

## KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)

(Sponsored by S.K.P.V.V. Hindu High Schools' Committee)

### UG I SEMESTER END SUPPLEMENTARY EXAMINATIONS (R23 REGULATIONS): DEC 2024

Group	16.12.2024	17.12.2024	18.12.2024	19.12.2024	20.12.2024	21.12.2024	23.12.2024
	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm
B.Com. Honours General	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101.	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Commerce R23COM101	Business Organization R23COM102
B.Com. Honours TP	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Commerce R23COM101	Business Organization R23COM102
B.Com. Honours Computers	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Commerce R23COM101	Business Organization R23COM102
B.C.A. Honours	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Commerce R23COM101	Business Organization R23COM102
B.B.A. Honours General	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Commerce R23COM101	Business Organization R23COM102
B.B.A. Honours Analytics	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Commerce R23COM101	Business Organization R23COM102

  
Controller of Examinations

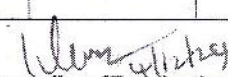
  
Principal


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	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm
B.Sc. Honours Physics	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Mathematics	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Computers	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Electronics	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Statistics	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Chemistry	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Data Science	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.Sc. Honours Microbiology	Communication Skills R23SDP102	Entrepreneurship R23SDPA101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Introduction to Classical Biology R23BM101	Introduction to Applied Biology R23BM102
B.Sc. Honours Biotechnology	Communication Skills R23SDP102	Entrepreneurship R23SDPA101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Introduction to Classical Biology R23BM101	Introduction to Applied Biology R23BM102
B.Sc. Honours Artificial Intelligence	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Essential and Application of Mathematical, Physical and Chemical Sciences R23BSC101	Advances in Mathematical, Physical and Chemical Sciences R23BSC102
B.A. Honours	Communication Skills R23SDP102	Entrepreneurship R23SDPA101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	General Telugu R23TEL101 General Hindi R23HIN101	Fundamentals of Social Sciences R23PS101	Perspectives on Indian Society R23PS102
B.Voc. Honours	Communication Skills R23SDP102	Entrepreneurship R23SDPA101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101	***	Introduction to C-Programming R23BV101	Fundamentals of Computer Science R23BV102

  
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	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm
<b>B.Com. Honours General</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Fundamentals of Commerce R23COM101	Business Organization R23COM102
<b>B.Com. Honours TP</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Fundamentals of Commerce R23COM101	Business Organization R23COM102
<b>B.Com. Honours Computers</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Fundamentals of Commerce R23COM101	Business Organization R23COM102
<b>B.C.A. Honours</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	UI with HTML & CSS R23BCA101	Business Organization R23COM102
<b>B.B.A. Honours General</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Fundamentals of Commerce R23COM101	Business Organization R23COM102
<b>B.B.A. Honours Analytics</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Fundamentals of Commerce R23COM101	Business Organization R23COM102

*[Signature]*  
Controller of Examinations

*[Signature]*  
Principal

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	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm
<b>B.Sc. Honours Computers</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Essentials, Advances and Applications of Mathematical and Computer Sciences R23BSC101A	Essentials, Advances and Applications of Physical and Chemical Sciences R23BSC102A
<b>B.Sc. Honours Electronics</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Essentials, Advances and Applications of Mathematical and Computer Sciences R23BSC101A	Essentials, Advances and Applications of Physical and Chemical Sciences R23BSC102A
<b>B.Sc. Honours Statistics</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Essentials, Advances and Applications of Mathematical and Computer Sciences R23BSC101A	Essentials, Advances and Applications of Physical and Chemical Sciences R23BSC102A
<b>B.Sc. Honours Chemistry</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Essentials, Advances and Applications of Mathematical and Computer Sciences R23BSC101A	Essentials, Advances and Applications of Physical and Chemical Sciences R23BSC102A
<b>B.Sc. Honours Data Science</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Essentials, Advances and Applications of Mathematical and Computer Sciences R23BSC101A	Essentials, Advances and Applications of Physical and Chemical Sciences R23BSC102A
<b>B.Sc. Honours Biotechnology</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Introduction to Classical Biology R23BM101	Introduction to Applied Biology R23BM102
<b>B.Sc. Honours Artificial Intelligence</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101/ Analytical Skills R23SDPB101	Principles of Psychology R23MDP101	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Essentials, Advances and Applications of Mathematical and Computer Sciences R23BSC101A	Essentials, Advances and Applications of Physical and Chemical Sciences R23BSC102A
<b>B.A. Honours</b>	Communication Skills R23SDP102	Entrepreneurship R23SDPA101	Principles of Psychology R23MDP101/ Principles of Chemical Sciences R23MDP102	A Course in Communication and Soft Skills R23ENG101A	General Telugu R23TEL101 General Hindi R23HIN101A	Fundamentals of Social Sciences R23PS101A	Perspectives on Indian Society R23PS102A

*Neelam J. Jeyaraj*  
Controller of Examinations

*G. Venkatesh*  
Principal

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## UG I SEMESTER END SUPPLEMENTARY EXAMINATIONS (R20 REGULATIONS):: DEC 2024

Group	16.12.2024	17.12.2024	19.12.2024	20.12.2024	21.12.2024	23.12.2024	26.12.2024	27.12.2024
	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 4 pm	2.00 pm to 5 pm	2.00 pm to 5 pm	2.00 pm to 5 pm		2.00 pm to 5 pm
B.Sc. MPC	COMPUTER APPLICATIONS R20LSC101	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101	TELUUGU/HINDI R20TEL101/ R20HIN101	DIFFERENTIAL EQUATIONS R20MAT101	MECHANICS, WAVES & OSCILLATIONS R20PHY101	***	INORGANIC AND PHYSICAL CHEMISTRY R20CHE101
B.Sc. MPCs	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101 R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20MAT101 DIFFERENTIAL EQUATIONS R20MAT101A	R20PHY101 MECHANICS, WAVES & OSCILLATIONS R20PHY101A	R20CSC101 PROGRAMMING WITH C R20CSC101A	***
B.Sc. MSCS	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101 R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20MAT101 DIFFERENTIAL EQUATIONS R20MAT101A	R20STAT101 DESCRIPTIVE STATISTICS R20STAT101A	R20CSC101 PROGRAMMING WITH C R20CSC101A	***
B.Sc. MECS	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101 R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20MAT101 DIFFERENTIAL EQUATIONS R20MAT101A	R20ELE101 CIRCUIT THEORY AND ELECTRONIC DEVICES R20ELE101A	R20CSC101 PROGRAMMING WITH C R20CSC101A	***
B.Sc. MECS	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101 R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20MAT101 DIFFERENTIAL EQUATIONS R20MAT101A	***	R20CSC101 PROGRAMMING WITH C R20CSC101A	R20CHE101 INORGANIC AND PHYSICAL CHEMISTRY R20CHE101A
B.Sc. CBZ	COMPUTER APPLICATIONS R20LSC101	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101 R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20BOT101 FUNDAMENTALS OF MICROBES AND NON VARALAR PLANTS R20BOT101A	R20ZOO101 BIOLOGY OF NONCHORDATES R20ZOO101A	***	R20CHE101 INORGANIC AND PHYSICAL CHEMISTRY R20CHE101A
B.Sc. DS	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	ELECTRICAL APPLIANCES R20SDC101	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20DSMAT101 MATHS FOR DATA SCIENCE R20DSMAT101A	R20DSSTAT101 DESCRIPTIVE STATISTICS R20DSSTAT101A	R20CSC101 PROGRAMMING WITH C R20CSC101A	***
B.Sc. IoT	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	ELECTRICAL APPLIANCES R20SDC101	COMMUNICATION AND SOFTSKILLS R20ENG101 R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	NUMERICAL ANALYSIS R20IOTMAT101	BASIC ELECTRICITY & DEVICES R20IOTELE101	PROGRAMMING WITH C R20CSC101	***
B.Voc.	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	***	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	***	R20WSDM101 DISCRETE MATHEMATICS R20WSDM101A	R20WSHC101 HTML & CSS R20WSHC101A	R20WSWSC101 COMPUTER FUNDAMENTALS & MS-OFFICE R20WSWSC101A	R20WSCD101 COMPUTER ORGANISATION R20WSCD101A
B.Com. General	COMPUTER APPLICATIONS R20LSC101	INSURANCE PROMOTION R20SDC102B	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20COM101 FUNDAMENTALS OF ACCOUNTING R20COM101A	R20COM102 BUSINESS ORGANISATION AND MANAGEMENT R20COM102A	R20COM103 BUSINESS ENVIRONMENT R20COM103A	***
B.Com. TP	COMPUTER APPLICATIONS R20LSC101	INSURANCE PROMOTION R20SDC102B	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20COM101 FUNDAMENTALS OF ACCOUNTING R20COM101A	R20COM102 BUSINESS ORGANISATION AND MANAGEMENT R20COM102A	R20COM103 INCOME TAX-I R20COM103A	***
B.Com. Computers	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	INSURANCE PROMOTION R20SDC102B	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20COM101 FUNDAMENTALS OF ACCOUNTING R20COM101A	R20COM102 BUSINESS ORGANISATION AND MANAGEMENT R20COM102A	R20COM103 INFORMATION TECHNOLOGY R20COM103A	***
B.Com. Logistics	COMPUTER APPLICATIONS R20LSC101	INSURANCE PROMOTION R20SDC102B	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20COM101 FUNDAMENTALS OF ACCOUNTING R20COM101A	R20COM102 BUSINESS ORGANISATION AND MANAGEMENT R20COM102A	R20COM103 ECONOMIES OF TRANSPORT R20COM103A	***
B.B.A.	COMPUTER APPLICATIONS R20LSC101	INSURANCE PROMOTION R20SDC102B	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20BBA101 PRINCIPLES OF MANAGEMENT R20BBA101A	R20BBA102 MANAGERIAL ECONOMICS R20BBA102A	R20BBA103 QUANTITATIVE METHODS FOR MANAGERS R20BBA103A	***
B.C.A.	HUMAN VALUES AND PROFESSIONAL ETHICS R20LSC102	INSURANCE PROMOTION R20SDC102B	R20ENG101 COMMUNICATION AND SOFTSKILLS R20ENG101A	R20TEL101/ R20HIN101 TELUUGU/HINDI R20TEL101A/ R20HIN101A	R20CMAT101 NUMERICAL AND STATISTICAL METHODS R20CMAT101A	R20BCA101 COMPUTER FUNDAMENTALS & OFFICE TOOLS R20BCA101A	R20BCA102 PROGRAMMING WITH C R20BCA102A	***

Controller of Examinations

Principal

Room No: \_\_\_\_\_

Regd No: \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I Degree (All Groups)  
Subject : Telugu  
Title of Paper : General Telugu  
Paper Code : R23TEL101  
W.E.F : 2023-24

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2 pm - 5 pm  
Date : 20-12-2024

అ - విభాగము

I. క్రింది 8 ప్రశ్నలలో ఏవైనా 5 ప్రశ్నలకు సమాధానం రాయాలి 5 x 4 = 20మా

1) క్రింది వానిలో ఒక దానికి సందర్భసహిత వ్యాఖ్యలు వ్రాయండి.

1. వార్తయందు జగము వర్తిల్లు చున్నది.

2. సత్యవాక్యమునకు జావు లేదు.

2) క్రింది వానిలో నాలుగు పదాలకు సంధి పేరు మాత్రమే తెలపండి.

1. రాజాన్వయము      2. అభ్యంతరము      3. పెంపడరు      4. అగుదురుగావున

5. ఇల్లుసేరి      6. ఆముదపు దీపము      7. తుత్తునియలు      8. క్రొంజీకటి.

3) క్రింది వానిలో నాలుగు పదాలకు సమాసము పేరు మాత్రమే తెలపండి.

1. ఆయుర్వేదము      2. మూడవ భాగము      3. ధనధాన్యములు      4. అసాధ్యము

5. క్షుదానలము      6. స్వీయవృత్తాంతము      7. గగనగంగ      8. అరవింధభవుడు

4) క్రింది పద్యంలో ఒకదానికి అలంకారాన్ని తెలిపి లక్ష్యలక్షణ సమన్వయం చేయండి.

ముక్కు మొగమున్న చీకటి ముద్దవోలే

విహరణము సేయసాగె గబ్బిల ముకండు

దాని పక్షానిలంబున వాని చిన్న

యాముదపు దీప మల్లన నాటి వోయె.

(లేదా)

క్రింది పద్య పాదమును గురులఘు నిర్దేశ పూర్వకముగా గణవిభజన చేసి, యతిప్రాసలు గురించి

ఏ పద్య పాదమో వివరించండి.

కడు జనువాడు నై పురుషకార్యు దక్షుడు నైన మంత్రి పెం

5) జాషువా గబ్బిలానికి చెప్పిన హితోక్తులను తెలపండి.

6) అలరాస పుట్టిల్లులో ఆకృమ్మ పాత్ర.

7) అసమర్థుని జీవయాత్రలో సీతారామారావు వంశ విశేషాలు.

8) మానవల్లి వ్యక్తిత్వాన్ని రామచంద్ర వర్ణించిన విధం.

ఆంధ్ర విభాగము

II. ప్రతిభాగం నుండి ఒక్కొక్క ప్రశ్నకు జవాబు వ్రాయండి.

5 x 8 = 40మా

- 9) క్రింది పద్యానికి ప్రతిపదార్థం, భావం మాత్రమే రాయండి.  
 బహుధనధాన్యసంగ్రహము బాణశరాసనయోధవీరసం  
 గ్రహము నిరంతరాంతరుదకంబుల ఘోసరసేంద్రనౌఘసం  
 గ్రహము ననేకయంత్రములఁ గల్గి యసాధ్యము లై ద్విషద్యయా  
 వహం లగుచుండ నొప్పునె భవత్పరిరక్త్యము లైనదుర్గముల్.

(లేదా)

ముప్పు ఘటించి వీని గలిమిన్ గబళించి దేహమున్  
 బిప్పి యొనర్చు నీ భరత వీరుని పాదము కందుకుండగా  
 జెప్పులు గుట్టి జీవనము సేయును గాని నిరాకరింప లే  
 దెప్పుడు నప్పు వడ్డది సుమీ భరతావని వీని సేవకున్

- 10) నారదుడు ధర్మరాజునకు చెప్పిన రాజనీతిని సంగ్రహంగా తెలపండి.

