

INTERNAL ASSIGNMENT QUESTIONS

B.A.(Maths & Stats) I YEAR

ANNUAL - 2024-25



PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION
(RECOGNISED BY THE DISTANCE EDUCATION BUREAU UGC, NEW DELHI)

OSMANIA UNIVERSITY

(A University Accredited with A+ by the NAAC - A University with Potential for Excellence,
Hyderabad – 7 Telangana State)

DIRECTOR
Prof. G.B. Reddy
Hyderabad – 7, Telangana State

1/10/25
2/10/25

PROF.G.RAM REDDY CENTRE FOR DISTANCE EDUCATION
OSMANIA UNIVERSITY, HYDERABAD – 500 007

Dear Students,

Every student of B.A. (Maths & Stats) I year has to write and submit **Assignment** for each paper compulsorily. ***Statistics Assignment papers carries 20 marks and *Maths & Applied Mathematics Assignment papers carries 30 marks.** The marks awarded to the students will be forwarded to the Examination Branch, OU for inclusion in the marks memo. If the student fail to submit Internal Assignments before the stipulated date, the internal marks will not be added in the final marks memo under any circumstances. The assignments will not be accepted after the stipulated date. **Candidates should submit assignments only in the academic year in which the examination fee is paid for the examination for the first time.**

Candidates are required to submit the Exam fee receipt along with the assignment answers scripts at the concerned counter on or before **28-05-2025** and obtain proper submission receipt.

ASSIGNMENT WITHOUT EXAMINATION FEE PAYMENT RECEIPT (ONLINE) WILL NOT BE ACCEPTED

Assignments on Printed / Photocopy / Typed will not be accepted and will not be valued at any cost. Only HAND WRITTEN ASSIGNMENTS with blue pen will be accepted and valued.

Students are advised not to use Black pen.

Methodology for writing the Assignments (Instructions) :

- 1 First read the subject matter in the course material that is supplied to you.
- 2 If possible read the subject matter in the books suggested for further reading.
- 3 You are welcome to use the PGRRCDE Library on all working days for collecting information on the topic of your assignments. (10.30 am to 5.00 pm).
- 4 Give a final reading to the answer you have written and see whether you can delete unimportant or repetitive words.
- 5 The cover page of the each theory assignments must have information as given in FORMAT below.

FORMAT

1. NAME OF THE STUDENT :
 2. ENROLLMENT NUMBER :
 3. NAME OF THE COURSE :
 4. NAME OF THE PAPER :
 5. DATE OF SUBMISSION :
6. Write the above said details clearly on every subject assignments paper, otherwise your paper will not be valued.
 7. Tag all the assignments paper wise and submit them in the concerned counter.
 8. Submit the assignments on or before **28-05-2025** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.


DIRECTOR

INTERNAL ASSIGNMENT- 2024 - 2025

Course : B.A. I year

Paper : I Title : Sanskrit Assignment Year 2025

Section – A

UNIT – I : Answer the following short questions (each question carries two marks) 5x2=10

1. श्रीमद्रामायणस्य रचयिता कः । रामायणे कीति श्लोकाः सन्ति । सप्त काण्डानां नामानि लिखत ।
2. "अहिंसा परमो धर्मः" कस्मात् गृहीतः । अस्याः कथायाः पात्राणां नामानि लिखत ।
3. रघुवंशम् केन विरचितम् । रघोः सकाशं गुरुदक्षिणार्थं कः दण्डायच्छति ।
4. तस्य गुरोः नाम लिखत ।
5. पञ्चतन्त्रस्य रचयिता कः । पञ्चतन्त्राणां नामानि लिखत ।
6. पञ्चतन्त्रकथायां नायकस्य, कपोतराजस्य मुखिकस्य च नामानि लिखत ।

Section – B

UNIT – II : Answer the following Questions (each question carries Five marks) 2x5=10

