>Amount(Rs)</th> <th>Particulars</th> <th>Amount(Rs)</th> </tr> </thead> <tbody> <tr> <td>Capital Account</td> <td>120000</td> <td>Rent and Taxes</td> <td>6000</td> </tr> <tr> <td>Drawings Account</td> <td>15000</td> <td>Stock on 1-i-2021</td> <td>90000</td> </tr> <tr> <td>Bills Receivable</td> <td>22000</td> <td>Salaries</td> <td>10500</td> </tr> <tr> <td>Machinery</td> <td>20000</td> <td>Travelling Expenses</td> <td>2000</td> </tr> <tr> <td>Debtors</td> <td>60000</td> <td>Insurance</td> <td>600</td> </tr> <tr> <td>Creditors</td> <td>58000</td> <td>Repairs</td> <td>3400</td> </tr> <tr> <td>Wages</td> <td>39000</td> <td>Bad Debts</td> <td>3500</td> </tr> <tr> <td>Purchases</td> <td>252000</td> <td>Furniture</td> <td>9000</td> </tr> <tr> <td>Sales</td> <td>355000</td> <td>Returns Inward</td> <td>5000</td> </tr> <tr> <td>Commission Received</td> <td>5500</td> <td>Returns Outward</td> <td>2000</td> </tr> <tr> <td>Cash at Bank</td> <td>2000</td> <td>Cash in Hand</td> <td>500</td> </tr> </tbody> </table> <p>Adjustments: a) Stock on hand on 31-12-2021 was Rs. 1,00,000 b) Wages and salaries are unpaid to the extent of Rs. 1,000 and Rs. 1,500 respectively</p>	Particulars	Amount(Rs)	Particulars	Amount(Rs)	Capital Account	120000	Rent and Taxes	6000	Drawings Account	15000	Stock on 1-i-2021	90000	Bills Receivable	22000	Salaries	10500	Machinery	20000	Travelling Expenses	2000	Debtors	60000	Insurance	600	Creditors	58000	Repairs	3400	Wages	39000	Bad Debts	3500	Purchases	252000	Furniture	9000	Sales	355000	Returns Inward	5000	Commission Received	5500	Returns Outward	2000	Cash at Bank	2000	Cash in Hand	500	8	4	3
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P.T.O

OR

8.	a)	What are Liabilities? Give example		2	4	2																																															
	b)	Draw a Trial Balance from the ledger balances extracted on 31/3/2022 Sl.No Particulars Amount (Rs) 1. Capital 22000 2. Purchase 24000 3. Opening Stock 3000 4. Sales return 600 5. Machinery 6000 6. Salaries 2400 7. Debtors 9000 8. Creditors 3000 9. Carriage inward 6000 10. Furniture 1000		5	4	3																																															
	c)	From the following balances of Mr. Kumar as on 31/12/2021 prepare final accounts <table border="1"><thead><tr><th>Particulars</th><th>Amount(Rs)</th><th>Particulars</th><th>Amount(Rs)</th></tr></thead><tbody><tr><td>Bad Debts</td><td>5250</td><td>Machinery</td><td>30000</td></tr><tr><td>Bills Receivable</td><td>33000</td><td>Purchases</td><td>378000</td></tr><tr><td>Capital Account</td><td>180000</td><td>Rent and Taxes</td><td>9000</td></tr><tr><td>Cash at Bank</td><td>3000</td><td>Repairs</td><td>5100</td></tr><tr><td>Cash in Hand</td><td>750</td><td>Returns Inward</td><td>7500</td></tr><tr><td>Commission Received</td><td>8250</td><td>Returns Outward</td><td>3000</td></tr><tr><td>Creditors</td><td>87000</td><td>Salaries</td><td>15750</td></tr><tr><td>Debtors</td><td>90000</td><td>Sales</td><td>532500</td></tr><tr><td>Drawings Account</td><td>22500</td><td>Stock on 1-1-2021</td><td>135000</td></tr><tr><td>Furniture</td><td>13500</td><td>Travelling Expenses</td><td>3000</td></tr><tr><td>Insurance</td><td>900</td><td>Wages</td><td>58500</td></tr></tbody></table> <p>Adjustments: a) Stock on hand on 31-12-2021 was Rs. 1,50,000 b) Wages and salaries are unpaid to the extent of Rs. 1,500 and Rs. 2,250 respectively</p>	Particulars	Amount(Rs)	Particulars	Amount(Rs)	Bad Debts	5250	Machinery	30000	Bills Receivable	33000	Purchases	378000	Capital Account	180000	Rent and Taxes	9000	Cash at Bank	3000	Repairs	5100	Cash in Hand	750	Returns Inward	7500	Commission Received	8250	Returns Outward	3000	Creditors	87000	Salaries	15750	Debtors	90000	Sales	532500	Drawings Account	22500	Stock on 1-1-2021	135000	Furniture	13500	Travelling Expenses	3000	Insurance	900	Wages	58500		8	4
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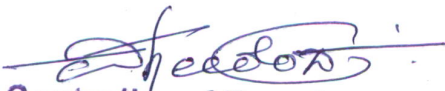
P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: Basic Electronic-I
Course Name: BCA
Course Code: 228OEC011T