(లేదా)

గబ్బిలం అర్థహృదయాన్ని జాషువా ఏవిధంగా ప్రశంసించాడు?

- 11) 'అలరాస పుట్టిళ్లు' కథాంశాన్ని తెలపండి.

(లేదా)

నత్యవతి వృత్తాంతాన్ని వివరించండి?

- 12) సీతారామారావు జీవయాత్రను వర్ణించండి.

(లేదా)

సీతారామారావు భార్య సంసారాన్ని నెట్టుకొచ్చిన తీరు.

- 13) వేటూరి ప్రభాకరశాస్త్రి జీవిత విశేషాలను వివరించండి.

(లేదా)

నిడదవోలు వారి ఖండ కావ్యాల గురించి వివరించండి.

Room No: \_\_\_\_\_ Regd No \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - 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 : R20TEL101

Time : 2pm - 5pm

W.E.F : 2022-23

Date : 20-12-2024

**పార్ట్ - ఎ**

I. ఈ క్రింది పద్యాలలో 'ఒకదానికి ప్రతిపదార్థ తాత్పర్యములు వ్రాయుము.

1X9=9మా

అ. కడుజనువాడునై పురుషకారియు దక్షుడునైన మంత్రి పెం

పడరగ రాజపుత్రుల మహాధనవంతుల జేసి వారితో

నొడబడి పక్ష మేర్పడగ నుండడుగా, ధనమెట్టివారికిం

గడుకొని చేయకుండునె జగన్నుత గర్వము దుర్విమోహమున్

ఆ. ఎవ్వనిచే జనించు జగ మెవ్వనిలోపల నుండు లీనమై

యెవ్వని యందు డిందు; బరమేశ్వరు డెవ్వడు మూలకారణం

టెవ్వడనాదిమధ్యలయు; డెవ్వడు సర్వము దాన యైనవా

డెవ్వడు వాని నాత్మభవు నీశ్వరునే శరణంబు వేడెదన్

II. ఈ క్రింది వానిలో నాల్గింటికి సందర్భసహిత వ్యాఖ్యలు వ్రాయుము

4X3=12 మా

1. ఘనముగా ననురక్తులై జగద్ధిత బుద్ధిన్

2. వార్తయందు జగము వర్తిల్లుచున్నది

3. పురుషార్థమునకు హాని పుట్టకయున్నే

4. శుభము లొదవు నాపదలడగున్

5. విశ్వము నిప్పుడ సంహరించెదన్

6. కలడు కలండ నేడువాడు కలడో లేడో

7. భయం బేట్లో కదే యీశ్వరా

8. సిద్ధంబీమాట వేద సిద్ధాంతముగాన్

III. ఈ క్రింది వానిలో ఏవైనా నాల్గింటికి లఘు రూప సమాధానములు వ్రాయుము

4X3=12 మా

1. ఉద్యోగులపట్ల రాజు వ్యవహరించవలసిన తీరుని తెలపండి?

2. రాజులు చేయ కూడని దోషాలు తెలపండి ?

3. విష్ణు వెన్నంటి వస్తున్న లక్ష్మీదేవి స్థితిని తెలపండి .

4. రాజు ఒక పనిని చెప్పినప్పుడు ఆ పనిని ఎలా చేయాలో తెలపండి?

5. దక్షుని కోసం వెదుకుచూ ప్రమథనాథులు చేసిన పనులేవి?



6. తనను నిందించిన సీతను రావణుడు ఛేదిరించిన విధమెట్టిది .

7. గజరాజు ప్రాణరక్షణకై విష్ణుమూర్తిని వేడిన విధము?

8. త్రిజట తన స్వప్నాన్ని గురించి తోటి కావలికత్తెలతో ఏమని చెప్పింది.

IV. ఈ క్రింది వానిలో ఏవైనా మూడింటికి వ్యాసరూప సమాధానము వ్రాయుము

3X8=24 మా

1. శ్రీ మహావిష్ణువు గజేంద్రుని రక్షించిన విధమును తెలుపుము?
2. ధౌమ్యుడు పాండవులకు చేసిన ధర్మోపదేశాన్ని వివరించండి?
3. రాజనీతి పాఠ్యభాగ సారాంశమును వివరించండి
4. దక్షయజ్ఞం ఆధారంగా నన్నెచోడుని కవితా వైభవాన్ని తెలపండి?
5. సీతారావణ సంవాదమును వివరించండి?

పార్ట్ - బి

V. అ) ఈ క్రింది వానిలో మూడింటికి సంధి విడదీసి సంధి పేరు తెలిపి సూత్రం' రాయండి.

3X2=6 మా

- |            |            |                  |
|------------|------------|------------------|
| 1.మహీశులు  | 2.రాజాన్వయ | 3.శత్రైకవృద్ధి   |
| 4.రాముడతడు | 5.ఎచ్చోట   | 6. తల్లిదండ్రులు |

ఆ) ఈ క్రింది వానిలో రెండింటికి విగ్రహ వాక్యం, సమాసనామం రాయండి.

2X2=4 మా

- |                |              |
|----------------|--------------|
| 1.ఆయుర్వేదము   | 2. వైరిబలము: |
| 3.మానావమానములు | 4.అహీనము.    |

ఇ) ఈ క్రింది అలంకారములో ఒకదానికి ఉదాహరణలో లక్ష్యలక్షణ సమన్వయం' చేయండి

1X4=4 మా

- |                 |               |
|-----------------|---------------|
| 1.అంత్యానుప్రాస | 2.ఉపమాలంకారము |
|-----------------|---------------|

(లేదా)

ఈ) క్రింది ఉదాహరణము నందలి అలంకారమును గుర్తించి లక్ష్యలక్షణ సమన్వయం' చేయండి

అడిగెదనని కడువడి; జను,

నడిగిన దను మగుడ నుడువ(డని నడ యుడుగున్.

ఈ) ఈ క్రింది పద్యపాదమును గణ విభజన చేసి యతి ప్రాసలు గుర్తించి, లక్షణము వ్రాయుము

1X4=4 మా

1. హరి మర్ధింతుమొ బ్రహ్మబట్టుదుమొ యింద్రాద్యష్ట దిక్పాలురన్

(లేదా)

ఈ) క్రింది 'చందస్సులో ఒకదానికి ఉదాహరణలో లక్ష్యలక్షణ సమన్వయం' చేయండి

1X4=4 మా

2. ఉత్పలమాల 3. ద్విపద

Room No: \_\_\_\_\_

Regd No \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I DEGREE(All Groups)

Max Marks : 60

Subject : Telugu

Pass Mark : 24

Title of Paper : General Telugu

Duration : 3Hrs

Paper Code : R20TEL101A

Time : 2 pm - 5 pm

W.E.F : 2022-23

Date : 20-12-2024

**పార్ట్ - ఎ****I. ఈ క్రింది పద్యాలలో 'ఒకదానికీ' ప్రతిపదార్థ తాత్పర్యములు వ్రాయుము****1X9=9మా**

అ. ఉత్తమమధ్యమాధమనియోగ్యత బుద్ధి నెఱింగి వారి న

యుత్తమమధ్యమాధమనియోగములన్ నియమించితే

నరేం ధ్యత్యకోటికి సమానముగాఁ దగు జీవితంబు లా

యత్తము సేసి యితై దయ నయ్యయి కాలము దప్పకుండఁగన్.

**(OR)**

ఆ. సిరికిం జెప్పఁడు; శంఖ చక్ర యుగముం జేదోయి సంధింపఁ; డే

పరివారంబునుఁ జీరఁ డభ్రగపతిం బన్నింపఁ డాకర్ణికాం

తర ధమ్మిల్లముఁ జక్క నొత్తఁడు; వివాద ప్రోత్థిత శ్రీ కుచో

పరిచేలాంచలమైన వీడఁడు గజప్రాణావనోత్సాహియై.

**II. ఈ క్రింది వానిలో 'మూడింటికి' సందర్భసహిత వ్యాఖ్యలు వ్రాయుము****3X3=9 మా**

1) ఋణములితై యుత్తమ బుద్ధిన్

2) వార్త యందు జగము వర్తిల్లుచున్నది

3) నన్ను బంపు దక్షు బట్టి తెచ్చెదన్

4) ఉపదేశం బవశ్య కర్తవ్యంబు

5) రాముడేరితి లంకకు రాగలండు

6) కలడు కలండు నేడువాడు కలడో లేడో

**III. ఈ క్రింది వానిలో ఏవైనా 'రెండింటికి లఘు రూప సమాధానాలు' వ్రాయుము****2X4=8 మా**

1) ఉద్యోగుల పట్ల రాజు వ్యవహరించవలసిన తీర్పును తెలపండి .

2) దక్షుని కోసం వెదకుచూ ప్రమ ధనాధులు చేసిన పనులేవి .

3) ధౌమ్యుడు పాండవులకు ధర్మోపదేశము ఎందుకు చేశాడు.

4) త్రిజట తన స్వప్నాన్ని గురించి తోటి కాపలికత్తెలలో ఏమని చెప్పింది?

**IV. ఈ క్రింది వానిలో ఏవైనా 'రెండింటికి వ్యాసరూప సమాధానములిస్త్రాయుము****2X9=18 మా**

1) నారదుడు ధర్మరాజునకు చెప్పిన రాజనీతిని సంగ్రహముగా తెలపండి .

2) దక్షయజ్ఞం పాఠ్యభాగ కథను వ్రాయండి .

3) ధౌమ్యుడు పాండవులకు చేసిన ధర్మోపదేశాన్ని వివరించండి.

**[P.T.O.]**

4) గజేంద్ర మోక్ష సారాంశాన్ని తెలపండి .

5) సీతారావణ సంవాదాన్ని సంగ్రహంగా రాయండి .

పార్ట్ - బి

V. ఈ క్రింది వానిలో 'రెండింటికి సుందీ విడదీసి సుందీ పేరు తెలిపి సూత్రం' రాయండి

2X2=4 మా

- 1) రాజాన్వయము      2) కోవోద్రేకము      3) రాముడతడు  
4) వాగువోల      5) కట్టెదురు      6) శత్రైకవృద్ధి

VI. ఈ క్రింది వానిలో 'రెండింటికి విగ్రహ వాక్యం సమాసనామం' రాయండి

2X2=4 మా

- 1) అష్టాంగములు      2) కోపానలము      3) తల్లిదండ్రులు      4) సహస్రాక్షుడు

VII. ఈ క్రింది అలంకారములలో ఒకదానికి ఉదాహరణతో లక్ష్య లక్షణ సమన్వయము చేయండి

1X4=4మా

- 1) లాటను ప్రాస      2) రూపకాలంకారము

VIII. ఈ క్రింది పద్యపాదమునకు గణ విభజన చేసి యతి ప్రాసలు గుర్తించి, లక్షణము వ్రాయుము

1X4=4మా

- 1) సాగర రంగమందు నతి శౌర్యమునన్ రఘు రాముతోడ మా

(లేదా)

- 2) చంపకమాల. (ఉదాహరణ పూర్వక లక్ష్య లక్షణ సమన్వయము చేయండి)

Room No: \_\_\_\_\_

Regd No: \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I Degree (All Groups)  
Subject : English  
Title of Paper : A Course in Communication and Soft Skills  
Paper Code : R23ENG101  
W.E.F : 2023-24

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2 pm - 5 pm  
Date : 19-12-2024

**SECTION-A**

**(LISTENING SKILLS)**

**I. Answer any TWO Questions from the following:**

**2X3=6M**

1. What is the importance of listening.
2. How many types of listening ? What are they? Explain any two in detail.
3. What are the barriers of listening?
4. What are the benefits of effective listening?

**(PHONETICS)**

**II. Answer any THREE Questions from the following:**

**3X4=12M**

1. Explain about the sounds in English language.
2. Define syllable and mention 4 types of syllable
3. Write spelling for the transcribed words in English  
a) /fu:d/ b) /ka:m/ c) /fi:l/ d) /hIt/
4. Mark stress for the following words given below:  
a) Mankind b) bank c) delay d) famous
5. Identify the tone (Intonation) for the following sentences:  
a) I want you to wait  
b) Keep it back  
c) What's the matter?  
d) Splendid

**(GRAMMAR)**

**III. A. Fill in the blanks with suitable words given in brackets:**

**2X1=2M**

- a) He \_\_\_\_\_ football . (play, plays)
- b) Radha and Meera \_\_\_\_\_ coming here (is , are)

**B. Fill in the blanks with suitable Article and Prepositions:**

**4X1=4M**

- a) I am \_\_\_\_\_ university student.
- b) she goes to temple in \_\_\_\_\_ the morning.
- c) Peter is playing tennis \_\_\_\_\_ Sunday.
- d) My birthday is \_\_\_\_\_ January.

**[P.T.O]**

**C. Fill in the blanks with verb forms given in the brackets:**

**4X1=4M**

- a) The earth \_\_\_\_\_ the sun. (revolve)
- b) I \_\_\_\_\_ to college everyday. (go)
- c) He \_\_\_\_\_ from college yesterday. (return)
- d) He \_\_\_\_\_ the letter just now. (post)

**D. Add Question Tags for the following statements:**

**2X1=2M**

- a) They will help you , \_\_\_\_\_ ?
- b) She can speak English fluently, \_\_\_\_\_ ?

**(SPEAKING SKILLS)**

**IV. Answer any three questions from the following:**

**3X5=15M**

1. (a) Explain the importance of Greetings. Mention one context.

**OR**

(b) How do you introduce yourself to a company manager?

2. (a) How do we ask for information ? Mention one context.

**OR**

(b) How do we give information? Mention one context.

3. (a) What are the six leadership qualities that Dr. Kalam discussed?

4. What are the challenges that the Americans are expected to face?

5. (a) Write a conversation between employer and interviewee during interview.

**OR**

(b) Write a conversation between two friends about their vacation plan.

**(SOFT SKILLS)**

**V. Answer any THREE Questions from the following:**

**3X5=15M**

- 1. Explain SWOT/C analysis?
- 2. Define attitude. Explain positive attitude.
- 3. What are the characteristics of Emotional intelligence ? Explain.
- 4. Write a note on Netiquette.
- 5. How can you develop good interpersonal skills?