- अधोदत्तानां शब्दानां विभक्तिरूपाणि लिखत -
1. 'देव', 'मातृ' वारि, मधु, फल
 2. भू-सन्तायाम् धातोः लट्-लङ्-लृट्-लोट्-विधिलिङ्-लकाररूपाणि लिखत ।

Name of the Faculty : Dr. Jyoti. N. Fouzda

Dept. Sanskrit

INTERNAL ASSIGNMENT- 2024 - 2025

Course : B.A. ~~1st Year~~ BBA General English

Register : I Title : General English Year 2024-2025

Section - A

QNT - I : Answer the following short questions (each question carries two marks) 5x2=10

1. Write about Ms Rosemary's Ms. Smith. Poem
2. Explain the theme and message of Poem 'The Bird Sanctuary'
3. Write about the theme of Poem 'Side to the Clothes'
4. Write about the two friends in lesson 'The Thief'
5. Write about importance of positive thinking

Section - B

QNT - II : Answer the following Questions (each question carries Five marks) 2x5=10

1. Explain Consonant Sounds in English with ten examples.
2. Write about the friendship of Swami and his friends.

Name of the Faculty : A. SRINIVAS

Dept. of English

INTERNAL ASSIGNMENT- 2024 - 2025

Course : B.A. I year

Year Ist year

Title : S.L. HINDI

Year 2024-25

Section – A

Q.1 : Answer the following short questions (each question carries two marks) 5x2=10

1. सच्ये मित्र की पहचान क्या होती है।
2. हल्कू का चरित्र चित्रण कीजिए।
3. भारत की भाषा भेद की समस्या का परिचय दीजिए।
4. बिन्दा का चरित्र चित्रण कीजिए।
5. लहना सिंह का चरित्र चित्रण कीजिए।

Section – B

Q.2 : Answer the following Questions (each question carries Five marks) 2x5=10

1. लाला दाउदयाल का चरित्र-चित्रण कीजिए?
2. पृथ्वीराज की आँखों की कथावस्तु पर प्रकाश डालिए।

Name of the Faculty : Dr. Santosh Kumar

Assistant Prof

Dept. of Hindi, Osmania

University, Hyderabad

Translate and Explain three of the following with reference to the context

(١) فاما اليتيم فلن تقصاره واما السائل فلا تشمر

(٢) الم فشرح لك صبرك^٣ والمتين والزيوت

(٣) وطور بسين^٤ وهو البلد الامين

(٤) انا انزلناه في ليلة القدر^٥ وما ادرك ما ليلة القدر

ليلة القدر خير من الف شهر

(٥) اذا نزلزلت الارض زلزلا^٦ واخرجت

الارض ارضا^٧

2) Answer five of the following in Arabic

اين الكتاب؟ (١) من اين انت؟ (٢) اين كتب محمد

(٣) من هذا الرجل؟ ومن ذلك الرجل؟ ومن ذلك الرجل

ما اسمك. اعطاك سيارة؟ كواخا^٨ لك يا حامي

اين هذه المدرسة كوبرقة في المحلك

كو جامعة في بلدك

Write Ten Sentences in Arabic on any one of the following topics

فَضِيلَةُ الْعِلْمِ - اَدَبُ الْاَسَاذِ - عَظَمَةُ الْاَوَّلَادِ

1) Write the opposite of any ten of the following

اَبْيَضَ حُلُو صَغِيرَ جَدِيدٌ طَوِيلٌ وَلَدٌ جَمْعُهُ

ثَقِيلٌ حَارٌّ - بَارِدٌ صَدِيقٌ تَحْتَ فَوْقَ حَسَنٌ

2) Convert the Singular into plural any ten of the following.