Semester: II
Duration: 2Hours 30 Minutes
Max Marks: 50

Question. No.	INSTRUCTIONS: (1) ANSWER ANY FOUR FULL QUESTIONS.		Marks		
UNIT-I					
1.	a)	What is capacitor? State with symbol.	2		
	b)	Briefly explain CRO with waveforms.	5		
	c)	Explain any 4 measuring instruments.	8		
OR					
2.	a)	Define Resistance? Write the unit of the same.	2		
	b)	Define Ohms Law with neat diagram and obtain relation between Voltage, Current and resistance.	5		
	c)	Calculate current in the given circuit which is connected to 12, 14, 16 Ohms respectively in parallel connection. The power unit connected to circuit is 12 W.	8		
UNIT-II					
3.	a)	What is current? Write the unit of current.	2		
	b)	Explain DC with waveforms.	5		
	c)	Write the difference between AC and DC.	8		
OR					
4.	a)	What is voltage?	2		
	b)	Write a note on alternating current.	5		
	c)	Differentiate between current and Voltage.	8		
UNIT-III					
5.	a)	Define conductor and semiconductor.	2		
	b)	What is biasing? Explain forward and reverse biasing of diode.	5		
	c)	Explain VI characteristics of Junction diode with neat diagram.	8		
OR					
6.	a)	What is diode? Draw its circuit symbol.	2		
	b)	Write the applications of rectifier.	5		
	c)	Explain Full wave rectification with neat circuit diagram.	8		
UNIT-IV					
7.	a)	Define Operational amplifier.	2		
	b)	Differentiate between inverting and non-inverting op-amps.	5		
	c)	Explain non-inverting op-amp with neat circuit diagram.	8		
OR					
8.	a)	What do you mean by amplification?	2		
	b)	Obtain the expression for close looped gain in inverting operational amplifier.	5		
	c)	Explain inverting op-amp with neat circuit diagram.	8		


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P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: Database Management System

Semester: BCA-II

Course Name: BCA

Duration: 2Hours 30 Minutes

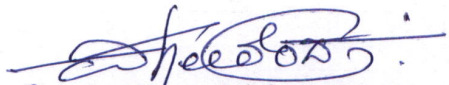
Course Code: 228DSC04T

Max Marks: 60

Question. No.	INSTRUCTIONS: (1) ANSWER ANY FOUR FULL QUESTIONS.		Marks		
UNIT-I					
1.	a)	Define attributes with example.	2		
	b)	With neat diagram explain 3 schema architecture.	5		
	c)	Explain the uses of following (a) DML (b) DCL (c) DDL (d) TCL	8		
OR					
2.	a)	What are the 2 major advantages of using relational database?	2		
	b)	Explain the actors on scene.	5		
	c)	List and explain DBMS Languages.	8		
UNIT-II					
3.	a)	Define (i) Relationship instance (ii) Composite Attribute	2		
	b)	What are constraints? Explain two types of relationship constraints.	5		
	c)	Consider the following tables: Employee(Emp_no, Name, Emp_city) Company (Emp_no, Company_name, Salary) i. Write a SQL query to display Employee name and company name. ii. Write a SQL query to display employee name, employee city, company name and salary of all the employees whose salary >10000. iii. Write a query to display all the employees working in "XYZ" Company.	8		
OR					
4.	a)	Define (i) Complex Attribute (ii) Key Attribute	2		
	b)	Write a note on views n SQL.	5		
	c)	Explain the types of Join operation with example.	8		
UNIT-III					
5.	a)	What is relational schema?	2		
	b)	Discuss the various constraints that can be violated while performing Insert operation.	5		
	c)	Briefly explain relational algebra operations from set theory.	8		
OR					
6.	a)	What is the difference between candidate key, primary key?	2		
	b)	Explain the unary relational operations: SELECT and PROJECT.	5		
	c)	Consider the following table : Table: CUSTOMER ----- Customer_Id Customer_Name Customer_City ----- C10100 Steve Agra C10111 Raghu Agra C10115 Chaitanya Noida C10117 Ajeet Delhi C10118 Carl Delhi Write query using relational algebra operations to Display all the details of customer from Agra Display customer name who are not from Delhi To fetch customer names and renaming the resulted relation to CUST_NAMES. To fetch only two columns of the table.	8		