Room No: \_\_\_\_\_

Regd No: \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I - SEMESTER END EXAMINATIONS**

Class : I Degree (All Groups)  
Subject : English  
Title of Paper : A Course in Communication and Soft Skills  
Paper Code : R20ENG101A  
W.E.F : 2022-23

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2 pm - 5 pm  
Date : 19-12-2024

**SECTION-A**

**I. Answer any FOUR Questions from the following:**

**4X5=20M**

1. What are the barriers of listening?
2. Define importance of listening.
3. What are the different types of listening? Explain.
4. Write the correct spelling for the following phonemic transcriptions  
a) /fu:d/    b) /ka:m/    c) /fi:l/    d) /hIt/
5. Mark the stress for the following words given below  
a) Literature    b) aristocrat    c) computer    d) message
6. Identify the tone for the following sentences  
a) Open the window  
b) Can I help you?  
c) Where are you going?  
d) How beautiful!

**II. Answer any FOUR Questions from the following:**

**4X5=20M**

1. What are the advantages of SWOC analysis?
2. Write about the 5 components of EQ model
3. What are the elements of phone etiquette?
4. Define attitude and write about its characteristics.
5. What are the elements of phone etiquette?
6. Explain positive attitude in your own words.

**SECTION-B**

**I. Fill in the blanks with suitable verb forms.**

**4X1=4M**

1. He \_\_\_\_\_ the letter just now (post)
2. The earth \_\_\_\_\_ around the sun (rotate)
3. She \_\_\_\_\_ a letter at present. (write)
4. When I saw her, she \_\_\_\_\_ chess. (play)

**II. A. Fill in the blanks with suitable Articles.**

**2X1=2M**

1. I am \_\_\_\_\_ university student.
2. Kiran is \_\_\_\_\_ best student in the class.

**[P.T.O]**

**B. Fill in the blanks with suitable Prepositions**

2X1=2M

1. Peter is playing tennis \_\_\_\_\_ Sunday.
2. My birthday is \_\_\_\_\_ January

**III. A. Fill in the blanks with suitable Modal verb forms.**

2X1=2M

1. \_\_\_\_\_ be he is the team leader of the project . (can/may)
2. She \_\_\_\_\_ write program in c (can/will)

**B. Write question Tags for the following:**

2X1=2M

3. They will help you .
4. He is not angry .

**IV. Rewrite the following as directed.**

4X1=4M

1. Open the window. (change the voice)
2. I gave him a gift. (change the voice)
3. He said, " I know Ramu" (change the speech)
4. Ramu is the tallest boy in the class. (change into positive degree)

**V. Develop the ideas given below into a paragraph of 80 words**

4X1=4M

Trees-best friends-important role -life-cannot live without them -give-timber-paper-firewood-also-give food-medicine-add-beauty of life-need them-oxygen and good health-help-control Pollution-absorb carbon-di-oxide give rainfall-try-grow more trees.

**OR**

**A. Identify the correctly spelt word from the following:**

1. a) liebrary      b) libraery      c) library
2. a) intelligence      b) intelligeance      c) intelligence

**B. Punctuate the following.**

1. she said i m coming to college tomorrow
2. oh what a beautiful flower

Room No: \_\_\_\_\_

Regd No \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class : I DEGREE(All Groups)

Max Marks : 75

Subject : English

Pass Mark : 30

Title of Paper : A Course in Communication & Soft Skills

Duration : 3Hrs

Paper Code : R20ENG101

Time : 2pm - 5pm

W.E.F : 2022-23

Date : 19-12-2024

**I. Answer any three questions from the following :**

**3X5=15M**

1. Write an essay on the importance of listening.
2. Illustrate different types of listening.
3. Comment on the barriers of listening.
4. What is meant by effective listening?

**II. Answer any three questions from the following :**

**3X5=15M**

**1. Write the correct spelling for the following phonemic Transcription.**

- a) /gru:p/ b) /nekst/ c) /bəuθ/ d) /ʃud/ e) /tri:/

**2. Write phonemic transcription for the following words.**

- a) Who b) Guest c) Book d) Move e) Quick

**3. Mark stress for the following words given below:**

- a) Relax
- b) Social
- c) Agree
- d) Critical
- e) Patient

**4. Identify the Tone for the following sentences:**

- a) He is going home.
- b) Sit down.
- c) What is your name?
- d) Do you like to play Cricket?
- e) Have you completed your homework?

**III. Answer the following:**

**1. Fill in the blanks with suitable verb forms:**

**4X1=4M**

- a) One of my sisters \_\_\_\_\_ in Pune. (Work)
- b) Bread and butter \_\_\_\_\_ my favourite breakfast. (is/are)
- c) I \_\_\_\_\_ for a walk every day. (go)
- d) Our principal \_\_\_\_\_ near our college. (live)

**2. Fill in the blanks with suitable articles: (A,An,The)**

**4X1=4M**

- a) Last night, I watched \_\_\_\_\_ movie.

**[P.T.O]**



- b) Mother is in \_\_\_\_ Kitchen.  
c) She is \_\_\_\_ engineering student.  
d) \_\_\_\_ idea can change your life.

**3. Fill in the blanks with suitable prepositions:**

**4X1=4M**

- a) The flight leaves \_\_\_\_ 3PM.  
b) They make a lot \_\_\_\_ mistakes.  
c) He will come here \_\_\_\_ Sunday.  
d) It has rained \_\_\_\_ two hours.

**4. Fill in the blanks with suitable modal verb forms:**

**2X1=2M**

- a) \_\_\_\_ you have a pizza. (Can/will)  
b) \_\_\_\_ you tell us a story, please. (Can/may)

**5. Write a question tag for the following :**

**2X1=2M**

- a) He knows everything, \_\_\_\_\_ ?  
b) I am playing, \_\_\_\_\_ ?

**6. Rewrite the following as directed:**

**4X1=4M**

- a) He ate an orange. (Change the voice)  
b) Shut the door. (Change the voice)  
c) India is larger than any other democracy in the world. (Change into superlative degree)  
d) The cat runs faster than dogs. ( Change in to positive)

**IV. Answer the following questions:**

**2X5=10M**

**i. Identify the correctly spelt word form the following:**

1. a) Forty      b) Fourty      c) Farty  
2. a) Grammar    b) Grammer    c) Gramar  
3. a) Receive    b) Receve    c) Riceve  
4. a) Theatre    b) Theater    c) Theater  
5. a) Across      b) Accros      c) Accross

**ii. Develop the ideas given below into a paragraph of 100 words:**

On a holiday - went to Horsley Hills - with my family - great trip in my life - started journey - sunny day - excited about - Gali Bandalu - road was full of eucalyptus and sandalwood trees - extremely panoramic - Koundinya Wildlife Sanctuary - Environmental Park, Mallamma Temple - worth seeing.

**V. Answer any three questions from the following :**

**3X5=15M**

1. Write do's and don'ts of telephone etiquette.  
2. List out the tips that may develop one's attitude.  
3. Write a short note on Interpersonal skills.  
4. What are the limitations of SWOC/T analysis.  
5. Briefly state how to enhance emotional intelligence.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class	: I Degree (All Groups)	Max Marks	: 60
Subject	: English	Pass Mark	: 24
Title of Paper	: A Course in Communication And Soft Skills	Duration	: 3 Hrs
Paper Code	: R23ENG101A	Time	: 2pm to 5pm
W.E.F	: 2024-25	Date	: 19-12-2024

**(LISTENING SKILLS)**

**I. Answer any Two questions from the following: 2x3=6 Marks**

1. Write about the stages involved in the process of listening.
2. What are the differences between hearing and listening?
3. Write about the strategies that makes you an effective listener.
4. Explain different types of barriers to effective listening.

**(PHONETICS)**

**II. Answer any Three questions from the following: 3x4=12 Marks**

1. How many consonant sounds are there in English language? What are they? Give with examples.
2. What is a syllable? Write about different types of syllables.
3. Identify the sound of the underlined letters in the word.

- |                   |         |          |          |
|-------------------|---------|----------|----------|
| a) <u>M</u> usic  | i) /n/  | ii) /m/  | iii) /I/ |
| b) <u>Ch</u> air  | i) /tʃ/ | ii) /dʒ/ | iii) /k/ |
| c) <u>Th</u> ing  | i) /t/  | ii) /ð/  | iii) /θ/ |
| d) <u>Ac</u> tion | i) /æ/  | ii) /ə/  | iii) /v/ |

4. Mark the stress for the following words given below:  
a. Civilization      b) Electricity      c) Success      d) Bargain
5. Identify the tone (Intonation) for the following sentences:  
a) Are you thirsty?  
b) Where do you work?  
c) What a pleasant surprise!  
d) Is your name Ava or Eva?

**(GRAMMAR)**

**III. A. Fill in the blanks with suitable words given in brackets: 2x1=2 Marks**

- a) Slow and steady \_\_\_\_\_ the race. (win/wins)
- b) Thirty years \_\_\_\_\_ too long a period. (is/are)

**B. Fill in the blanks with suitable Articles and Prepositions:**

**4x1=4 Marks**

- a) I was born \_\_\_\_\_ Wednesday.
- b) Don't drink \_\_\_\_\_ water from that bottle. It's dirty.
- c) Vani is \_\_\_\_\_ the laboratory.
- d) We went to his house \_\_\_\_\_ fun.

**C. Fill in the blanks with Verb forms given in brackets:**

**4x1=4 Marks**

- a) We \_\_\_\_\_ the house last week. (paint)
- b) Ravi \_\_\_\_\_ a car. (drive)
- c) I \_\_\_\_\_ to church every Sunday. (go)
- d) The team \_\_\_\_\_ the flood-affected area next week. (visit)

**D. Add question Tags for the following statements:**

**2x1=2 Marks**

- a) Ramya is a dancer, \_\_\_\_\_ ?
- b) You will stay here, \_\_\_\_\_ ?

**(SPEAKING SKILLS)**

**IV. Answer any Three questions from the following:**

**3x5=15 Marks**

1. Explain the importance of Greetings. Mention one Context.

**OR**

How do you introduce your best friend to your friend?

2. Write a context on seeking information.

**OR**

Write a context on giving information.

3. Why did Dr. Kalm feel that Prof. Dhawan was a "True Leader"?
4. What are the challenges that the Americans are expected to face?
5. Write a conversation between Lilly and Nikhitha agreeing about the amenities of their college.

**OR**

Write a conversation between you and your cousin about disagreeing on social media's latest updates.

**(SOFT SKILLS)**

**V. Answer any Three questions from the following:**

**3x5=15 Marks**

1. What is SWOT/SWOC analysis? How is it useful to a student?
2. Describe the various ways to enhance a positive attitude.
3. What are the ways to improve Emotional Intelligence?
4. What is Netiquette? Write few rules of it.
5. Write about Interpersonal Skills.

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Regd No \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I B.Sc Hon(All Groups)

Max Marks : 50

Subject : Mathematics

Pass Mark : 20

Title of Paper : **Analytical Skills**

Duration : 2Hrs

Paper Code : R23SDPB101

Time : 2pm-4pm

W.E.F : 2023-24

Date : 17-12-2024

**SECTION-A****I. Answer any TEN questions of the following****10X2=20M**

1. Simplify:  $5005-5000/10=?$ .
2. Simplify:  $108/36$  of  $1/4+2/5 \times 3(1/4)$ .
3. If  $a:b = 5:9$  and  $b:c = 4:7$  find  $a:b:c$ ?
4. Express  $23/36$  as a rate percent?
5. Find the average of all prime numbers between 30 and 50?
6. Find the wrong number in the series 3, 10, 27, 4, 16, 64, 5, 25, 105
7. If  $\frac{2x}{1+\frac{1}{x}} = 1$ , then find the value of  $x$ .  
 $\frac{1+\frac{1}{x}}{1+\frac{1}{1-x}}$
8. If  $x:y = 3:4$ , find  $(4x+5y):(5x-2y)$ .
9.  $986 \times 307 - 986 \times 207 = ?$
10. Find the LCM of 28,35,56 and 84?
11. Show that 4832718 are divisible by 11?
12. Rajeev's age after 15 years will be 5 times his age 5 years back. What is the present age of Rajeev.
13. Find the day of week august 15<sup>th</sup> 1947?
14. A cyclist covers a distance of 750m in 2min 30 sec. What is the speed in km/hr of the cyclist.
15. Mohan bought bicycle for Rs.750/- and sold it for Rs.675/-. Find his loss percentage?

**SECTION-B****I. Answer any FIVE questions of the following****5X6=30M****16. Subject (maximum marks recorded out of 100)**

Students	Hindi	English	Maths	Social	Science	Sanskrit	PES
Anupama	85	95	87	87	65	35	71
Bhaskar	72	97	55	77	62	41	64
Charu	64	78	74	63	55	25	33
Deepak	65	62	69	81	70	40	50
Garima	92	82	81	79	49	30	61
Vishal	55	70	65	69	44	28	30

**[P.T.O]**

- a. How many students have scored lowest marks in two or more subjects?
- b. Who has scored the higher marks in all the subjects together
- c. What is Deepak percentage of marks in all the subjects together
- d. What is the average percentage of marks obtained by all the students together in science?
- e. Marks obtained by Charu in Hindi is what percent marks the Anupama got in science subject?
- 17.** Find the HCF of 1672 and 374?
- 18.** What was the day of week on 16<sup>th</sup> July, 1776?
- 19.** At what time between 2 and 3 o'clock will the hands of a clock be together?
- 20.** The average age of a class of 39 students is 15 years. If the age of the teacher be included, then the average increases by 3 months. Find the age of the teacher?
- 21.** 6 years ago, the ratio of the ages of Kumar & Sagar was 6:5. Four years hence, the ratio of their ages will be 11:10. What is Sagar's age at present.
- 22.** In how many years, Rs. 150 will produce the same interest 8% as Rs. 800 produce in 3 yrs 4  $\frac{1}{2}$ %?
- 23.** A, B and C started a business by investing Rs. 120000, Rs. 135000 and Rs. 150000 respectively. Find the share of each. Out of an annual profit of Rs. 56700.
- 24.** A book was sold for Rs. 27.50 with a profit of 10% if it was sold for Rs. 25.75, then what would have been the percentage of profit or loss?
- 25.** Explain Simple and compound interest?

