



Office of the Director
CENTRE FOR DISTANCE AND ONLINE EDUCATION
(Formerly School of Distance Learning and Continuing Education)
Kakatiya University (NAAC A+ Grade)
Warangal-506 009.

B.A./B.Com (General & Computers) / BBA/ B.Sc. (Semester-I) Examination
(Academic Year: 2024-2025)

Semester : **I**

Name of the Student :

Admission Number :

Name of the Course :

Paper (Title) :

Mobile Number :

Email Address :

Study Centre Name :

Signature of the Student with date



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(Academic Year: 2024-2025)

Dear Student,

Read the following **Instructions** very carefully before writing and submitting of all your Assignments. Write all your details on every Cover Page of Each Paper (Assignment). Students of various UG Courses have to submit Assignments for all subjects. The Assignments consists of **20 marks** for each paper.

Instructions for Writing of Assignments:

1. Submission of Assignments is **Compulsory**.
2. Each Assignment should be written in **15-20 Pages. (Attach Question Paper)**
3. Write answers clearly and visibly on **A-4 size only**.
4. Assignment should be written **ONE SIDE OF THE PAPER only**.
5. Assignment should be in student's own handwriting.
6. Printed/Carbon copies or computer print-outs **Will not be Accepted**. Any irregularity will be viewed seriously and the assignments will be **rejected**.
7. You can use CDOE (SDLCE) course material or other relevant Articles/Books for writing the assignments.
8. Submit each Assignment separately with tape binding **only**.
9. Each Assignment should be with a cover page. Write All Your Details in **Capital Letters on the cover page**.
10. Students those who fail to submit their assignments are **not allowed** write **SEMESTER EXAMS**.
11. **Submit** all your Assignments at your Study Centre (or) Room No. 7, CDOE (SDLCE), KU **only**.
12. **Last date for Submission of Assignments is: 15-01-2026. Assignments will not be Accepted, After the Due Date.**
13. For any sort of doubts or queries in writing the assignments, students can contact the Coordinators of your center or **course-In-Charge of CDOE (SDLCE), KU**.
14. You may contact CDOE Enquiry Counter/directly or call **0870-2461480 , 0870-2461490**

From **10.30 am to 4.30 pm** on all working Days.

Sd/-
DIRECTOR



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ASSIGNMENT

B.Sc. Semester-I Examination (2024-25)

Subject: ENGLISH

Answer any *FIVE* of the following questions.

5x4=20 Marks

1. Describe the character of the "Astrologer".
2. How does the astrologer dress to make himself look grand?
3. Write about the kinds of "pronouns"?
4. How do "Crafty Men " regard learning, According to Bacon?
5. Write the kinds of Adjectives with Examples.
6. What are the monophthongs and Diphthongs & Write with Examples?
7. What is the significance of the title of the play, "The Rising of the Moon"?
8. What is the Meaning of the line, "You will get your reward in heaven"
9. Discuss the native of sin as represented in the poem "A poison Tree"?
10. Explain the following lines: "Crafty Men Condemn Studies, Simple Men Admire them, and wise Mon use them".

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ASSIGNMENT

B.Sc. Semester-I Examination (2024-25)

Subject: TELUGU

1. దుష్యంతుడు శకుంతలను స్వీకరించిన విధానము తెల్పండి
- 2 గోడగూచి ముగ్ధ భక్తిని వివరించండి
- 3 సంవరణుడి తపస్సును గూర్చి తెలుపుము
- 4 గురజాడ తెలిపిన ప్రేమతత్వాన్ని వివరించండి
- 5 సమాజంలోని అంటరానితనాన్ని జాషువా ఏవిధంగా నిరసించాడు.
- 6 గంగిరెద్దు విన్యాసాలు వర్ణించండి
- 7 జయభేరి పాఠ్యాంశం గురించి తెలుపండి
- 8 గోన బుద్ధారెడ్డి వీరత్వాన్ని వివరించండి
- 9 చీకటి, సూర్యుడు, శిష్యుడు పదాలకు పర్యాయ పదాలు రాయండి
- 10 వృద్ధి సంధి, త్రికసంధి, సూత్రాలను తెలిపి సోదాహరణంగా రాయండి

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B.Sc. Semester-I Examination (2024-25)

Subject: HINDI

Answer any FIVE of the following questions.

5x4=20 Marks

1. उन्साह की परिभाषा देते हुवा उसके स्वरूप पर प्रकारों डालिए।
2. "चरित्र" से आप क्या समझते हैं? अपने शब्दों में लिखिए।
3. "आर्मी" पाठ का सारांश संक्षेप में लिखिए।
4. "सुदृगति" पाठ का सारांश लिखिए।
5. "चौक की दावत" का पाठ का सारांश लिखिए।
6. भारतीय संस्कृति की क्या विशेषताएँ हैं?
7. "शपथ का स्वरूप" के अगे क्या है अने पर विचार कीजिए।
8. "बाजार दर्शन" शीर्षक निबंध की विषय-वस्तु संक्षेप में लिखिए।
9. छोटा जादूवाइ कहानी का उद्देश्य बताइये।
10. प्राशाचित कहानी का उद्देश्य बताइये।

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B.Sc. Semester-I Examination (2024-25)

Subject: SANSKRIT

Answer any FIVE of the following questions.