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UNIT-IV					
7.	a)	What is the purpose of Normalization?	2		
	b)	Discuss the need for (i) Concurrency Control (ii) Recovery	5		
	c)	Discuss the various properties of Transaction.	8		
OR					
8.	a)	Mention the 4 design guidelines on relation.	2		
	b)	Explain Informal Design Guidelines.	5		
	c)	When does transaction goes into : (i) Active state (ii) Failed state (iii) Terminated state (iv) Committed state	8		


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P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: ENGLISH

Course Name: GLORIOUS ENGLISH - II

Course Code: 213ENG02T

Semester: II

Duration: 2 hours 30 Minutes

Max Marks: 60

Question. No.	INSTRUCTIONS: (1) ANSWER ANY FOUR FULL QUESTIONS.	Marks		
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UNIT-I

1.	a)	What is intelligence according to the author?	2		
	b)	Describe the scenario of the Town Hall Park.	5		
	c)	Bring out the irony in Rahim's life.	8		

OR

2.	a)	Who wrote the prose 'Sparrows' and Who was the official Zaildar?	2		
	b)	What is the world torn by according to Krishnamurthy?	5		
	c)	Describe the situation that made the astrologer run away from the village.	8		

UNIT-II

3.	a)	Name the two Greek Gods that the poet mentions in the poem The World Is Too Much With Us.	2		
	b)	"They only needed my blood's still breath, and I flooded them with love" Elucidate.	5		
	c)	Explain the fear of the unborn child.	8		

OR

4.	a)	Who wrote the poem Gandhi and what does it convey in the poem?	2		
	b)	"O fill me with strength against those who would freeze my humanity" Elucidate.	5		
	c)	Explain the significance of the line 'Little we see in Nature that is ours'	8		

UNIT-III

5.	a)	What is Skimming in Reading? Give an example	2		
	b)	Draft a cover letter for your Resume.	5		
	c)	Explain the various techniques used while reading.	8		

OR

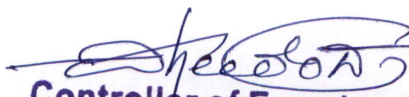
6.	a)	What is Resume and from which language it is derived?	2		
	b)	Explain the components of Para Writing.	5		
	c)	Explain the nature and Significance of Reading	8		

UNIT-IV

7.	a)	Interchange the following sentences from Exclamatory to Assertive/Assertive to Exclamatory: 1. How lovely the flowers are! 2. She tells her the story very cleverly.	2		
	b)	Interchange the following sentences from Interrogative to Assertive/Assertive to Interrogative: 1. Has he finished his work? 2. They will attend the party. 3. She works here. 4. Did she offend you? 5. She cannot speak English.	5		

P.T.O

	<p>c) Do as Directed:</p> <ol style="list-style-type: none"> 1 He was too weak to walk (remove Too) 2 Tree was too high to climb. (remove Too) 3 Everyone praised her beauty. They could hear me, _____? (add a suitable question tag) 4 She's a doctor, _____? (add a suitable question tag) 5 If the cart is not ready, we will go on foot (use Unless) 6 I will join you if I am not working on Sunday (use Unless) 7 We did not find the road bad. I have seen him yesterday (correct the sentence and rewrite) 8 Akbar was the greatest of the Moghul. We are playing tennis every day. (correct the sentence and rewrite) 	8		
OR				
	<p>a) Interchange the following sentences from Affirmative to Negative/Negative to Affirmative:</p> <ol style="list-style-type: none"> 1. They have bought few books. 2. She does not want a little water 	2		
	<p>b) Interchange the following sentences from Exclamatory to Assertive/Assertive to Exclamatory:</p> <ol style="list-style-type: none"> 1. Bravo! You spoke so well. 2. The weather is very fine. 3. What a beautiful rose it is! 4. It is sad that we have lost the battle. 5. How naughty you are! 	5		
8.	<p>c) Do as Directed :</p> <ol style="list-style-type: none"> 1. The sun can never set in the east (Change the assertive sentence to interrogative sentence) 2. Who does not like to earn a name and fame? (Change the interrogative sentence to an assertive sentence) 3. He is sleeping for two hours.(correct the sentence and rewrite) 4. She can't cope up with the problems. (correct the sentence and rewrite) 5. I am too blind to read this novel. (remove Too) 6. The news is too good to be true.(remove Too) 7. As soon as the bell rang, the girls ran away. (Use 'No sooner.....than') 8. If you hadn't suggested it, I wouldn't have phoned him. (use Unless) 	8		


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P.C. JABIN SCIENCE COLLEGE, HUBBALLI
AUTONOMOUS

BCA. II SEMESTER END EXAMINATION AUG/ SEPT– 2022

Course Name: ENVIRONMENT STUDIES
Course Code: 129-ENV-01T

Semester: II
Duration: 1Hours 30 Minutes
Max Marks: 30

Instructions to Candidates: Answer any 30 questions from the given 40 questions.