Room No: \_\_\_\_\_

Regd No: \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I Degree [All Groups]

Max Marks : 60

Subject : Hindi

Pass Mark : 24

Title of Paper : General Hindi

Duration : 3 Hrs

Paper Code : R23HIN101A

Time : 2pm - 5pm

W.E.F : 2024-25

Date : 20-12-2024

**PART-A**

I. निम्न लिखित प्रश्नों में से किन्हीं पाँच प्रश्नों का उत्तर दीजिए ।

**5X4=20M**

1. मुक्तिधन कहानी के शीर्षक की सार्थकता पर प्रकाश डालिए ?

2. नीचे दिए गए शब्दों का वचन बदलिये ?

1) कपड़ा      2) बच्चा      3) टोपी      4) कथा

3. नीचे दिए गए शब्दों का लिंग बदलिये ?

1) दादा      2) लड़की      3) कुमार      4) गुरु

4. "रामधारी सिंह दिनकर" लेखक का परिचय लिखिए ?

5. "महादेवी वर्मा" लेखक का परिचय लिखिए ?

6. "अरुण" पात्र का चरित्र चित्रण कीजिए ?

7. नीचे दिए अंग्रेजी शब्दों हिंदी में लिखिए ?

1) Allowance      2) Circular      3) Order      4) Grant

8. नीचे दिए हिंदी शब्दों अंग्रेजी में लिखिए ?

1) पारपत्र      2) रोकड़िया      3) आवास      4) अनुवादक

**PART-B**

II. निम्न लिखित प्रश्नों का उत्तर दीजिए

**5X8=40M**

9. "साहित्य की महत्ता" पाठ का सारांश लिखिए ।

अथवा

"भारत एक है" पाठ का सारांश लिखिए ।

10. "मुक्तिधन" कहानी का सारांश लिखिए ।

अथवा

"पुरस्कार" कहानी का सारांश लिखिए ।

**[P.T.O]**

11. हिंदी साहित्य का काल विभाजन के बारे में लिखिए ?

अथवा

निर्गुण भक्ति शाखा - कबीर के बारे में लिखिए ?

12. पिताजी के नाम पत्र लिखिए ?

अथवा

प्राध्यापक पद के लिए आवेदन पत्र लिखिये ?

13. उचित कारक चिह्न का प्रयोग कीजिए ।

1. राम --- पाठ पढ़ा ।
2. पेड़ --- पत्ता गिरा ।
3. राम --- बुलाओ ।
4. मैंने सलीम --- सौ रुपये दिए ।
5. सलमा सोफिया --- तेज है ।
6. वह कुमार --- लड़का है ।
7. बिल्किसे छत --- बैठी हैं ।
8. घर --- माँ है ।

शुद्ध कीजिए अथवा

1. उसने क्या बोला ।
2. वह मुझको विश्वास नहीं करता ।
3. राधा का पति का नाम बताओ ।
4. चोरी कौन किया ।
5. राजू मुझसे कहा ।
6. नल में पानी टपक रहा है ।
7. यह पत्र कौन लिखा है ?
8. मेरे को पुस्तक चाहिए ।

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class : I Degree (All Groups)

Max Marks : 60

Subject : Hindi

Pass Mark : 24

Title of Paper : General Hindi

Duration : 3 Hrs

Paper Code : R23HIN101

Time : 2 pm - 5 pm

W.E.F : 2023-24

Date : 20-12-2024

**SECTION - A**

I. **निम्न लिखित प्रश्नों में से किन्हीं पाँच प्रश्नों का उत्तर दीजिए ।** 5 x 4 = 20

1. पुरस्कार कहानी के उद्देश्य पर प्रकाश डालिए ।
2. नीचे दिये गए शब्दों का वचन बदलिए ।  
1. कपडा                      2. कविता                      3. आँख                      4. कवि
3. नीचे दिये गए शब्दों का लिंग बदलिए ।  
1. मोर                      2. पंडित                      3. छात्र                      4. मामा
4. काल किसे कहते हैं ? वे क्या-क्या हैं ?
5. डा. कुसुम वियोगी का परिचय दीजिए ।
6. साहित्य की जीवन में क्या आवश्यकता है ? साहित्य द्वारा सम्यता की परीक्षा किस प्रकार हो सकती है ?
7. निम्न लिखित अंग्रेजी शब्दों का हिन्दी में अनुवाद कीजिए ।  
1. Agreement              2. Circular                      3. Adviser                      4. Chairman
8. निम्न लिखित हिन्दी शब्दों का अंग्रेजी में अनुवाद कीजिए ।  
1. जाँच अधिकारी      2. कुलपति                      3. रोकडिया                      4. आदेश

**SECTION - B**

II. **निम्न लिखित प्रश्नों का उत्तर दीजिए ।** 5 x 8 = 40

1. मित्रता पाठ का सारांश लिखिए ।  
[अथवा]  
बिदा पाठ का सारांश लिखिए ।
2. मुक्तिधन कहानी का सारांश लिखिए ।  
[अथवा]  
पुरस्कार कहानी का सारांश लिखिए ।
3. हिन्दी साहित्य का काल विभाजन कीजिए ।  
[अथवा]  
भक्तिकाल के विविध शाखाओं का परिचय दीजिए ।



4. आचार्य की नौकरी माँगते हुए किसी कालेज के नाम एक आवेदन पत्र लिखिए ।

(अथवा)

बीमारी के कारण छुट्टी के लिए प्रधालाचार्य को प्रार्थना पत्र लिखिए ।

5. उचित कारक चिह्न का प्रयोग कीजिए ।

1. राम ——— फल दो ।
2. मैं ——— किताब पढी ।
3. गोमती ——— सरला छोटी है ।
4. पेड ——— चिडियाँ बैठी है ।
5. जंगल ——— पशु-पक्षी रहते हैं ।
6. वृक्ष ——— डाली पर आम है ।
7. ये बच्चे रमा ——— है ।
8. मोहन राकेश ——— मिठाई लाया ।

(अथवा)

शुद्ध कीजिए ।

1. आप काम करो ।
2. मैं बाजार जाता है ।
3. मैं मिठाई खाया ।
4. हम पाठशाला जाता है ।
5. मधु मधु का काम करता है ।
6. तुम कौन है ?
7. कलम जेब पर है ।
8. महेश आम खाया ।

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I Degree (All Groups)

Max Marks : 60

Subject : Hindi

Pass Mark : 24

Title of Paper : General Hindi

Duration : 3 Hrs

Paper Code : R20HIN101A

Time : 2pm - 5pm

W.E.F : 2022-23

Date : 20-12-2024

**PART-A**

1. निम्न लिखित प्रश्नों में से किन्हीं पांच प्रश्नों का उत्तर दीजिये।

5x4=20m

1. प्रेमचन्द लेखक का परिचय दीजिये ?

2. साहित्य की महत्ता पाठ के लेखक परिचय दीजिये ?

3. निचे दिए गये शब्दों का लिंग बदलिए।

1. दादा      2. मालिका      3 गणवान      4 सिंह

4. वाच्य किसे कहते है तथा उसके कितने प्रकार है?

5 मुक्तिधन कहानी का सारांश अपने शब्दों में लिखिए ?

6. बिदा के बाल्य जीवन की घटनाओं को अपने शब्दों में लिखिए ?

7. रहमान पात्र चरित्र चित्रण कीजिये ?

8. निचे दिए गये शब्दों का वचन बदलिए।

1. वस्तु      2 गाय      3.जाति      4 नदी

**PART-B**

5x8=40m

निम्न लिखित प्रश्नों का उत्तर दीजिये

9. पूस की रात पाठ का सारांश लिखिए

(अथवा)

उसने कहा था कहानी का सारांश लिखिए

10. साहित्य की महत्ता नामक पाठ का सारांश अपने शब्दों में लिखिए।

(अथवा)

मुक्तिधन कहानी का सारांश लिखिए।

11. ज्ञान राशि के संचित कोष ही का ज्ञान साहित्य है सन्दर्भ सहित व्याख्या कीजिये

(अथवा)

"मेरी दूसरी पत्नी है और आप तो जानती ही होंगी सन्दर्भ सहित व्याख्या कीजिये

12. विलोम शब्द लिखिए

1 अधिक      2. पाप      3 दिन्न      4 धर्म

5. उपकार      6 प्रत्यक्ष      7 आकाश      8. राजा

[P.T.O]

वाक्य शुद्ध कीजिये

(अथवा)

1. हम पाठशाला जाता है।
2. सतीष ने मुंबई गया।
3. नीरजा ने पुस्तक ली।
4. तुम कौन है।

13. शब्दों को वाक्यों में प्रयोग कीजिये

1. विरासत
2. भारत
3. अंधेरा
4. सावधानी

(अथवा)

वाक्य बदलना

1. राम ने रावण को मारा।
2. तुलसीदास ने रामायण लिखी थी।
3. लता गीत गाती है।
4. मैं ने आम खाया।

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Sc (Microbiology , BioTechnology)  
Subject : Botany/Zoology/Chemistry  
Title of Paper : Introduction to Classical Biology  
Paper Code : R23BM101  
W.E.F : 2023-24

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2pm - 5pm  
Date : 21-12-2024

**I. Answer ALL the following Questions**

**5X12=60M**

**SECTION-A (BOTANY)**

1. Write an Essay on Conservation of Biodiversity.  
(OR)
2. What is pollution and Types of pollution?
3. Describe the Physiological effect of Different Phytohormones.  
(OR)
4. Write an Essay on Classification of plant kingdom.

**SECTION-B (ZOOLOGY)**

5. Write about the basics of organ systems and their functions?  
(OR)
6. Write an essay on fertilization and cleavage?
7. Write in detail about Ultra structure of prokaryotic and eukaryotic cell, their Components.  
(OR)
8. Write in detail about central dogma with diagram. Origin of life.

**SECTION-C (CHEMISTRY)**

9. Write about the following.  
I) Hydrogen bond                      II) Non -Covalent Bond van der waals and hydrophobic interactions  
(OR)
10. What are 12 principles of Green Chemistry?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I BA Honours (Political Science)  
Subject : Political Science  
Title of Paper : **Fundamentals of Social Sciences**  
Paper Code : R23PS101A  
W.E.F : 2024-25

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2 pm - 5 pm  
Date : 21-12-2024

**SECTION-A (SOCIAL SCIENCE|ECONOMY, PSYCHOLOGY)**

**I. Answer Five Questions Choosing at least two Questions from each Section**

**5X12=60M**

1. Discuss about scope of Social Science.
2. Write about different social sciences?
3. Discuss about nature and scope of psychology.
4. Discuss about importance of social interaction.
5. Write about human real-life engagement?
6. Explain about social groups.

**SECTION-B (COMPUTERS)**

7. Write about Generations of Computers.
8. Write about various types of networks.
9. What about various types of social networks.
10. Explain the Artificial Intelligence Applications.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I - SEMESTER END EXAMINATIONS**

Class : I B.Sc (CBZ)

Max Marks : 75

Subject : Botany

Pass Mark : 30

Title of Paper : Fundamentals of Microbes &amp; Non Vascular Plants

Duration : 3 Hrs

Paper Code : R20BOT101

Time : 2 pm - 5 pm

W.E.F : 2021-22

Date : 21-12-2024

**SECTION-A****I. Answer ALL the following Questions****5X2=10M**

1. Monera
2. Actinomycetes
3. Fungi general characters
4. General characters of algae
5. Gemma cup

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

6. Gemini virus.
7. Transformation
8. Blast of rice
9. Cystocarp
10. Riccia

**SECTION-C****III. Answer any FIVE of the following Questions****5X10=50M**

11. Discuss the symptoms and transmission methods of plant Diseases caused by viruses  
(OR)
12. Write an account on origin of life
13. Write an account of Archaeobacteria & Actinomycetes  
(OR)
14. Write about general accounts symptoms of plant diseases caused by bacteria
15. Write about general characters of fungi and ainsworth classification  
(OR)
16. Write an account on symptoms of plant diseases caused by fungi
17. General characters of algae and fritch classification  
(OR)
18. Thallus organization of algae
19. Discribe the morphology and life cycle of funaria  
(OR)
20. Describe the life cycle and reproduction of marchantia

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I DEGREE(ALL GROUPS)  
Subject : Foundation  
Title of Paper : Human Values And Professional Ethics  
Paper Code : R20LSC102  
W.E.F : 2022-23

Max Marks : 50  
Pass Mark : 20  
Duration : 2Hrs  
Time : 2pm - 4 pm  
Date : 16-12-2024

**SECTION-A**

**I. Answer any FOUR of the following Questions**

**4X5=20M**

1. Explain the purpose of Self Exploration?
2. Explain the difference between prosperity & Wealth?
3. Discuss the basic unit of interaction?
4. Write about trust?
5. Explain the Basic guidelines of Value Education?
6. Explain Natural Acceptance?
7. Discuss about Akhand Samaj?
8. Explain preconditioning?

**SECTION-B**

**II. Answer any THREE Of the following Questions**

**3X10=30M**

9. Explain the Understanding the need for value education?
10. Discuss the Basic Human Aspirations?
11. Explain the Values for the harmony in the family?
12. Explain the principles of professional Ethics?
13. Discuss what you understand by competence in professional Ethics?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class	: I B.Sc, B.Com & BBA Honors	Max Marks	: 50
Subject	: Psychology	Pass Mark	: 20
Title of Paper	: Principles of Psychology	Duration	: 2Hrs
Paper Code	: R23MDP101	Time	: 2pm - 4pm
W.E.F	: 2023-24	Date	: 18-12-2024

**SECTION-A**

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

1. Illustrate the Applied fields of Psychology
2. What is Attention and describe the types of Attention.
3. Summarise the James-Lange theory of Emotions?
4. Illustrate the types of Motivation?
5. Write the types of memory?
6. Write the Personality characteristics.

**SECTION-B**

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

7. Describe the Nature and Scope of Psychology?
8. Define Perception and describe the Perceptual determinants.
9. Summarize the Maslow's Hierarchy theory of Motivation.
10. Write the theory of Classical Conditioning and it's Principles with suitable examples.
11. Explain the Personality assessment techniques.