مَسْجِدٌ غَنِيٌّ طَوِيلٌ صَدِيقٌ - كَبِيرٌ امْرَأَةٌ رَجُلٌ - جَدٌ

بَيْتٌ صَالِحٌ صَغِيرٌ حَارٌّ بَيْتٌ وَلَدٌ مَحْضَرٌ

3) Define any two of the following with example

الْجُمْلَةُ الْفَعْلِيَّةُ

الْمَعْرِفَةُ وَالنَّكْرَةُ

رِسْمُ الْاِشَارَةِ

الْمُرَكَّبُ الْوَصْفِيُّ

INTERNAL ASSIGNMENT- 2024 - 2025

Course : B.A. I year

ప్రాచీన కవిత్వం, ఆధునిక కవిత్వం.

Register No. _____ Title : కథానాటక ప్రామాణ్యం, భవల Year 1st

Section – A

PART – I : Answer the following short questions (each question carries two marks) 5x2=10

1. నీక్షయ్య కవిత్వం లక్షణాలేమిటి?
2. గ్రీష్మ తపనల అలలుబియ్యండి.
3. సురేంద్ర నాథ్ పరశురామరాజు రాయండి?
4. వివాహ రేంజు సంతోష సందర్భాల సూచనలు తెలుపండి?
5. ఈ ప్రామాణ్య సూక్తి సూత్రాన్ని చదివి తెలుపండి?

Section – B

PART – II : Answer the following Questions (each question carries Five marks) 2x5=10

1. గాలివాన కథ సారాంశాన్ని తెలుపండి?
2. మా గొట్టి తల్లిదండ్రులకు గురి సారాంశాన్ని వివరించండి.

Name of the Faculty : Dr. G. Aalinarayana

Dept. Telugu

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OSMANIA UNIVERSITY, HYDERABAD-500007

2024 - 2025 - INTERNAL ASSIGNMENT QUESTION PAPER

I YEAR-B.B.A / B.Com. / B.A B.Sc

Second Language Urdu

Total Marks : 20

Section - A (حصہ الف)

1: حسب ذیل سوالات کے جواب مطلوب ہیں۔ ہر سوال کم از کم (تین-3) صفحات پر مشتمل ہونا چاہیے۔ (5X2=10)

1. محمد قلی قطب شاہ کو پہلا صاحب دیوان شاعر کیوں کہا جاتا ہے؟
2. ولی دکنی کے بارے میں آپ کیا جانتے ہیں؟
3. نظم ”اے شریف انسانوں“ کا خلاصہ لکھیے۔
4. نظم ”مستقبل“ میں شاعر کیا پیغام دینا چاہتا ہے اور نظم کا خلاصہ لکھیے۔
5. مرزا غالب کے اخلاق و عادات کے بارے میں آپ کیا جانتے ہیں؟

Section - B (حصہ ب)

II: حسب ذیل سوالات کے جواب مطلوب ہیں۔ ہر سوال کم از کم (پانچ-5) صفحات پر مشتمل ہونا چاہیے۔ (2X5=10)

6. علامہ اقبال کی حالات زندگی اور نظم ”فنون لطیفہ“ میں ان کی شاعرانہ عظمت بیان کیجیے۔
7. انشائیہ ”پڑیئے گر بیمار“ کا خلاصہ لکھیے۔

ختم شد

Dr. Syeda Naseem Sultana

Head of the Department, URDU

VCIWU-Koti Women's College

Phone No. : 8639804816

INTERNAL ASSIGNMENT- 2024 - 2025

Course : B.A. (Maths & Stats) I year

Paper : I Title : Diff, Equations, Abstract Algebra Year I
and vector calculus Total Marks: 30

Section - A

UNIT - I : Answer the following short questions (each question carries two marks) 5x3=15

- 1 solve $y = x + a \tan^{-1} x$
 - 2 solve $\frac{d^2 y}{dx^2} + 6 \frac{dy}{dx} + 9y = 0$
 - 3 Define * on \mathbb{Z} by $a * b = a + b - 1$. is a commutative? is it associative?
 - 4 let $\sigma, \tau \in S_5$, where $\sigma = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 2 & 3 & 1 & 5 & 4 \end{pmatrix}$
 - 5 $\tau = \begin{pmatrix} 1 & 2 & 3 & 4 & 5 \\ 5 & 4 & 3 & 1 & 2 \end{pmatrix}$ Find $\sigma\tau$ and $\sigma\tau^2$
- ⑤ Find the unit normal to the surface $xyz^2 = 4$ at $(-1, -1, 2)$