1. India is famous for its:
a) Poor diversity
b) Rich biodiversity
c) zero diversity
d) None of these
2. Lion tailed Macaque is found in
a) Western ghats
b) Eastern ghats
c) Caucasus
d) Western Himalayas
3. Passenger pigeon became extinct because of:
a) Hunting
b) Introduction of Exotic Species
c) Habitat loss
d) None of these
4. Which of the following is an extinct species?
a) Tiger
b) Dodo
c) Swamp deer
d) Leopard
5. Which one of the following is an “Indian Hot Spot”?
a) Deccan plateau
b) Thar Desert
c) Eastern Himalayas
d) None of these
6. Pollution is caused by:
a) Absence of waste management
b) Use of modern means of transportation
c) Use of Pesticide
d) All these
7. Environment pollution adversely affects :
a) Ecosystem
b) food chain
c) Human health
d) All these
8. PAN is a
a) Primary pollutant
b) Secondary pollutant
c) It is not a pollutant
d) None of these
9. DDT is apollutant:
a) Biodegradable
b) Non-biodegradable
c) Both (a) and (b)
d) None of these

P.T.O

10. Cholera, Amoebiasis dysentery viral hepatitis, typhoid are:
a) Water borne disease b) Air borne
c) Vector borne d) All the above
11. Contamination of air with pollutant is called as:
a) Air pollution b) Ecosystem pollution
c) Environment pollution d) None of these
12. Use of vehicles and burning of fossil fuels results in:
a) Acid rain b) Produce SMOG
c) Adversely affects the human health d) All these
13. Acid rain is caused by increase in the atmospheric concentration of:
a) Ozone and dust b) SO₂ and NO₂
c) SO₃ and CO d) CO₂ and CO
14. Sound becomes hazardous noise pollution atdecibels:
a) above 30 b) above 80
c) above 100 d) above 120
15. Sound pollution can.....
a) Destroy auditory nerves b) It can create headache, irritation, lack of sleep
c) It can create high blood pressure, d) All these
peptic ulcers, etc.
16. Mention the abiotic factors of Ecosystem.
a) Temperature b) Rainfall and Seasons
c) Ocean current d) All these factors
17. Environment, modified by Human activities is called :
a) Modern Environment b) Noosphere
c) Urban environment d) Anthropogenic environment
18. The layer of water on the surface of the Earth is called :
a) Hydrosphere b) Lithosphere
c) Atmosphere d) All these
19. All the external factors that affects the organism are :
a) Politics b) Culture
c) Environment d) None of these
20. The important sphere which absorbs the UV radiation is :
a) Ecosphere b) Ionosphere
c) Stratosphere d) Biosphere
21. The English word environment is originated from :
a) Latin b) Greek
c) French d) None of these

22. Environment study deals with:
a) Plants
b) Animals
c) Microbes
d) Natural world
23. The term ecology was coined by :
a) Misra
b) Earnest Haeckel
c) Tansley
d) Odum
24. Soil erosion or loss of Top soil is caused by :
a) Agriculture
b) Deforestation
c) Drought and flood
d) Both B & C
25. Environment study is helpful in :
a) Management of all Environmental assets Judiciously
b) In Management of all resources
c) In achieving sustainable development
d) For all these reasons
26. Which of the following is not true about deforestation?
a) Population explosion is one reason for deforestation
b) Clearing of forest for agriculture causes deforestation
c) Deforestation is taking place only in developing countries
d) Cash crop economy of third world is cause of deforestation
27. Planting of trees is called as :
a) Deforestation
b) Afforestation
c) Forestation
d) None of these
28. Extensive planting of trees help in :
a) Maintaining balance in ecosystem
b) Developing ecotourism
c) Eliminating pressure on natural forest
d) All these
29. Major main purpose of most of the dams around the world is :
a) Power generation
b) Irrigation
c) Drinking water supply
d) floods control
30. Soil Erosion can be prevented by :
a) Over grazing
b) Growing more plants
c) Making land slope
d) None of these
31. An ecosystem consist of :
a) Green plants & animals
b) producers and decomposers
c) Producers and Consumers
d) Green plants, animals, decomposers and abiotic environment