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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I - SEMESTER END EXAMINATIONS**

Class	: I B.Com. Gen, TP, Computers and BBA	Max Marks	: 60
Subject	: Commerce and Management	Pass Mark	: 24
Title of Paper	: <b>Fundamentals of Commerce</b>	Duration	: 3 Hrs
Paper Code	: R23COM101	Time	: 2pm - 5pm
W.E.F	: 2019-20	Date	: 21-12-2024

**SECTION-A - COMMERCE**

**Answer the following Questions**

**5X12=60 M**

1. Explain the role of Commerce in economic development.

**[OR]**

2. Define Balance of payment. Explain various components of BOP.

3. What is Perfect competition market? Explain its characteristics.

**[OR]**

4. Explain the concepts of National Income.

5. Explain the objectives and advantages of Accounting.

**[OR]**

6. Distinguish between Financial Accounting, Cost Accounting and Management Accounting.

7. What are the difference between Direct and Indirect taxes?

**[OR]**

8. What is meant by CBDT? Explain Functions of CBDT.

**SECTION-B - COMPUTERS**

9. Explain about digital marketing.

**[OR]**

10. Explain about SEO.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Com(GEN)  
Subject : Commerce  
Title of Paper : Business Environment  
Paper Code : R20COMG103  
W.E.F : 2022-23

Max Marks : 75  
Pass Mark : 30  
Duration : 3Hrs  
Time : 2 pm - 5 pm  
Date : 26-12-2024

**SECTION-A**

**I. Answer any FIVE of the following Questions**

**5X5=25M**

1. Write about environment.
2. Discuss about economic policy
3. New industrial policy
4. Concept of social responsibility
5. Political stability
6. What is business
7. Trade blocks
8. SAARC

**SECTION-B**

**II. Answer ALL the following Questions**

**5X10=50M**

9. Explain the importance of business environment.

**(OR)**

10. Discuss about the significance of environmental analysis.

11. Explain the nature and structure of economic environment.

**(OR)**

12. Explain about the importance of Five Year Plans.

13. What are the objectives and limitations of fiscal policy.

**(OR)**

14. Explain the functions of RBI.

15. Discuss about demonetization.

**(OR)**

16. Explain about the impact of GST on legal changes.

17. Explain the functions of W.T.O.

**(OR)**

18. Discuss about IBRD and BRICS.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I BBA  
 Subject : Commerce  
 Title of Paper : Managerial Economics  
 Paper Code : R20BBA102A  
 W.E.F : 2020-21

Max Marks : 60  
 Pass Mark : 24  
 Duration : 3Hrs  
 Time : 2pm - 5pm  
 Date : 23-12-2024

**SECTION-A****I Answer any FIVE of the following Questions****5X4=20M**

1. Managerial Economics
2. Law of Demand
3. Budget Line
4. Oligopoly
5. National Income
6. Concept of Production
7. Discounting Principle
8. Concept of Cost

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

9. Distinguish between Micro Economics and Macro Economics?  
(OR)
10. Describe the Nature and scope of Managerial Economics?
11. Discuss the factors affecting the Elasticity of Demand?  
(OR)
12. Explain in detail the Cross Elasticity of Demand?
13. Describe in detail the Law of Diminishing Marginal Utility?  
(OR)
14. What do you mean by Law of Supply? Discuss in detail about the shift in Supply Curve?
15. Write in detail about the Law of Variable Proportion?  
(OR)
16. Explain about the Pricing in Various Market Structures?
17. Describe about the Keynesian approach in Detail?  
(OR)
18. Discuss in brief about the Circular flow of Income?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I SEMESTER END EXAMINATIONS**

Class : I B.Com ( ALL)	Max Marks : 75
Subject : COMMERCE	Pass Mark : 30
Title of Paper: Business Organisation & Management	Duration : 3 Hrs
Paper Code : R20COM102	Paper Time : 2pm - 5pm
W.E.F : 2020-21	Date : 23-12-2024

**SECTION - A**

**Answer any FIVE Of the following questions.**

**5X5=25M**

1. Aids to Trade
2. Classification of Trade
3. Public Sector Corporations
4. Multinational Corporations
5. Prospectus
6. Top Level Management
7. Joint Stock Company
8. Certificate Incorporation

**SECTION -B**

**Answer ALL the following Questions**

**5X10=50M**

9. a) Describe the features of Business.

**(OR)**

b) What are the factors influencing the choice of suitable form of organisation.

10. a) Explain the advantages and disadvantages of sole trader.

**(OR)**

b) Explain the advantages and disadvantages of partnership business.

11. a) What are the clauses of MOA.

**(OR)**

b) Explain about contents of AOA.

12. a) Explain about Henry Fayol's Principles of Management.

**(OR)**

b) Explain difference between Administration and Management.

13. a) Explain difference between Trade, Commerce and Industry.

**(OR)**

b) Explain difference between private and public limited company

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class	: I B.Com(Comp)	Max Marks	: 60
Subject	: Commerce	Pass Mark	: 24
Title of Paper	: <b>Business Organisation and Management</b>	Duration	: 3Hrs
Paper Code	: R20COM102A	Time	: 2pm - 5pm
W.E.F	: 2023-24	Date	: 23-12-2024

**SECTION-A**

**I. Answer any FIVE of the following Questions.**

**5X4=20M**

1. Concepts of Business.
2. Public Sector Enterprises.
3. Certificate of Incorporation.
4. Administration.
5. Line and Staff Organization.
6. Articles of Association.
7. Partnership Business.
8. Planning.

**SECTION-B**

**II. Answer the following questions.**

**5X8=40M**

9. Write about difference between Trade, Commerce and Industry?

**(OR)**

10. Define Trade? Explain the Classification of Trade?

11. What are the Advantages and Disadvantages of Sole Trader?

**(OR)**

12. Difference between Private Limited and Public Limited Company?

13. What are the Clauses of MOA?

**(OR)**

14. What is Prospectus? and What are its Contents?

15. Explain about Henry Fayol's Principles of Management?

**(OR)**

16. Write about various Levels of Management?

17. What are the Principles of Organization?

**(OR)**

18. What are the functions of Management?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I - SEMESTER END EXAMINATIONS**

Class	: I B.Com. Gen, TP, Computers BCA and BBA	Max Marks	: 60
Subject	: Commerce and Management	Pass Mark	: 24
Title of Paper	: <b>Business Organisation</b>	Duration	: 3 Hrs
Paper Code	: R23COM102	Time	: 2pm - 5pm
W.E.F	: 2019-20	Date	: 23-12-2024

**SECTION-A**

**Answer the following Questions**

**5X12=60 M**

1. Write about difference between commerce, business and industry.

**[OR]**

2. What is modern business? Explain its characteristics.

3. Define Partnership. Explain its advantages and Disadvantages.

**[OR]**

4. What is a Joint Stock Company? Explain its features.

5. Explain the criteria for measuring the size of Business Unit.

**[OR]**

6. What are the factors that influence the selection of plant location?

7. Distinguish between Rationalization and Nationalization

**[OR]**

8. Explain various principles of Rationalization.

**SECTION-B**

9. Explain about generations of computer.

**[OR]**

10. Explain about cryptography.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I B.Com (Gen, TP, Comp, Log)  
 Subject : Commerce  
 Title of Paper : Fundamentals of Accounting  
 Paper Code : R20COM101  
 W.E.F : 2020-21

Max Marks : 75  
 Pass Mark : 30  
 Duration : 3 Hrs  
 Time : 2 pm - 5 pm  
 Date : 21-12-2024

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

1. Write about Functions of Accounting.
2. What is Petty Cash Book
3. Write about Error of Principle
4. Explain Golden rules of Accounting
5. What is Contra Entry
6. Define BRS
7. Deferred Revenue Expenditure
8. Write about the users of Financial Statements

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

9. Differences between Book keeping and Accounting

**(OR)**

10. Journalise the following transactions in the books of Mr. Krishna

2020	
August 1	Pradeep commenced business with a cash of Rs. 50,000.
2	Deposited with Bank Rs. 10,000
3	Sold goods to Kiran Rs. 20,000.
4	Goods sold for cash Rs. 5,000
5	Purchases Rs. 2,000.
8	Bought goods from Jeevan Rs. 4,000.
12	Returned goods by Kiran Rs. 1,000.
15	Paid telephone bill Rs. 500.
16	Bought furniture and paid by cheque Rs. 12,000.
18	Goods returned to Jeevan Rs. 300.
22	Paid for advertisement Rs. 1,500.
28	Commission received Rs.450
30	Goods sold to thirumala for cash Rs.5000

11. Write about the advantages of Petty Cash Book

**(OR)**

12. Prepare Three Column Cash Book from the following:

**[P.T.O]**

2013 May.01	Balance at bank ₹1,500
May.02	Drew from bank for office use ₹500
May.03	Bought office furniture for cash ₹320
May.08	Paid wages in cash 150
May.14	Drew from bank for office use ₹250
May.16	Sold goods for cash 220
May.19	Received a cheque from Suraj & Co. in settlement of their account of 750 less 5%
May.23	Bought goods for cash ₹450
May.25	Drew cheque for self ₹400
May.31	Paid Sunder's account ₹400 by cheque less 2½ per cent

13. Explain various types of preparation of Trial Balance

(OR)

14. Rectify the following errors

1. Purchase of furniture Rs. 7,500 has been entered in the purchases book and credited to the suppliers account.
2. Purchased goods for the personal use of the proprietor Rs.1,500, debited to Purchase Account
3. Wages Rs.3,500 paid for the construction of small room, debited to Wages Account.
4. Total of the Purchases Book is Rs.3,000 excess.
5. Discount allowed by Ananda Rao, Rs.250, correctly entered in Cash Book, has not posted to the account
6. A sale to Satish Rao Rs.3,200 has been entered in the Sales Book Rs.as 2,300.

15. What are the causes for the preparation of BRS?

(OR)

16. Prepare Bank Reconciliation Statement of Mr. Adarsh as 31.03.2012.

1. Balance as per Pass Book Rs.18,000.
2. Cheques issued but not presented for payment Rs.6,800.
3. Cheques deposited but not credited Rs.8,400.
4. Rs.600 debited in Pass Book for interest on overdraft and not entered in Cash Book
5. Pass Book credited with Rs.2,000 for interest on investments and no entry found in Cash Book
6. Direct deposit by a debtor in bank account amounts to Rs.1000

[Continued to Next Page]



17. Explain Profit and Loss account in detail.

(OR)

18. From the following Trial Balance of Mr. Shekar , Prepare Trading , Profit and Loss and Balance Sheet for the year ending 31-03-2022.

**Trial balance as on 31-03-2022**

Particulars	Debit Rs	Credit Rs
Buildings	20000	-
Capital account	-	60000
Purchases and sales	10000	30000
Opening stock	5000	-
Debtors and creditors	12000	6000
Drawings	4000	-
Sales returns & purchase returns	2000	500
Freight	2500	-
Office salaries	8000	-
Wages	1500	-
Postage and telegram	1000	-
Machinery	15000	-
Bills receivable & bills payable	8000	2000
Advertisement	2000	-
Cash in hand	3500	-
Loose tools	4000	-
	98500	98500

**Adjustments:**

1. Closing Stock Rs. 6000
2. Depreciation buildings by 10% and loose tools are re-valued at rs.3500
3. Interest on capital at 10% and drawings at 5%.

Room No: \_\_\_\_\_

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I – SEMESTER END EXAMINATIONS**

Class : I B.Com (Gen, TP, Comp, Log)  
Subject : Commerce  
Title of Paper : Fundamentals of Accounting  
Paper Code : R20COM101A  
W.E.F : 2020-21

Max Marks : 75  
Pass Mark : 30  
Duration : 3 Hrs  
Time : 2pm - 5pm  
Date : 21-12-2024

**SECTION-A**

**5X5=25M**

**I. Answer any FIVE of the following Questions**

1. Write about classification of accounting?
2. Write about Contra Entry
3. What is Suspense Account
4. Objectives of Accounting
5. Need for preparation of BRS
6. Explain about the Financial Statements
7. What is Debit note and Credit note
8. Types of Errors

**SECTION-B**

**5X10=50M**

**II. Answer ALL the following Questions**

9. Explain in detail about Accounting cycle

**(OR)**

10. Journalise the following transactions in the books of Mr. Ram

2021 Mar 1	Commenced Business with Cash Rs. 2,00,000
3	Deposited cash into Bank Rs. 20,000
6	Cash Sales Rs.15,000
7	Goods purchased on credit from Tarun Rs. 7,000
10	Purchased Machinery through Cheques Rs. 30,000
16	Goods sold to Sai Rs.15,000
17	Goods return by Sai Rs. 1000
19	Withdraw from bank for Personal use Rs. 5,000
20	Goods return to TarunRs. 500
24	Paid Salaries Rs. 7,000
26	Paid Stationery Rs. 500
28	Commission received Rs. 1000

11. Write about various types of Subsidiary books

**(OR)**

12. Prepare Three Column Cash Book of Mr. Sashi from the following:

**[P.T.O]**

2020 Mar.1	Cash in hand Rs.9500
	Cash at Bank Rs.21500
3	Cash Sales Rs. 9550
5	Cash paid into Bank Rs.12000
6	Cheque received from Kumar Rs.8950 ; Discount allowed Rs.50
7	Stationery expenses Rs.250
10	Cash sales Rs.16000
13	Wages Rs.2000
15	Credit purchase from Ramu Rs.12000
15	Salaries paid by cheque Rs.4000
16	Cheque receive from Shyam Rs.2550
18	Shyam cheque deposited in the bank
19	Paid to Ramu by cheque Rs.11900
25	Tax paid by cheque Rs 1250
27	Raju directly deposited in the bank Rs 6000
30	Cash sales Rs 9900
30	Commission paid in cash Rs 50
30	Rent paid by cheque Rs 2500

13. Write about the features and objectives of trial balance

(OR)

14. Rectify the following errors

1. Purchases of ₹5,000 from Sujay passed through Sales Book.
2. Bill received from Sanjeev for 3,000 passed through Bills Payable Book.
3. Received 23,000 from Arun (whose account for 3,000 was written off earlier) and posted to the credit of Anand
4. Television sold to Kumar for 1,000 passed through Sales Book twice.
5. An item of 1,500 relating to Prepaid Rent was omitted to be brought forward from the last year.
6. 4,000 paid to Jain.R, against our acceptance was debited to Jain.S

15. What are the causes for the preparation of BRS?

(OR)

16. From the following particulars, Prepare Bank Reconciliation Statement of Mr.Venkat as on 31-3-2012

[Continued to Next Page]

1. Bank Balance as per cash book Rs. 12,000.
2. Cheques amounting to s. 1,800 deposited on 27-12-98 into bank, Out of which only Rs. 600 cheque was collected before 31st December.
3. Bank has paid only Rs. 800 from the cheques issued for Rs. 1,600.
4. Undercasting in credit side of pass book Rs. 15.
5. Interest on investments credited in pass book only Rs. 75.
6. A cheque issued for Rs. 320 has been recorded as Rs. 230 in cash book.
7. Cheque sent for collection for Rs. 120 has been dishonoured. This was not recorded in the cash book

17. Write about the Need and importance of Trading account

(OR)

18. From the following Trial Balance of K. Traders prepare Trading , Profit and Loss and Balance Sheet for the year ending 31-03-2022.