Section - B

UNIT - II : Answer the following Questions (each question carries Five marks) 3x5=15

- 1 solve the equation $\frac{d^2 y}{dx^2} + 4 \frac{dy}{dx} + 4y = 4x + 6e^x$ using undetermined coefficient
- 2 Define the fundamental Theorem of Homomorphisms.
- 3 Evaluate $\int (x^2 - xy^2) dx + (y^2 - 2xy) dy$ where 'C' is the square with the vertices $(0,0), (2,0), (2,2), (0,2)$.

Name of the Faculty : Dr. B. Raju

Dept. Maths Wizam College 0.0
27/4/25

INTERNAL ASSIGNMENT- 2024 - 2025

Course : B.A. (Maths & Stats) I year

Paper : I Title : Applied Mathematics Year 2024-2025

Total Marks: 30

Section - A

UNIT - I : Answer the following short questions (each question carries two marks) $5 \times 3 = 15$

- 1 write parallelogram Law of forces Theorem.
- 2 Two unlike parallel forces P and Q of magnitude 17 kgs and 25 kgs are working at a distance of 20 cm apart. Find their resultant and the distance it acts from 17 kgs force.
- 3 Prove that the work done in stretching an elastic string of natural length l and modulus λ from tension T_1 to tension T_2 is $\frac{1}{2\lambda}(T_2^2 - T_1^2)$
- 4) Find the length of the pendulum which will oscillate 56 times in 55 seconds
- 5) write the principle of conservation of work and Energy.

Section - B

UNIT - II : Answer the following Questions (each question carries Five marks) $3 \times 5 = 15$

- The resultant of two like parallel forces P, Q passes through a point O, when P is increased by R and Q by S. The resultant still passes through O and also when Q, R replace P, Q respectively prove that $R = \frac{Q^2}{P}$, $S = \frac{Q^3}{P^2}$ and $S = R - \frac{(Q-R)^2}{P-Q}$.
- 1) Find the portion of the C.G. of the arc of the curve $x^{2/3} + y^{2/3} = a^{2/3}$ lying in the first quadrant.

Name of the Faculty :

Dr. M. Ramesh

Dept. Mathematics.

- 3) If the central force varies as the distance from a fixed point, find the Orbit

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INTERNAL ASSIGNMENT-2024-2025

Course: B.A(Statistics) I year

Paper: I Title: Probability and Distributions Year: I(First) Total Marks:20

Section-A

Answer the following short questions (each question carries two marks) 5X2=10M

1. The following table shows the distribution of the number of students per teacher in 750 villages

Students	3	6	9	12	15	18	21	24	27	30
Frequency	7	46	165	195	189	89	28	19	9	3

Compute the Arithmetic mean, median and mode.

2. Define Central and Non-Central moments. Express non central moments in terms of central moments . What is the effect of origin and scale on central moments.
3. Define Yule's coefficient of association and the coefficients of colligation. Establish the relation between the two coefficients.
4. A discrete random variable has the following probability distribution.

X	0	1	2	3	4	5	6
P(X)	0.08	0.12	0.20	0.25	0.18	0.11	0.06

Find the mean, variance of X. Also find $P(X \leq 2)$, $P(X \geq 4)$ and $P(1 \leq X \leq 5)$

5. Obtain the MGF of exponential distribution. Find the mean and variance using it.

Section B

2X5=10M

1. State and prove (i) Chebychev's inequality
(ii) Weak law of large numbers
(iii) Central Limit theorem(CLT)

Also give example for each of them

2. (i) Prove that the Poisson Distribution is the limiting case of Negative Binomial distribution.
(ii) Define Normal distribution.State and prove any of five properties of Normal distributions.