32. Biodiversity is the totality of :
a) Genes b) Species
c) Ecosystem d) All the above
33. Basmati rice is different from Sona masuri because :
a) Genetic diversity b) Species diversity
c) Alpha diversity d) None of these
34. Lion and Monkey are different in their appearance because :
a) Genetic b) Species diversity
c) Alpha diversity d) None of these
35. The term biodiversity has coined by :
a) E.P.Odum b) Walter G. Rosen
c) Robert brown d) A.G.Tansley
36. There arebiogeographical :
a) Six b) Eight
c) Ten d) None of the above
37. Fresh water available for our use is:
a) Less than 5% of total water resource
b) More than 10% of total water resource
c) Less than 1% of total water resource
38. Which of the following is a non-point source of water pollution?
a) Factories b) Sewage treatment plants
c) Urban and Sub urban lands d) All these
39. Soil pollution is generally caused by:
a) Industrial and agricultural waste b) Radioactive waste and acid rain
c) Medical waste d) all these
40. The cause of floods are.....
a) Blocking of free flow of rivers b) Melting of Snow
c) Distraction of Forest in upper catchment areas d) all these

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P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: HINDI
Course Name: BCA
Course Code: 214HIN02T

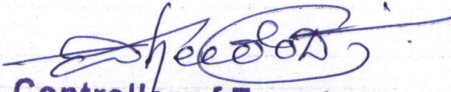
Semester: II
Duration: 2Hours 30 Minutes
Max Marks: 60

Question. No.	INSTRUCTIONS:	Marks		
	1. किन्हीं चार प्रश्नों के उत्तर दीजिए 2. काव्य कौमुदी 3. साहित्यिक विविध विधाएँ			
UNIT-I				
1.	a) आधुनिक काव्य कौमुदी के संपादक कौन हैं? और प्रकाशन का नाम लिखिए।	2		
	b) 'कैकेयी कौन थी? और क्यों अनुताप कर रही थी?	5		
	c) पठित कविता के अनुसार 'भारतवर्ष की गरिमा क्या है? स्पष्ट कीजिए।	8		
OR				
2.	a) मैं नहीं चाहता चिर सुख' के कवि कौन हैं? सुख-दुःख के बारे में क्या कहते हैं?	2		
	b) मैं नहीं चाहता चिर सुख' कविता का सारांश लिखिए।	5		
	c) भारतवर्ष' की गरिमा के बारे में लिखिए।	8		
UNIT-II				
3.	a) 'जीवन संदेश' के कवि कौन हैं? जीवन संदेश क्या है?	2		
	b) कवि रामनरेश त्रीपाठी के जीवन संदेश क्या है विवरण दीजिए।	5		
	c) मेरा नया बचपन' कविता का सारांश लिखिए।	8		
OR				
4.	a) मेरा नया बचपन' कविता के कवि कौन हैं? कवयित्री बार-बार किसे बुलाती है?	2		
	b) बचपन के बारे में कवयित्री के मन के विचारों को स्पष्ट कीजिए।	5		
	c) 'जनतंत्र का जन्म' कविता में लोकतंत्र व्यवस्था का परिचय दीजिए।	8		
UNIT-III				
5.	a) वरदान मांगूंगा नहीं' कविता के कवि कौन हैं? कवि क्या नहीं मांगना चाहता है?	2		
	b) 'प्रेत का बयान' कविता में भूख की पर्दाफाश है। विवरण दीजिए।	5		
	c) 'वर्ग चेतना का प्रतीक है 'मोचिराम' कविता स्पष्ट कीजिए।	8		
OR				
6.	a) 'धानों के गीत' में कवि किसे पुकारते हैं? और क्यों?	2		
	b) धानों के गीत' कविता का आशय स्पष्ट कीजिए।	5		
	c) 'प्रेत का बयान' कविता का सारांश लिखिए।	8		
UNIT-IV				
7.	a) साहित्यिक विविध विधाएँ लिखिए।	2		
	b) कविता का सामान्य अर्थ क्या है और कविता के प्रकार लिखिए।	5		
	c) कहानी का सामान्य परिचय देते हुए कहानी के प्रकार और तत्वों के बारे में लिखिए।	8		

P.T.O

OR

8.	a)	उपन्यास का अर्थ क्या है? उपन्यास को अंग्रेजी में क्या कहा जाता है?	2		
	b)	उपन्यास के तत्व और प्रकार के बारे में लिखिए।	5		
	c)	किन्हीं दो पर टीप्पणी लिखिए। i. नाटक ii. कहानी iii. निबंध	8		


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P.C. JABIN SCIENCE COLLEGE, HUBBALLI
AUTONOMOUS
BCA. SEMESTER END EXAMINATION AUG/ SEPT- 2022