**Trial balance as on 31-03-2022**

Debit	Amount Rs	Credit	Amount Rs
Purchases	200000	Sales	471004
Machinery	90000	Capital	45000
Returns	5000	Returns	2503
Debtors	92000	Creditors	51000
Cash at bank	28000	Provision for bad debts	1000
Stock	50205		
Rates and taxes	4800		
Wages	8000		
Furniture	47000		
Salaries	5502		
freight	570507		570507

**Adjustments:**

1. Closing Stock Rs. 56000
2. Outstanding Salaries Rs. 6000
3. Write off Rs. 2000 as Bad Debts. Create a Provision for Doubtful Debts at 3%
4. Provide 5% depreciation on machinery
5. Interest on capital @ 5% is allowed.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I – SEMESTER END EXAMINATIONS**

Class : I B.Com, BBA, BCA Honours  
Subject : Commerce  
Title of Paper : Entrepreneurship Development  
Paper Code : R23SDPA (01)  
W.E.F : 2023-24

Max Marks : 50  
Pass Mark : 20  
Duration : 2 Hrs  
Time : 2pm - 4pm  
Date : 17-12-2024

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

1. Define Entrepreneur.
2. Explain the characteristics of an entrepreneur.
3. Define and meaning of start-up.
4. Explain about Idea Generation.
5. Write about project report.
6. SSIDC.
7. IDBI.
8. Rehabilitation Allowance.

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

9. Explain the role and importance of entrepreneur in Economic development.
10. Explain the classification of entrepreneurs.
11. Discuss about various project appraisal techniques.
12. Explain various sources in developing business ideas.
13. Explain the functions of NABARD.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**  
**I SEMESTER END EXAMINATIONS**

Class	: I BCA, B.Sc. (MPCS,MECS, MSCS,MCCS,DS,IOT)	Max Marks	: 60
Subject	: Computer Science	Pass Mark	: 24
Title of Paper	: Programming With 'C'	Duration	: 3 Hrs
Paper Code	: R20CSC101A/R20BCA102A	Paper Time	: 2 pm - 5 pm
W.E.F	: 2022-23	Date	: 26-12-2024

**SECTION - A**

**I. Answer any FIVE Of the following questions.**

**5X4=20M**

1. Explain different programming languages.
2. What is Recursion? Explain with example.
3. Write a program to demonstrate all arithmetic operations using Switch Case.
4. Write a program to swap two Strings.
5. Explain different types of arrays with syntax.
6. What is pointer? How to declare a pointer with example.
7. Write differences between Structure and Union.
8. Explain the file pointer with syntax.

**SECTION -B**

**II. Answer ALL the following Questions.**

**5X8=40M**

9. Explain different operators available in C.

**(OR)**

10. Explain the Structure of C.

11. Explain different looping statements.

**(OR)**

12. Define function? Explain the procedure to create user defined function.

13. Write a program for Matrix Multiplication.

**(OR)**

14. Write different String functions.

15. Write a procedure to create structure.

**(OR)**

16. Explain Read and print array using pointers.

17. Explain different file handling function in 'C'.

**(OR)**

18. Write a program to create a file.

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<b>KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)</b>	
<b>I – SEMESTER END EXAMINATIONS</b>	
Class : I BCA/B.Sc(MPCS,MECS,MSCS,MCCS,DS & IOT)	Max Marks : 75
Subject : Computer Science	Pass Mark : 30
Title of Paper : <b>Programming with 'C'</b>	Duration : 3Hrs
Paper Code : R20BCA102/R20CSC101	Time : 2 pm – 5 pm
W.E.F : 2020-21	Date : 26-12-2024

**SECTION-A**

**I. Answer any FIVE of the following questions**

**5X5=25M**

1. Define Algorithm? Write a Simple algorithm for arithmetic operations?
2. Explain while loop with an example program?
3. Explain three categories of function prototype?
4. Explain Two dimensional array with an example?
5. Write a C program to check whether the given string is palindrome or not?
6. Write the differences between Structure and Array in C?
7. What is pointer? How to declare a pointer with example
8. Define file? Write a C program to create a file?

**SECTION - B**

**II. Answer ALL of the following questions?**

**5X10=50M**

9. Explain the data types in c with example?  
(OR)
10. Explain in detail about operators in C?
11. Explain about looping / iterative statements in C with syntax and example?  
(OR)
12. Explain the difference between call by value and call by reference with example?
13. Define Array? Explain in detail about types of Arrays with example?  
(OR)
14. Explain string functions with an example?
15. Define structure? Explain array of structures with examples?  
(OR)
16. Define Pointer? How will you pass a pointer to a function explain with example?
17. Discuss about various file handling functions?  
(OR)
18. Explain different modes of opening a file?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class	: I BCA	Max Marks	: 75
Subject	: Computer Science	Pass Mark	: 30
Title of Paper	: Computer Fundamentals & Office Tools	Duration	: 3Hrs
Paper Code	: R20BCA101	Time	: 2pm - 5pm
W.E.F	: 2022-23	Date	: 23-12-2024

**SECTION-A**

**I. Answer any FIVE of the following Questions**

**5X5=25M**

1. Explain about mass storage devices.
2. Explain about computer languages.
3. Explain about process management.
4. Write about any five shortcut keys in MS-Word.
5. Explain about MailMerge in MS-Word.
6. Explain the features of MS-Excel.
7. Write about spread sheets and formating worksheets in MS-Excel.
8. What are the templates and how to use templates.

**SECTION-B**

**II. Answer ALL the following Questions**

**5X10=50M**

9. What is memory and explain secondary storage devices .

**(OR)**

10. Draw and explain the block diagram of computer.

11. Define Operating System and explain functions of operating system.

**(OR)**

12. Define software. Write about various types of software.

13. Explain features of MS-Word. Draw and explain the components of MS-Word window.

**(OR)**

14. Write the procedure of Mail Merge.

15. Explain different types of functions available in Excel.

**(OR)**

16. Explain about cell reference techniques.

17. Explain procedure to create power point presentation.

**(OR)**

18. Explain slide animation and transition in power point.



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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class : IBCA

Max Marks : 60

Subject : Computer Science

Pass Mark : 24

Title of Paper : Computer Fundamentals & Office Tools

Duration : 3Hrs

Paper Code : R20BCA101A

Time : 2pm - 5pm

W.E.F : 2022-23

Date : 23-12-2024

**SECTION-A**

**I . Answer any FIVE of the following Questions**

**5X4=20M**

1. Discuss about the evaluation of computers?
2. What are the characteristics of good programming language?
3. Explain the process management of Operating System?
4. Discuss about changing cases and Bullets and numbering in MS-Word?
5. Explain Macros in MS-Word?
6. Explain about Adding, deleting rows and columns and Filling the series in MS-Excel?
7. Explain find and replacing options in MS-Excel?
- 8 . Discuss about changing the background and shading in power point?

**SECTION-B**

**II. Answer ALL the following Questions**

**5X8=40M**

9. Explain about generations of Computers?

**(OR)**

10. Discuss about different essential units for computer organization?

11. Define Operating System and explain different functions of Operating System?

**(OR)**

12. Explain in detail about Logical Systems Architecture, Software Engineering?

13. Explain the features and components of MS-Word?

**(OR)**

14. Explain the step by step procedure of Mail Merge in MS-Word?

15. Explain about types, creation of charts in MS-Excel?

**(OR)**

16. Explain about different types of functions available in MS-Excel?

17. Explain about i) Features of Power Point ii) Uses of Power Point

iii) Components of Slides

iv) Templates and Wizards in Power Point

**(OR)**

18. Explain slide animation and transition in power point?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Sc Honours (Computer Science, Ele, Stat, Che, DS, AI)

Max Marks : 60

Subject : Computer Science & Mathematics

Pass Mark : 24

Title of Paper : **Essentials, Advances and Applications of Mathematical & Computer Sciences**

Duration : 3 Hrs

Paper Code : R23BSC101A

Time : 2 pm - 5 pm

W.E.F : 2024-25

Date : 21-12-2024

**SECTION-A (MATHEMATICS)**

**I. Answer Five Questions Choosing at least two Questions from each Section**

**5X12=60M**

1. If the points whose position vectors are  $3\vec{i}-2\vec{j}-\vec{k}$ ,  $2\vec{i}+3\vec{j}-4\vec{k}$ ,  $-\vec{i}+\vec{j}+2\vec{k}$ ,  $4\vec{i}+5\vec{j}+\lambda\vec{k}$  are

coplanar then show that  $\lambda = \frac{-146}{17}$

2. Let ABCDEF be a regular hexagon with centre 'O' then show that  $\vec{AB} + \vec{AC} + \vec{AD} + \vec{AE} + \vec{AF} =$

$$3\vec{AD} = 6\vec{AO}$$

3. Find the derivative of  $\frac{x^4}{x^2-3}$  ii. Find the derivative of  $e^x(x^2 + 1)$

4. Show that  $\begin{vmatrix} 1 & a & a^2 \\ 1 & b & b^2 \\ 1 & c & c^2 \end{vmatrix} = (a-b)(b-c)(c-a)$

**SECTION-B (COMPUTER SCIENCE)**

5. Explain about Cryptography.

6. Explain about Firewall.

7. Explain about Types of Number System.

8. Explain about types of Signals.

9. Explain about Formatting Tags

10. Explain about <form> Tag in HTML with example.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I BCA Honours  
Subject : Computer Science  
Title of Paper : UI With HTML And CSS  
Paper Code : R23BCA101  
W.E.F : 2024-25

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2pm - 5pm  
Date : 21-12-2024

**SECTION-A**

**I. Answer any FIVE of the following Questions**

**5X4=20M**

1. Explain the structure of HTML with example.
2. Explain how to add image to webpage using hyperlinks with example.
3. Explain HTML 5.
4. Explain about Meta tags.
5. Explain about Text Formatting using CSS.
6. Explain CSS Grid.
7. Explain CSS Pre Processor.
8. Explain cross browser compatibility testing.

**SECTION-B**

**II. Answer ALL the following Questions**

**5X8=40M**

9. Explain about Text formatting Tags with example.  
(OR)
10. Explain about Table related tags and its attributes.
11. Explain importance of semantics in SEO accessibility.  
(OR)
12. Explain about HTML 5 API.
13. What is CSS? Explain its types with examples.  
(OR)
14. Explain about CSS Flex box.
15. Explain the principles of responsive Design.  
(OR)
16. Explain CSS transitions and animations.
17. Explain wire framing and proto type tools.  
(OR)
18. Explain building the website structure using HTML.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class	: I B.Com(Gen,TP,Log),BBA,MPC,CBZ	Max Marks	: 50
Subject	: Computers	Pass Mark	: 20
Title of Paper	: Computer Applications	Duration	: 2Hrs
Paper Code	: R20LSC101	Time	: 2pm - 4pm
W.E.F	: 2022-23	Date	: 16-12-2024

**SECTION-A**

**I. Answer any FOUR of the following Questions**

**4X5=20M**

1. Explain about Task Bar
2. Explain about My Computer
3. Explain about different memories
4. Explain the features of MS-Word
5. How to insert Header and Footer in MS-Word
6. Write the procedure to print a document in MS-Word
7. Write steps to set the slide numbers in Power point
8. Explain about find and replace options

**SECTION-B**

**II. Answer any THREE Of the following Questions**

**3X10=30M**

9. Define a computer and explain the characteristics of a computer in detail?
10. Explain about different generations of a computer?
11. Write the procedure for Mail Merge in Ms-Word
12. Explain the slide animation and transitions in power point?
13. Explain the types of charts in MS-Excel.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class	: I B.Com,BBA,BCA,B.Voc,B.Sc,BA Honours	Max Marks	: 50
Subject	: English	Pass Mark	: 20
Title of Paper	: <b>Communication Skills</b>	Duration	: 2Hrs
Paper Code	: R23SDP102	Time	: 2 pm - 4 pm
W.E.F	: 2023-24	Date	: 16-12-2024

**SECTION-A****I. Answer any THREE Questions from the following****3X5=15M**

1. What is communication?
2. Do's and don'ts in an Interview.
3. *What is Group Discussion.*
4. Strategies for effective communication
5. Preparation of a good presentation

**SECTION-B****II. Answer any FIVE Questions from the following****5X7=35M**

6. Nature and importance of communication.
7. Barriers to effective communication
8. Verbal communication in presentation
9. Interview and its types
10. Principles of communication
11. Non-verbal communication in presentation
12. Visual aids/Materials in presentation
13. Structure and process of Group Discussions

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class : I B.Sc (MPC, MPCS)  
Subject : Physics  
Title of Paper : Mechanics, Waves And Oscillations  
Paper Code : R20PHY101  
W.E.F : 2021-22

Max Marks : 75  
Pass Mark : 30  
Duration : 3 Hrs  
Time : 2 pm - 5 pm  
Date : 23-12-2024

**SECTION-A**

**I. Answer ALL the following Questions**

**5X10=50M**

1. Derive an expression for the final velocity of the rocket at any instant.  
(OR)
2. Define rigid body. Derive Euler's equations of a rigid body rotating about a fixed point.
3. What is central force? Give two examples. Show that central force is conservative force.  
(OR)
4. State Kepler's laws of planetary motion. Prove Kepler's second law and third law.
5. Describe the Michelson – Morley Experiment with a neat diagram.  
(OR)
6. State the postulates of special theory of relativity. Derive Lorentz transformation equations.
7. Derive the equation of motion of simple harmonic oscillator and obtain its solution.  
(OR)
8. Derive an expression for normal mode frequencies of 2-coupled oscillators.
9. Derive an expression for the velocity of transverse wave along a stretched string.  
(OR)
10. What are ultrasonics? Describe piezoelectric effect method for the production of ultrasonics.

