

INTERNAL ASSIGNMENT QUESTIONS
B.A.Maths &Stats I YEAR
ANNUAL EXAMINATION MARCH / APRIL - 2019



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. Chintha Ganesh
Hyderabad – 7, Telangana State

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

Dear Students,

Every student of B.A. I year has to write and submit **Assignment** for each paper compulsorily. Each assignment carries **20 marks**. The marks awarded to you will be forwarded to the Controller of Examinations, OU for inclusion in the University Examinations marks. If you fail to submit Internal Assignments before the stipulated date, the internal marks will not be added to University examination marks under any circumstances. The assignments will not be accepted after the stipulated date. **The assignments have to be submitted by the candidates in the same academic year when they pay the examination fee for exams in first instance only.**

You are required to **pay Rs.300/- fee** towards Internal Assignment through online and submit the receipt with the assignment answers scripts at the concerned counter on or before **20 -03-2019** and obtain proper submission receipt.

ASSIGNMENT WITHOUT FEE WILL NOT BE ACCEPTED

Assignments on Printed / Photocopy / Typed papers will not be accepted and will not be valued at any cost. Only hand written Assignments will be accepted and valued.

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 including Sunday 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 **23-03-2019** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

**Prof. K. Bhaskar
Joint Director**

**Prof.Chintha Ganesh
Director**

INTERNAL ASSIGNMENT- 2018 - 2019

Course : U.G. (C.D.E)

Paper : Telugu. Title : Second Language Year: I/II/III

Section - A

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

- 1 నందయ.
- 2 అల్లసాని పెద్దన.
- 3 ఆదిగారిండు పొగమాంబ.
- 4 శ్రీ.శ్రీ.
- 5 దివ్యార్చన కాలకలహరి వినాక.

Section - B

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

1. "మూషిక మార్జల వృత్తింబొప్పు వర్ణించండి?"
2. "మనసాఫసులలో కవి వర్ణించిన అనాకావి ?"

Name of the Faculty : Dr. D. Ram Babu.

Dept. of Telugu.

INTERNAL ASSIGNMENT- 2018 - 2019

Course : BA B.Com BBA

Paper : I Title : Sanskrit (SL) Year: V/III/III

Section - A

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

- 1 वाल्मीकिना स्वचित् सुग्रीवस्य वचनानि लिखत ।
- 2 रघुवंश पञ्चम सर्ग कौत्स रघु संभाषणद्वारकिं ज्ञापते ।
- 3 नक्षत्राः परिपूर्णोपि चन्द्रोदयमपेक्षते - स सन्दर्भं लिखत ।
- 4 स्था-लट् ; कु-लोट् ; लभ-विधि लिङ् - रूपानि लिखत
- 5 ① पराभयम् ② अज्ञानम् ③ श्रीलक्ष्मणम् ④ पितरौ

Section - B

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

1. ① देव ② इमा ③ पितृ ④ वारि
2. द्विरुपकेन सह मंत्रीं कर्तुं लघुपतनकेन कृतं प्रयत्नं किं लिखत

Name of the Faculty : Dr. K. VENKATESWARLU

Dept. SANSKRIT

INTERNAL ASSIGNMENT- 2018 - 2019

Course : Hindi

Paper : I Title : Hindi Year: 11/11/11

Section - A

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

- 1 साहित्य किये कहते हैं ? पूर्ण विचार कीजिए।
- 2 मित्रता पाठ का सारांश संक्षिप्त में लिखिए।
- 3 विन्दा का चरित्र-चित्रण पर प्रकाश डालिए।
- 4 मुक्तिपथ पाठ का सारांश संक्षिप्त में लिखिए।
- 5 उसमें कहाँ था पाठ का सारांश लिखिए।

Section - B

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

- 1 "भारत एक है" पाठ का सारांश लिखिए।
- 2 अपने मौखिक की सफर के लिए नगर निगम को पत्र लिखिए।

Dr. Saman Kumar Ghosh

Name of the Faculty :

Dept. Hindi

Course : B.A Urdu

Paper : I Title : Mulalacy-Adab Year: I/II/III

Section - A

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

- 2 حکایت کی تعریف کیجئے۔
3 طنز و مزاح کیا ہے؟ اس پر مختصر نوٹ لکھیے۔
4 نظم "پارش" پر اظہارِ خیال کیجئے۔
5 خالہ نگاری پر نوٹ لکھیے۔
6 "سراج اورنگ آبادی کے حالاتِ زندگی" تحریر کیجئے۔

Section - B

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

2. "سوزنامہ" ہندوستان میں نفاذ "کاغذ لکھیے
مرزا غالب / علامہ اقبال کی شاعری کی امتیازی
خصوصیات بیان کیجئے۔

Name of the Faculty : DR. NLOOK K TALOOH

Dept. 2/12/18

Assignment

①

B.A, B.com, B.B.A 1-year Dec-2018
Subject: ARABIC (second language)

I - Translate the following verses with reference.

① أَلَمْ نَشْرَحْ لَكَ صَدْرَكَ .

② وَرَفَعْنَا لَكَ ذِكْرَكَ .

③ إِنَّا أَنْزَلْنَاهُ فِي لَيْلَةِ الْقَدْرِ .

④ أَكْتُبُ سُورَةَ الْبُرُوجِ كَامِلَةً مَعَ التَّرْجُومِ .