5x4=20 Marks

1. प्रियवादी च भूतानां सत्यवादी च राघवः।
बहुश्रुतानां वृध्दनां ब्रह्मणानामुपासिताः॥ अनुवदत।
2. क एष मामनचत्तरयन् मुमुर्षुः समायाति बधिरः। ससन्दर्भं व्याख्यानं करुत।
3. अमन्त्रं ----- दर्लभः॥ श्लोकं पूरयत।
4. जीर्णस्य शरीरस्य विश्रान्तिमभिरोचते। ससन्दर्भं व्याख्यानं करुत।
5. प्रियो वा यदि वा द्वेष्यो मूर्खो वा यदि वा पण्डितः।
वैश्वदेवान्तमापन्नः सोऽतिथिः स्वर्गसंक्रमः॥ अनुवदत।
6. सन्धिं विघटयत।
1) कपीशः 2) परमैश्वर्यम्
7. अनन्तरत्नस्य प्रमवस्ययस्य हिमं न सौभाग्यविलोपि जातम्।
एको हि दोषो गुणसन्निपाते निमज्जतीन्दोः किरणेष्विवाङ्कः॥ प्रतिपदार्थं लिखत।
8. धर्मबद्धोदौवारिक इति पाठ्यांशस्य सारांशं संक्षेपेण लखत।
9. 1)कवि 2)नदी. शब्दरूपौ लिखत।
10. 1)नव + उदयः. 2)एकः+एकः
सन्धत्त।

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B.Sc. Mathematics Semester-I Examination (2024-25)

Subject: DIFFERENTIAL CALCULUS AND INTEGRAL CALCULUS

Answer any FIVE of the following questions.

5x4=20 Marks

1. Define partial differentiation
2. Find the first order partial derivative of $\tan^{-1}(x+y)$
3. If $z = f(x+ay) + \phi(x-ay)$ prove that $\frac{\partial^2 z}{\partial y^2} = a^2 \frac{\partial^2 z}{\partial x^2}$
4. Verify Euler's theorem for $z = ax^2 + 2hxy + by^2$
5. If $H = f(y-z, z-x, x-y)$ prove that $\frac{\partial H}{\partial x} + \frac{\partial H}{\partial y} + \frac{\partial H}{\partial z} = 0$
6. Show that maximum value of $u = xy + \frac{a^3}{x} + \frac{a^3}{y}$ is $3a^2$.
7. Discuss the maximum and minimum values of $x^4 + 2x^2y - x^2 + 3y^2$.
8. In a plane triangle, find the maximum value of $u = \cos A \cos B \cos C$.
9. Expand $\sin xy$ in powers of $(x-1)$ and $(y-\frac{\pi}{2})$ upto second degree terms.
10. If $x\sqrt{1-y^2} + y\sqrt{1-x^2} = a$, show that $\frac{d^2 y}{dx^2} = \frac{a}{(1-x^2)^{3/2}}$.

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B.Sc. Statistics Semester-I Examination (2024-25)

Subject: DESCRIBE STATISTICS AND PROBABILITY

Answer any FIVE of the following questions.

5x4=20 Marks

1. Explain about Sheppard corrections.
2. Define Skewness and Kurtosis.
3. State and Prove the Additional theorem of Probability.
4. Define i) Random Experiment ii) Independent events.
5. Prove for any 3 events A,B and C, $P(A \cup B / C) = P(A / C) + P(B / C) - P(A \cap B / C)$.
6. Define i) Marginal ii) Conditional functions.
7. If $f(x) = x/10$ $x = 1, 2, 3, 4$ then find (i) $p(x \leq 2)$ (ii) $p(x = 2 \text{ or } x = 3)$.
8. If 'a' is any constant then show that (i) $E(ax) = a.E(x)$ (ii) $\text{Var}(ax) = a^2\text{Var}(x)$.
9. Define PGF State its Properties.
10. Define CGF and State its Properties.

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B.Sc. Computer Science Semester-I Examination (2024-25)

Subject: COMPUTER SCIENCE (PROGRAMMING IN C)

Answer any *FIVE* of the following questions.

5x4=20 Marks

1. Define Computer. Explain classification of Computer.
2. What are Algorithm? Write an Algorithm to find the largest of three numbers.
3. Explain the structure of C program with an Example.
4. Explain Control Structures in C with Example.
5. Explain different Looping Statements in C .
6. Write about various Operators used in C.
7. Define Array and types of Array in C.
8. Explain Call by Value and Call by Reference with suitable Example.
9. Explain Structure and Union in C.
10. Write a C program to read and write data to a file using text file operations

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