**SECTION-B**

**II. Answer any THREE of the following Questions**

**3X5=15M**

11. Explain impact parameter and scattering cross section.
12. Explain briefly about Global Positioning System.
13. What is Logarithmic decrement? Derive an expression for it.
14. Explain length contraction.
15. Write the applications of ultrasonics.

**[P.T.O]**

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**SECTION-C**

**III. Answer any TWO of the following Questions**

**2X5=10M**

16. An empty rocket weights 6000kg and contains 44000kg of fuel. If the exhaust velocity of gases is 1km/sec. find the maximum velocity attained by the rocket.
17. If the earth be one-half of its present distance from the sun, then what will be the number of days in a year?
18. The mean life of a meson is  $2 \times 10^{-8}$ sec. calculate the mean life of a meson moving with the velocity of  $0.8c$ .
19. The frequency of a tuning fork is 300 Hz. If the its quality factor  $Q$  is  $5 \times 10^4$ , find the time after which its energy becomes  $(1/10)$  of its initial value.
20. Calculate the fundamental frequency of a quartz crystal of thickness. 0.001m.  
(Given  $Y = 7.9 \times 10^{10}$  N/m<sup>2</sup>, and  $\rho = 2650$  kg/m<sup>3</sup>)

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Sc (MPC, MPCS)  
Subject : Physics  
Title of Paper : Electrical Appliances  
Paper Code : R20SDC101  
W.E.F : 2022-23

Max Marks : 50  
Pass Mark : 20  
Duration : 2 Hrs  
Time : 2 pm - 4 pm  
Date : 17-12-2024

**SECTION-A**

**I. Answer any FOUR of the following Questions**

**4X5=20M**

1. Explain the terms Voltage and Current
2. Explain Kilowatt hour (KWH) and consumption of electrical power
3. Explain the terms Electric shock and short circuiting
4. Explain RMS and peak values.
5. Write a short note on MCB
6. Explain the principle and working of Electric fan
7. Explain various parts of Induction Heater.
8. Write a short note on IS codes and IE codes.

**SECTION-B**

**II. Answer any THREE of the following Questions**

**3X10=30M**

9. Explain Series and Parallel combination of resistance
10. Explain the principle and working of Ammeter and Voltmeter.
11. Explain Single phase and Three phase connections.
12. Explain Star and Delta connections.
13. Explain the principle of working parts and servicing of refrigerator.
14. Explain the concept of Electric bulbs, CFL, LED lights.



Room No: \_\_\_\_\_

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class : I B.Sc(MPC,MCCS,CBZ)  
Subject : Chemistry  
Title of Paper : Inorganic & Physical Chemistry  
Paper Code : R20CHE101A  
W.E.F : 2020-21

Max Marks : 60  
Pass Mark : 24  
Duration : 3Hrs  
Time : 2pm - 5pm  
Date : 27-12-2024

**SECTION-A**

**I . Answer any FIVE of the following Questions**

**5X4=20M**

1. Explain the structure of Borazine.
2. Write the uses of silicones.
3. Explain Lanthanide contraction.
4. Write free electron theory in detail.
5. Define space lattice and lattice point.
6. Write the applications of liquid crystals.
7. What are Azeotropes?
8. Write a note on VantHoff factor.

**SECTION-B**

**II. Answer ALL the following Questions**

**5X8=40M**

9. Explain the preparation of Diborane and discuss its structure.

**(OR)**

10. Explain the structures of AX<sub>3</sub> and AX<sub>5</sub> inter halogen compounds.

11. Explain the Variable valency and magnetic properties of d-block elements.

**(OR)**

12. Explain conductors, semi-conductors and insulators using Band theory of solids.

13. Write an essay on Crystal defects.

**(OR)**

14. What is Bragg's law? Explain the determination of crystal structure by powdered crystal method.

15. Write the classification of liquid crystals.

**(OR)**

16. Explain Joule Thomson effect and Inversion Temperature.

17. Explain Nernst Distribution law and give its applications.

**(OR)**

18. What are Colligative properties? Write experimental methods for the determination of molar mass of non-volatile solute by using elevation of boiling point.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

58

Class : I B.Sc(MPC, MSCS, CBZ)  
Subject : Chemistry  
Title of Paper : Inorganic & Physical Chemistry  
Paper Code : R20CHE101  
W.E.F : 2022-23

Max Marks : 75  
Pass Mark : 30  
Duration : 3Hrs  
Time : 2 pm - 5 pm  
Date : 27-12-2024

**SECTION-A**

**I. Answer any FIVE of the following Questions**

**5X5=25M**

1. Explain the structure of Diborane.
2. Write the uses of silicones.
3. Explain Lanthanide contraction.
4. Explain Valence bond theory in detail.
5. Write various types of unit cells.
6. Write a note on Miller indices.
7. Write the applications of liquid crystals.
8. Explain Solubility product.

**SECTION-B**

**II. Answer ALL the following Questions**

**5X10=50M**

9. Write the structures of various oxyacids of Sulphur.  
(OR)
10. Explain the structures of AX<sub>3</sub> and AX<sub>5</sub> inter halogen compounds.
11. Explain the catalytic and magnetic properties of d-block elements.  
(OR)
12. Explain conductors, semi-conductors and insulators using Band theory of solids.
13. Write an essay on Crystal defects.  
(OR)
14. What is Bragg's law? Explain the determination of crystal structure by powdered crystal method.
15. Derive relationship in between critical constants and Vaanderwaal's Constants.  
(OR)
16. Explain Joule Thomson effect and Inversion Temperature.
17. Explain Nernst Distribution law and give its applications.  
(OR)
18. What are Colligative properties? Write experimental methods for the determination of molar mass of non-volatile solute by using elevation of boiling point and depression in freezing point.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

59

Class : I B.Sc Hon (Phy, Mat, CS, Ele, Stat, Che, DS, AI)

Max Marks : 60

Subject : Mathematics/Physics/Chemistry/Computers

Pass Mark : 24

Title of Paper : **Advances in Mathematical , Physical and Chemical Sciences**

Duration : 3 Hrs

Paper Code : R23BSC102

Time : 2 pm - 5 pm

W.E.F : 2024-25

Date : 23-12-2024

**I. Answer ALL the following Questions**

**4X15=60M**

**SECTION-A (MATHEMATICS)**

1. If  $\begin{vmatrix} a & a^2 & 1+a^3 \\ b & b^2 & 1+b^3 \\ c & c^2 & 1+c^3 \end{vmatrix} = 0$  and  $\begin{vmatrix} a & a^2 & 1 \\ b & b^2 & 1 \\ c & c^2 & 1 \end{vmatrix} \neq 0$  then show that  $abc = -1$

**(OR)**

2. Prove that  $\sin\theta \sin(60^\circ + \theta) \sin(60^\circ - \theta) = \frac{1}{4} \sin 3\theta$  and hence deduce that  $\sin\frac{\pi}{9} \sin\frac{2\pi}{9} \sin\frac{3\pi}{9} \sin\frac{4\pi}{9} = \frac{3}{16}$

**SECTION-B (PHYSICS)**

3. Explain why quantum dots are so special and write their applications.

**(OR)**

4. Discuss in details about the storage of renewable energy.

**SECTION-C (CHEMISTRY)**

5. Write a note on dye removal by using catalysis method.

**(OR)**

6. What are Nano Sensors and write their applications.

**SECTION-D (COMPUTERS)**

7. Explain briefly about Transmission Media.

**(OR)**

8. What is Number System? Explain different types of Number System.

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<b>KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)</b>	
<b>I - SEMESTER END EXAMINATIONS</b>	
Class : I B.Sc Honours (Computer Science, Ele, Stat, Che, DS, AI)	Max Marks : 60
Subject : Physics & Chemistry	Pass Mark : 24
Title of Paper : <b>Essentials, Advances and Applications of Physical &amp; Chemical Sciences</b>	Duration : 3 Hrs
Paper Code : R23BSC102A	Time : 2pm - 5pm
W.E.F : 2024-25	Date : 23-12-2024

**SECTION-A (PHYSICS)**

**I. Answer Five Questions Choosing at least two Questions from each Section**

**5X12=60M**

1. Explain briefly about Newtonian mechanics and relativistic Mechanics.
2. State and explain laws of thermodynamics.
3. Explain why quantum dots are so special and write their applications.
4. Define Renewable energy and Non-Renewable energy. Explain about various renewable energy sources.
5. Discuss the applications of Biophysics in Biophysical Imaging, Biomechanics and Neurophysics

**SECTION-B (CHEMISTRY)**

6. Describe the importance of chemistry in our daily life.
7. Write the various branches of chemistry and their Significance.
8. What is Computer based drug discovery.
9. Explain the effect of pollutants on ecosystem.
10. Describe the applications of Chemistry in Chemical manufacturing

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Com, BBA, BA, BCA Honours

Max Marks : 50

Subject : Chemistry

Pass Mark : 20

Title of Paper : Principles of Chemical Sciences

Duration : 2 Hrs

Paper Code : R23MDP102

Time : 2 pm - 4 pm

W.E.F : 2023-24

Date : 18-12-2024

**SECTION-A**

**I. Answer any FOUR of the following Questions**

**4X5=20M**

1. Define Aufbau Principle and Pauli's exclusion principle.
2. Explain Radioactive decay?
3. Define Electronegativity and its trends.
4. Explain octet rule with suitable examples?
5. Explain the Strength of acids and bases?
6. Explain types of acids with suitable examples?

**SECTION-B**

**II. Answer any THREE of the following Questions**

**3X10=30M**

7. Discuss the applications of nuclear chemistry?
8. Discuss Rutherford atomic model including limitations?
9. Describe classification of elements based on electronic configuration?
10. Explain Ionic bond and discuss the Properties of Ionic compounds?
11. Summarise the importance of chemistry in daily life?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I BA Hon (Political Science)  
Subject : Political Science  
Title of Paper : **Perspectives on Indian Society**  
Paper Code : R23PS102  
W.E.F : 2023-24

Max Marks : 60  
Pass Mark : 24  
Duration : 3 Hrs  
Time : 2pm-5pm  
Date : 23-12-2024

**I. Answer ALL the following Questions**

**5X12=60M**

**SECTION-A (POLITICS)**

1. Write a note on Men in society.

**(OR)**

2. Explain about Social Groups and Social Dynamics.

3. Explain about Indian Dance, Music and YOGA.

**(OR)**

4. What are the different types of tourism

5. What are the Elements of Indian Constitution?

**(OR)**

6. Give a detail note on Philosophy of the Indian Constitution.

7. Explain about Commercial Banks.

**(OR)**

8. What are the functions of R.B.I

**SECTION-B (COMPUTERS)**

9. Discuss E-MAIL Advantages and Disadvantages.

**(OR)**

10. Explain the Impact of Computer on Human behaviour.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I – SEMESTER END EXAMINATIONS**

Class : I BA Honours (Political Science)

Max Marks : 60

Subject : Political Science

Pass Mark : 24

Title of Paper : **Perspectives on Indian Society**

Duration : 3 Hrs

Paper Code : R23PS102A

Time : 2 pm - 5 pm

W.E.F : 2024-25

Date : 23-12-2024

**SECTION-A**

**I. Answer Five Questions Choosing at least two Questions from each Section**

**5X12=60M**

1. What are some popular cultural heritage sites in India that tourists frequently visit?
2. What were some significant events that marked the rise of nationalism in India from 1857-1947?
3. What are the fundamental elements of the Indian Constitution?
4. What are the fundamental rights of Indian Constitution?
5. Discuss about nature and scope of history.
6. Discuss about chronology of Indian history.

**SECTION-B**

7. Discuss about political system-organs of state
8. Different between micro and macroeconomics.
9. What is the role of the reserve bank of India in Indian economy?
10. What are the main features of the Indian economy?

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Sc (Microbiology , BioTechnology) Max Marks : 60

Subject : Microbiology/Biochemistry/BioTechnology/Computers

Pass Mark : 24

Title of Paper : Introduction to Applied Biology

Duration : 3 Hrs

Paper Code : R23BM102

Time : 2pm - 5pm

W.E.F : 2023-24

Date : 23-12-2024

**I. Answer ALL the following Questions**

**5X12=60M**

**SECTION-A (MICROBIOLOGY)**

1. Define immunity and write about the types of immunity.

**(OR)**

2. Write an essay on cells and organs of immune system?

**SECTION-B (BIOCHEMISTRY)**

3. Give and account on carbohydrates.

**(OR)**

4. Discuss the structure of DNA and RNA.

**SECTION-C (BIOTECHNOLOGY)**

5. Write about Genetic Engineering with emphasis on Restriction enzymes and Cloning vectors?

**(OR)**

6. Write about Bio fertilizers and Bio pesticides and mention few applications of biotechnology in pharmaceutical sciences.