Subject: KANNADA

Course Name: ಕನ್ನಡ ಭಾಷಾ ಪಠ್ಯ- ವರದಾ-2

Course Code: 211KAN02T-II-22

Semester: II

Duration: 2Hours 30 Minute

Max Marks: 60

Question. No.	INSTRUCTIONS: ಬೇಕಾದ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ಪೂರ್ಣ ಉತ್ತರ ಬರೆಯಿರಿ.	ಅಂಕಗಳು
ಘಟಕ - 1		
1.	ಅ ರಾಘವ ಆಯ್ಯಂಗಾರ್ಯರು ತಮ್ಮ ಅಹಂಕಾರ ಹೇಗೆ ಅತಿಯಾ ಎಂದರು?	2
	ಬ ಜ್ಞಾನಿಗುಣಗಳಾದ ಜ್ಞಾನದ ಇರುವು ಅಗಾಧವಾಗಿರುವುದನ್ನು ಬೆಳಗರೆ ಕೃಷ್ಣಶಾಸ್ತ್ರೀ ಅವರ ಲೇಖನ ಧ್ವನಿಸಿರುವುದನ್ನು ಚರ್ಚಿಸಿ.	5
	ಕ ಯಮಧರ್ಮರಾಜ ಮತ್ತು ಸಾಕವ್ಯನ ನಡುವಿನ ಸಂಭಾಷಣೆಯನ್ನು ಬರೆಯಿರಿ.	8
ಅಥವಾ		
2.	ಅ ಬೆಳಗರೆ ಕೃಷ್ಣಶಾಸ್ತ್ರೀ ಅವರ ಲೇಖನದ ಸದಾಶಯವೇನು ತಿಳಿಸಿ.	2
	ಬ ಪುಟ್ಟಗೌರಿಯ ಕಲಾಭಿವ್ಯಕ್ತಿಯು ಧ್ವನಿಸುವ ಲೀಲೆಯನ್ನು ಚಿತ್ರಿಸಿ.	5
	ಕ ದೇವನೂರಿನ ಕನ್ನಡ ಸಂಘದವರು ಮಾಡಿದ ಮಸಲತ್ತನ್ನು ಕುರಿತು ವಿಶ್ಲೇಷಿಸಿ.	8
ಘಟಕ - 2		
3.	ಅ ಕರ್ಗದ ವಿಶೇಷ ಗುಣಗಳಾವುವು?	2
	ಬ ವಚನ ಭಾಗ ಪೂರ್ಣಗೊಳಿಸಿ ಭಾವಾರ್ಥ ಬರೆಯಿರಿ. ಅಕ್ಕ ಕೇಳಿ, ನಾನೊಂದು ಕನಸು----- ----- ಚೆನ್ನ ಮಲ್ಲಿಕಾರ್ಜುನನ ಕಂಡು ಕಣ್ಣೆರೆದನು.	5
	ಕ ಶಾಂತಾ ಹುಬ್ಬಳ್ಳಿಕರ ಅವರ 'ನಾಳಿನ ಚಿಂತಾ' ಅತ್ಯ ಚಲತ್ರೆಯಿಂದ ಆಯ್ದು ಭಾಗವನ್ನು ಕುರಿತು ಚರ್ಚಿಸಿ.	8
ಅಥವಾ		
4.	ಅ ಶಾಂತಾ ಅವರು ಮನೆಯಿಂದ ಹೊರಜೀವನ ಕಾರಣವೇನು?	2
	ಬ ಡಿ.ವಿ. ಗುಂಡಪ್ಪನವರ ಪರಿಚಯ ಬರೆಯಿರಿ.	5
	ಕ ಆಧ್ಯಾತ್ಮ ರಸದಲ್ಲ ಮಿಂದು, ಹಗಲರುಳು ಚೆನ್ನ ಮಲ್ಲಿಕಾರ್ಜುನನಲ್ಲ ಒಂದಾಗಿರುವ ಭಾವ ಅಕ್ಕನ ವಚನಗಳಲ್ಲ ಹೇಗೆ ವ್ಯಕ್ತವಾಗಿದೆ ವಿವರಿಸಿ.	8
ಘಟಕ - 3		
5.	ಅ ಎ.ಎನ್. ಮೂರ್ತಿರಾವ್ ಅವರು ಜೀವನದ ನೈಜತೆಯನ್ನು ಹೇಗೆ ತಿಳಿಸಿರುವರು?	2
	ಬ ಪ್ರತಿಯೊಂದರಲ್ಲೂ ಸಕಾರಾತ್ಮಕ ಯೋಚನೆಗಳಿಂದ ಶಾಂತವಾಗಿ ಮಾಡಿದ ಪ್ರಾರ್ಥನೆಯ ಫಲದಂತೆ ಎಂಬುದು ಭಾರತಿ ಬಿ.ವಿ ಅವರ ಜೀವನ ಹೇಗೆ ಅಭಿವ್ಯಕ್ತವಾಗಿದೆ ಎಂಬುದನ್ನು ವಿಶ್ಲೇಷಿಸಿ.	5