⑤ فَمَنْ يَعْمَلْ مِثْقَالَ ذَرَّةٍ خَيْرًا يَرَهُ .

وَمَنْ يَعْمَلْ مِثْقَالَ ذَرَّةٍ شَرًّا يَرَهُ .

II - Translate these verses.

① وَ أَخْرَجْتِ الْأَرْضَ أَثْقَالَهَا

② يَوْمَئِذٍ يَهْدِي النَّاسَ أَشْتَاتًا لِيُرَوּاْ أَعْمَالَهُمْ

1
111 - Answer the following questions.

1 ما المراد بـ "البلد الامين"

2 كم آية في سورة الزلزال.

111 - Translate the following.

1 للعلم و للادب

و به خطت كل الكتب

2 لغة القرآن

لغتي يا لغة الازمان

111 - Answer the following questions with translation and reference

1 قد علم ربي بالقلم

فلينظر علماء الأمم

2

② أكتب حياة وخدمات مير عثمان علي خان:

③ و هي نظافة جسم الانسان ثوبه

و طعامه و بيته .

VI-① How many kinds of KALIMA? الكلمة
and what are they?

② What is AL NAQIS? المركب الناقص?
write with examples.

③ Write the المركب المفيد with examples.

VII - write the summary on the following
topics.

① تدوين القرآن الكريم

② مميزات اللغة العربية

③ الشعر في العصر الاسلامي.

INTERNAL ASSIGNMENT - 2018-2019

Course: B. A (Statistics)

Paper: Statistics - I

Title: Probability and Distributions

Year: I

Section - A

UNIT - I: Answer the following short questions (each question carries two marks) $5 \times 2 = 10$

1. Find the arithmetic mean of the following distribution:

x:	1	2	3	4	5	6	7	8
f:	4	8	12	15	11	7	4	6

2. The first four moments of a distribution about $X = 4$ are 1, 4, 10 and 45 respectively. Determine β_1 and β_2 .

3. Define Quartile Deviation and Standard Deviation.

4. The probability of occurrence of an event A is 0.7, the probability of non-occurrence of B is 0.5 and that of atleast one of A and B not occurring is 0.6. find the probability that atleast one of A and B occur.

5. A box contains 6 red, 4 white and 5 black balls. A person draws 4 balls from the box at random, find the probability that among the balls drawn there is atleast one ball of each colour.

UNIT - II: Answer the following questions (each question carries five marks) $2 \times 5 = 10$

1. Calculate the first four moments of the following distribution about the mean and hence find β_1 and β_2 . Comment on the nature of the distribution.

Wages (Rs.)	20 - 40	40 - 60	60 - 80	80 - 100	100 - 120
No. of Persons	6	9	11	14	20
Wages (Rs.)	120 - 140	140 - 160	160 - 180		
No. of Persons	15	10	8		

2. (i) State Bayes theorem.

(ii) The contents of urns I, II, III are as follows:
 1 white, 2 black and 3 red balls,
 2 white, 1 black and 1 red ball,
 4 white, 5 black and 3 red balls.

One urn is chosen at random and two balls are drawn. They happen to be white and red. What is the probability that they came from urns II.

BA I yr.

INTERNAL ASSIGNMENT- 2018 - 2019

Maths

Course : B. A (I year)

Paper : I

Title : differential eqs, Abstract Algebra and vector calculus

Year: I/II/III

Section - A

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

1. From the differential equation by eliminating the constants from $y = a \sec x + b \tan x$.

2. solve $\frac{dy}{dx} = 1 + x^2 + y^2 + x^2 y^2$

3. solve $\left[x + y \sin\left(\frac{y}{x}\right) \right] dx = x \sin\left(\frac{y}{x}\right) dy$

4. solve $(1+x^2) \frac{dy}{dx} + 2yx - 6x^2 = 0$

5. solve $\frac{dy}{dx} - y \tan x = y^2 \sec x$

Section - B

UNIT - II : Answer the following Questions (each question carries five marks)

2x5=10

1. solve $x \frac{dy}{dx} + \frac{y^2}{x} = y$

2. solve $(x+y+1) \frac{dy}{dx} = 1$

Name of the Faculty : B. RASO

Dept. MATHEMATICS

BA I yr -
APPT Maths

INTERNAL ASSIGNMENT- 2018 - 2019

Course : B.A (1 YEAR) , Jan 2019.

Paper : Theorem Title : APPLIED MATHEMATICS Year: I/II/III

Section - A

UNIT - I : Answer the following short questions (each question carries two marks) $5 \times 2 = 10$

- 1 Two forces P and Q acting at a point have a resultant R. The resolved part of R in the direction of P is of magnitude Q. Find the angle b/w the forces, and also the magnitude of the resultant.
- 2 Horizontal Range of the projectile (R).
- 3 Law of conservation of Energy.
- 4 Tangential ACCELERATION.
- 5 RANGE on the Inclined plane.

Section - B

UNIT - II : Answer the following Questions (each question carries five marks) $2 \times 5 = 10$

Parallelogram Law of Forces. (Theorem).

2. Two couples, acting in one plane upon a rigid whose moments are equal and opposite balance one another.

Name of the Faculty :

Dr. M. Ramesh

Dept. ~~Maths~~ Mathematics