7. Explain in detail Immunoblotting and ELISA technique.

**(OR)**

8. What is DNA fingerprinting? How is it used to identify individuals? Explain the methodology?

**SECTION-D (COMPUTERS)**

9. Write about Genomics and Proteomics?

**(OR)**

10. Explain about NCBI Genome Workbench.



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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.Sc Hon (Phy, Mat, CS, Ele, Stat, Che, DS, AI)

Max Marks : 60

Subject : Mathematics/Chemistry/Physics/Computers

Pass Mark : 24

Title of Paper : **Essentials and Applications of Mathematical , Physical & Chemical Sciences**

Duration : 3 Hrs

Paper Code : R23BSC101

Time : 2pm - 5pm

W.E.F : 2023-24

Date : 21-12-2024

**I. Answer ALL the following Questions**

**4X15=60M**

**SECTION-A (MATHEMATICS)**

1. Find the mean of the following distribution

No. of fruits	60-62	63-65	66-68	69-71	72-74
No. of bushes	15	118	142	127	18

**(OR)**

2. Find the Median of 11,15,16,14,11,13,12,14,15,16.

**SECTION-B (CHEMISTRY)**

3. Describe the importance of chemistry in daily life.

**(OR)**

4. Write a note on periodic table.

**SECTION-C (PHYSICS)**

5. State and explain laws of thermodynamics.

**(OR)**

6. Discuss the behaviour of atomic and nuclear particles.

**SECTION-D (COMPUTERS)**

7. What is a Network? Explain types of Networks.

**(OR)**

8. Explain Milestones of Computer.

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I B.Sc (MSCS/DS)  
 Subject : Statistics  
 Title of Paper : Descriptive Statistics  
 Paper Code : R20STAT101A/R20DSSTAT101A  
 W.E.F : 2022-23

Max Marks : 60  
 Pass Mark : 24  
 Duration : 3 Hrs  
 Time : 2pm - 5pm  
 Date : 23-12-2024

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

1. Explain Importance of statistics
2. Explain about the Measures of Kurtosis
3. Explain central and non-central moments
4. Define Correlation and also explain its types
5. Explain Legendre's principle of least squares
6. Define partial and multiple correlations.
7. Define the Order of class and class frequencies
8. Explain Relation between class frequencies

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

9. Explain the various measures of central tendency. What are their Merits and De-merits?

**(OR)**

10. Calculate Mean to the following data

Marks	10-20	20-30	30-40	40-50	50-60
Frequency	5	8	25	22	10

11. Explain what is skewness with measures of skewness?

**(OR)**

12. Find the Karlpearson coefficient of skewness to the following data?

C.I	0-2	2-4	4-6	6-8	8-10	10-12	12-14
Frequency	6	8	17	21	15	11	2

13. Fit a Second degree parabola to the following data.

X	1	2	3	4	6	8
Y	2.4	3	3.6	4	5	6

**(OR)**

14. Calculate correlation coefficient for the following data

X	65	66	67	67	68	69	70	72
Y	67	68	65	68	72	72	69	71

**[P.T.O]**

15. Find the Regression lines from the following data.

X	1	2	3	4	5
Y	11	20	17	25	27

(OR)

16. Derive the Regression equation of Y on X.

17. Explain the Criteria for Consistency of attributes.

(OR)

18. Find the following data is Consistent (or) NOT.  $N=1000$ ,  $(A)= 575$ ,  $(B)= 312$ ,  $(C)= 470$ ,  $(AB)= 42$ ,  $(BC)= 86$ ,  $(AC)= 147$ ,  $(ABC)= 25$ .

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I BCA

Max Marks : 75

Subject : Computer Applications

Pass Mark : 30

Title of Paper : **Numerical and Statistical Methods** Duration : 3Hrs

Paper Code : R20CMAT101

Time : 2pm - 5pm

W.E.F : 2020-21

Date : 21-12-2024

**SECTION-A****I. Answer any FIVE of the following****5X5=25M**

1. Find a cube root of the equation  $x^3 - 9x + 1 = 0$  by Regula - Falsi method.
2. Use Newton - Raphson method, establish the iterative formula  $x_{n+1} = \frac{1}{3}(2x_n + \frac{N}{x_n^2})$  to calculate the cube root of N.
3. Solve the equations  $6x+3y+2z=6$ ,  $6x+4y+3z=0$ ,  $20x+15y+12z=0$  by Gauss elimination method.
4. Solve the equation  $10x_1 + x_2 + x_3 = 6$ ,  $x_1 + 10x_2 + x_3 = 6$ ,  $x_1 + x_2 + 10 = 6$  by Gauss Seidel method.
5. Compute  $f(1.1)$  from the following data

x	1	2	3	4	5
f(x)	7	12	29	64	123

6. Using the following table compute  $\frac{dy}{dx}$  at  $x = 1$

X	1	2	3	4	5	6
Y	1	8	27	64	125	216

7. Explain the measure of Skewness.
8. State and prove Multiplication theorem on probability.

**SECTION-B****II. Answer ALL of the following questions.****5X10=50M**

9. Find a real root of the equation  $x^3 - x - 11 = 0$  by Bisection method.

**(OR)**

10. Find a real root of the equation  $x^2 - 5x + 2 = 0$  by Newton-Raphson method.

11. Solve the equations  $2x + y + z = 2$ ,  $x + 3y + 2z = 2$ ,  $3x + y + 2z = 2$  by L U decomposition method.

**(OR)****[P.T.O]**

12. Find the characteristic roots and the vectors of the matrix  $\begin{bmatrix} 6 & -2 & 2 \\ -2 & 3 & -1 \\ 2 & -1 & 3 \end{bmatrix}$ .

13. The population of a country in the censuses are given. Estimate the population for the year 1895.

Year(x)	1891	1901	1911	1921	1931
Population(y)	46	66	81	93	101

(OR)

14. Find  $f(7.5)$  by Newton Backward formula from the table

X	1	2	3	4	5	6	7	8
F(X)	1	8	27	64	125	216	343	512

15. Calculate Skewness of the following data.

C.I	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
F	8	14	17	22	23	19	18	11

(OR)

16. Marks of 20 students in statistics and mathematics are given below find rank correlation coefficient them.

X	58	64	65	55	44	80	65	75	40	55	64	55
Y	52	48	45	62	45	68	62	82	44	45	74	62

17. State and prove Baye's theorem.

(OR)

18. The probabilities of three events A, B, C are such that  $P(A) = 0.3$ ,  $P(B) = 0.4$ ,  $P(C) = 0.8$ ,  $P(A \cap B) = 0.08$ ,  $P(A \cap C) = 0.28$ ,  $P(A \cap B \cap C) = 0.09$  and  $P(A \cup B \cup C) = 0.75$ . Show that  $P(B \cap C)$  lies in the interval  $[0.23, 0.48]$ .

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**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)**

**I - SEMESTER END EXAMINATIONS**

Class : I B.SC(IOT)  
Subject : Mathematics  
Title of Paper : Numerical Methods  
Paper Code : R20IOTMAT101  
W.E.F : 2020-21

Max Marks : 75  
Pass Mark : 30  
Duration : 3Hrs  
Time : 2 pm - 5 pm  
Date : 21-12-2024

**SECTION-A**

**I. Answer any FIVE of the following Questions**

**5X5=25M**

1. Define Absolute, Relative and Percentage errors.
2. Find the percentage error if 625.483 is approximated to 3 significant figures.
3. Find the root of the equation  $x \log_{10} x = 1.2$  using false position method.
4. Find the real root of the equation  $x^2 - 5x + 2 = 0$  by Newtons-Raphson's method.
5. Find the missing term in the following data.

X	0	1	2	3	4
Y	1	3	9	-	81

6. Prove that

- b)  $\Delta = E - 1$
- c)  $\nabla = 1 - E^{-1}$
- d)  $E = e^{hD}$

7. Use Gauss backward interpolation formula to find  $f(32)$  given that  $f(25)=0.2707$ ,  $f(30)=0.3027$ ,  $f(35)=0.3386$ ,  $f(40)=0.3794$ .

8. Find the third divided difference with arguments 2,4,9,10 of the function  $f(x) = x^3 - 2x$ .

**SECTION-B**

**II. Answer ALL the following Questions**

**5X10=50M**

9. If  $y = 4x^6 - 5x$ , find the percentage error in  $y$  at  $x = 1$ , if the error in  $x$  is 0.04

**(OR)**

10. If  $R = \frac{4x^2y^3}{z^4}$  and errors in  $x, y, z$  be 0.001 show that the maximum relative error at  $x = y = z = 1$  is 0.009

11. Find a root of the equation  $x^3 - 5x + 1 = 0$  using the bisection method in 5 stages.

**(OR)**

12. Find the root of  $x^3 + x - 1 = 0$  by iteration method, given that root lies near 1.

13. a) Show that

- i)  $\Delta \nabla = \delta^2 = \Delta - \nabla$
- ii)  $\mu^2 = 1 + \frac{\delta^2}{4}$
- iii)  $E \nabla = \Delta = \nabla E$

**[P.T.O]**

(OR)

14. The following table gives a set of values of  $x$  and the corresponding values of  $y = f(x)$

X	10	15	20	25	30	35
Y	19.97	21.51	22.47	23.52	24.65	25.89

Form the forward difference table and write down the values  $\Delta f(0), \Delta^2 f(10), \Delta^3 f(15), \Delta^4 f(15)$ .

15. State and prove Newton-Gregory formula for forward interpolation with equal intervals.

(OR)

16. Given  $y_{20} = 24, y_{24} = 32, y_{28} = 35, y_{32} = 40$  find  $y_{25}$  by Bessel's formula.

17. State and prove Lagrange's interpolation theorem.

(OR)

18. State and prove Newton divided difference formula.

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<b>KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)</b>	
<b>I – SEMESTER END EXAMINATIONS</b>	
Class : I B.Sc(MPCS, MSCS, MECS, MCCS)	Max Marks : 60
Subject : Mathematics	Pass Mark : 24
Title of Paper : Differential Equations	Duration : 3Hrs
Paper Code : R20MAT101A	Time : 2 pm – 5 pm
W.E.F : 2022-23	Date : 21-12-2024

**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  $x \, dy - y \, dx = xy^2 \, dx$
3. Solve  $x + yp^2 = (1 + xy)p$
4. Solve  $(y - xp)(p - 1) = p$
5. Solve  $\frac{d^3y}{dx^3} + 6\frac{d^2y}{dx^2} + 11\frac{dy}{dx} + 6y = 0$
6. Solve  $(D^3 - 7D + 6)y = e^{2x}$
7. Solve  $(D^2 - 3D + 2)y = 2x^2$
8. Solve  $(3x^2D^2 + xD + 1)y = x$

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

9. Solve  $x \frac{dy}{dx} + 2y = x^2 \log x$

**(OR)**

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

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

**(OR)**

12. Solve  $y = 2px - p^2$

13. Solve  $(D^2 - 3D + 2)y = \cosh x$

**(OR)**

14. Solve  $\frac{d^3y}{dx^3} - 3\frac{dy}{dx} - 2y = 0$

15. Solve  $\frac{d^2y}{dx^2} - 6\frac{dy}{dx} + 13y = 8e^{3x} \sin 2x$

**(OR)**

16.  $(D^2 - 2D + 1)y = x^2 e^{3x}$

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

**(OR)**

18. Solve  $(x^2D^2 - 3xD + 4)y = 2x^2$



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Regd No: \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I - SEMESTER END EXAMINATIONS**

Class : I BCA  
 Subject : Mathematics  
 Title of Paper : Numerical And Statistical Methods  
 Paper Code : R20CMAT101A  
 W.E.F : 2022-23

Max Marks : 60  
 Pass Mark : 24  
 Duration : 3 Hrs  
 Time : 2 pm - 5 pm  
 Date : 21-12-2024

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

1. Find a real root of the equation  $x^3 + x^2 - 1 = 0$  by the Iteration method.
2. Find a root of the equation  $x^2 - 4x - 10 = 0$  using Bisection method.
3. Solve the equation  $6x + 3y + 2z = 6$ ,  $6x + 4y + 3z = 0$ ,  $20x + 15y + 12z = 0$  by Gauss Elimination method.

4. Find the Eigen values of the matrix  $\begin{pmatrix} 0 & 1 & 2 \\ 1 & 0 & -1 \\ 0 & -1 & 1 \end{pmatrix}$

5. Evaluate  $\int_0^4 e^x dx$  by Simpson's 1/3 rule.

6. Compute  $f(1.1)$  from the data by using Newton's forward formula.

X	1	2	3	4	5
F(x)	7	12	9	4	28

7. Explain the measures of Skewness.
8. State and prove Multiplication theorem on Probability.

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

9. Find a real root of the equation  $f(x) = x^3 - 2x - 5 = 0$  by Regula-Falsi method.

**(OR)**

10. Find the cube root of 12 by Newton's Raphson method.

11. Solve  $2x + y + z = 10$ ,  $3x + 2y + 3z = 18$ ,  $x + 4y + 9z = 16$  by Gauss Jordan method.

**(OR)**

12. Solve the equations  $2x + y + z = 2$ ,  $x + 3y + 2z = 2$ ,  $3x + y + 2z = 2$  by L.U. Decomposition method.

13. Find  $f(7.5)$  by Newton's Backward formula from the table.

X	1	2	3	4	5	6	7	8
F(x)	1	8	27	64	125	216	343	512

**(OR)**

14. Find the value of  $\int_0^1 \frac{1}{1+x^2} dx$  by Simpson's 1/3 and 3/8 rule and hence obtain the approximate value of  $\pi$  in each case.

**[P.T.O]**

15. Calculate mean and median of the following data.

C.I	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
F	8	14	17	22	23	19	18	11

(OR)

16. Find the Correlation coefficient to the following data.

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

17. State and prove Baye's theorem.

(OR)

18. A, B, C are three horses in a race. The probability of A to win the race is twice that of B and probability of B is twice that of C. What are the probability of A, B, C to win the race.

Room No: \_\_\_\_\_

Regd No \_\_\_\_\_

**KAKARAPARTI BHAVANARAYANA COLLEGE (AUTONOMOUS)****I – SEMESTER END EXAMINATIONS**

Class	: I B.Sc(MPCS,MECS,MSCS,MCCS)	Max Marks	: 75
Subject	: Mathematics	Pass Mark	: 30
Title of Paper	: Differential Equations	Duration	: 3Hrs
Paper Code	: R20MAT101	Time	: 2 pm - 5 pm
W.E.F	: 2022-23	Date	: 21-12-2024

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

1. Solve  $\frac{dy}{dx} + \frac{ax+hy+g}{hx+by+f} = 0$ .
2. Solve  $x \frac{dy}{dx} + 2y = x^2 \log x$ .
3. Solve  $(py + x)(px - y) = 2p$ .
4. Solve  $p^2 - 5p + 6 = 0$ .
5. Solve  $D^4 - 4D^3 + 6D^2 - 4D + 1 = 0$ .
6. Solve  $(D^2 + 4D + 4)y = x^3$ .
7. Find the Particular integral of  $\frac{1}{(D-2)(D-3)} e^{2x}$ .
8. Solve  $[(1+x)^2 D^2 + (1+x)D + 1]y = 4 \cos \log(1+x)$ .

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

9.  $x \frac{dy}{dx} + y = y^2 \log x$ .

**(OR)**

10. Solve  $x^2 y dx - (x^3 + y^3) dy = 0$

11. Solve  $y + px = p^2 x^4$

**(OR)**12. Find the orthogonal trajectories of the family of curve  $r = a(1 - \cos \theta)$ . Where 'a' is a parameter.

13. Solve  $\frac{d^2 y}{dx^2} + 4y = e^x + \sin 2x + \cos 2x$ .

**(OR)**

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

15. Solve  $(D^4 + 2D^2 + 1)y = x^2 \cos x$ .

**(OR)**

16. Solve  $\frac{d^2 y}{dx^2} - 6 \frac{dy}{dx} + 13y = 8e^{3x} \sin 2x$ .

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

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