P.T.O

	ಕ	ಕನಸು ಕಾಣುತ್ತಿದ್ದ ತಿರುಕನು ಏಕೆ ಹೆದಲ ಕಣ್ಣು ತೆರೆದನು ವಿವರಿಸಿ.	8

ಅಥವಾ

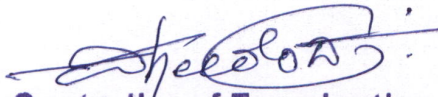
6.	ಅ	ಭಾರತಿ ಚ.ವಿ. ಅವರ ಜೀವನ ಹೇಗೆ ಶ್ಲಾಘನೀಯವಾಗಿದೆ ತಿಳಿಸಿ.	2
	ಬ	'ಲವ್ ಯು ಜಿಂದಲಿ' ಇದೊಂದು ಮನೋಧೈಯದ ಐವ್ಯದರ್ಶನ ತತ್ವವಾಗಿ ರೂಪಗೊಂಡಿರುವುದನ್ನು ಕುರಿತು ವಿವರಿಸಿ.	5
	ಕ	ಮುಷ್ಟಿನ ಷಡಕ್ಷಲಯವರ ಕವನದ ಸಾರಾಂಶವನ್ನು ಬರೆಯಿರಿ.	8

ಘಟಕ - 4

7.	ಅ	ಯು.ಆರ್. ಅನಂತ ಮೂರ್ತಿಯವರಿಗೆ ದೊರೆತ ಪ್ರಶಸ್ತಿಗಳಾವುವು?	2
	ಬ	ಅತಿವೃಷ್ಟಿ - ಅನಾವೃಷ್ಟಿಯ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.	5
	ಕ	ಮನುಷ್ಯನ ಜೀವನದ ಸರ್ವೋದಯದ ಏಕಾಸ ಹಾಗೂ ಜೀವನ ಸಮೃದ್ಧಿಯ ಪ್ರತೀಕವಾಗಿರುವುದನ್ನು 'ಧಾರವಾಡದಲ್ಲ ಮಳೆಗಾಲ' ಕವಿತೆ ದೃಶಿಸಿರುವುದನ್ನು ಕುರಿತು ಚಿತ್ರಿಸಿ.	8

ಅಥವಾ

8.	ಅ	ಚನ್ನವೀರ ಕಣವಿ ಅವರ ಕವನದಲ್ಲಿ ಕಾಲದ ಗತಿಯನ್ನು ಹೇಗೆ ತಿಳಿಸಿದ್ದಾರೆ.	2
	ಬ	ಪದ್ಯ ಭಾಗ ಪೂರ್ಣಗೊಳಿಸಿ ಭಾವಾರ್ಥ ಬರೆಯಿರಿ. ಕಷ್ಟಲಿನ ಕಣ್ಣವಳಿ ----- ಬಯಕೆ ಭಯ ಒಂದೆ? ಎರಡೆ?	5
	ಕ	'ಧಾರವಾಡದಲ್ಲ ಮಳೆಗಾಲ' ಕವನದಲ್ಲಿ ಮೂಡಿಬಂದ ಮಳೆ ಮತ್ತು ಮಣ್ಣಿನ ಗುಣಗಾನವನ್ನು ಕುರಿತು ಚರ್ಚಿಸಿ.	8


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P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: Operating System
Course Name: BCA
Course Code: 228DSC06T

Semester: II
Duration: 2Hours 30 Minutes
Max Marks: 60

Question No.	INSTRUCTIONS:	(1) ANSWER ANY FOUR FULL QUESTIONS.	Marks																			
UNIT-I																						
1.	a)	Mention the Operating System goals.	2																			
	b)	With a neat diagram, explain virtual machine in detail.	5																			
	c)	Discuss the essential properties of the following operating system. a) Batch b) Distributed	8																			
OR																						
2.	a)	Give two differences between symmetric and asymmetric multiprocessor OS.	2																			
	b)	Discuss the essential properties of the following operating system a) Time Sharing b) Real Time	5																			
	c)	In detail, explain the structure of the Operating System	8																			
UNIT-II																						
3.	a)	Write two differences between long term schedulers and short term schedulers.	2																			
	b)	Explain Process control block with a neat diagram	5																			
	c)	Explain Shortest Job First algorithm in detail and solve the below problem (Non-Preemptive SJF) <table border="1" style="margin: 10px auto;"><thead><tr><th>Process_id</th><th>Arrival Time</th><th>Burst Time</th></tr></thead><tbody><tr><td>P1</td><td>1</td><td>7</td></tr><tr><td>P2</td><td>2</td><td>5</td></tr><tr><td>P3</td><td>3</td><td>1</td></tr><tr><td>P4</td><td>4</td><td>2</td></tr><tr><td>P5</td><td>5</td><td>8</td></tr></tbody></table>	Process_id	Arrival Time	Burst Time	P1	1	7	P2	2	5	P3	3	1	P4	4	2	P5	5	8	8	
Process_id	Arrival Time	Burst Time																				
P1	1	7																				
P2	2	5																				
P3	3	1																				
P4	4	2																				
P5	5	8																				
OR																						
4.	a)	Define race condition	2																			
	b)	Consider the following example of a system, check whether the system is safe or not using bankers algorithm. Determine the sequence if it is safe?	5																			

P.T.O

Process	Allocation			Max			Available		
	A	B	C	A	B	C	A	B	C
P0	0	1	1	7	5	3	3	3	2
P1	2	0	0	3	2	2			
P2	3	0	2	9	0	2			
P3	2	1	1	2	2	2			
P4	0	0	2	4	3	3			

c) In detail, explain dining philosopher problem and readers/ writers problem.

8

UNIT-III

a) Write any two differences between paging and segmentation.

2

b) Elaborate on best fit, first fit and worst fit algorithm.

5

c) Solve the given problem using the following algorithm.

a) Optimal Page Replacement

b) LRU Page Replacement.

Given Reference string

7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1

8

OR

a) What is internal and external fragmentation.

2

b) Solve the given problem using the following algorithm.

a) FIFO Page Replacement

7,0,1,2,0,3,0,4,2,3,0,3,2,1,2,0,1,7,0,1

5

c) Explain the following:

a) Demand Paging.

b) Hierarchical Paging

8

UNIT-IV

a) What are the file attributes a file possesses?

2

b) Explain

a) Index Allocation Method

b) Linked-List Allocation

5

c) Solve the given problem where requests are on a disk queue using the following disk Scheduling algorithms.

a) SSTF Scheduling

b) SCAN Scheduling

Queue=98,183,37,122,14,124,65,67

Head starts at 53

8

OR

a) Define directory.

2

b) Solve the given problem where requests are on a disk queue using the following disk Scheduling algorithms.

a) C-SSTF Scheduling

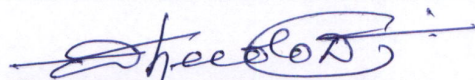
Queue=98,183,37,122,14,124,65,67

Head starts at 53

5

c) Explain in detail, Directory Structures.

8


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P. C. JABIN SCIENCE COLLEGE, HUBBALLI

BCA. SEMESTER END EXAMINATION AUGUST/ SEPTEMBER 2022

Subject: Programming in JAVA

Course Name: BCA

Course Code: 228DSCC05T

Semester: II

Duration: 2Hours 30 Minutes

Max Marks: 60

Question. No.	INSTRUCTIONS: (1) ANSWER ANY FOUR FULL QUESTIONS.		Marks		
UNIT-I					
1.	a)	What is type casting? List its types.	2		
	b)	Write a program to demonstrate One Dimensional Array.	5		
	c)	Explain the features of java.	8		
OR					
2.	a)	List the difference between while and do while loop.	2		
	b)	Explain history of Java.	5		
	c)	Explain Decision making statements in java.	8		
UNIT-II					
3.	a)	Define class and write its syntax.	2		
	b)	Write a program to demonstrate Method overloading.	5		
	c)	Define Inheritance and explain its types.	8		
OR					
4.	a)	What is the use of Automatic garbage collector?	2		
	b)	Write a program to demonstrate command line arguments.	5		
	c)	Explain the following keywords with examples i) final ii) this	8		
UNIT-III					
5.	a)	List the uses of interface.	2		
	b)	Explain java API packages.	5		
	c)	What is Exception handling? Write a program to demonstrate Multiple catch blocks.	8		
OR					
6.	a)	Write the use of finally block.	2		
	b)	Write a program to demonstrate Multiple inheritance using interfaces.	5		
	c)	Explain the steps for creating user defined package with example.	8		
UNIT-IV					
7.	a)	Mention the 2 ways of creating thread with its syntax.	2		
	b)	Illustrate the methods of collections interface.	5		
	c)	Explain the life cycle of thread with neat diagram.	8		
OR					
8.	a)	What is Multithreading?	2		
	b)	Write a java program to demonstrate Thread priority.	5		
	c)	Explain ArrayList class.	8		

Controller of Examination
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