

# **INTERNAL ASSIGNMENT QUESTIONS**

## **B.A.(Maths & Stats) II YEAR**

**SUPPLEMENTARY - 2022**



**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**

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

Dear Students,

Every student of B.A. (Maths & stats) II year has to write and submit **Assignment** for each paper compulsorily. Each assignment carries **20 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 **15<sup>th</sup> November, 2022** 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 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 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 **15<sup>th</sup> November, 2022** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

**DIRECTOR**

**BA / B.A. (Maths & Stats) / B.Com. / BBA II YEAR**  
**ANNUAL EXAMINATIONS**

**INTERNAL ASSIGNMENT**

**Sub: General English**

**Section – A**

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

1. Why does Shaw think we should not try to speak foreign languages too well ?
2. What do people imagine about Seth Govind Ram ?
3. Describe the Speaker's Experience of home coming.
4. Why does an encaged bird wish to sing ?
5. Why does the speaker ask the landlady to see his palm and sole ?

**Section – B**

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

1. Describe Verbal and Non – Verbal Communications.
2. Do's and don'ts of interview skills.

*hsh*

BA / B.A. (Maths & Stats) / B.Com. / BBA II YEAR

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INTERNAL ASSIGNMENT QUESTION PAPER- 2021 - 2022

COURSE : ~~B.A.~~ B.A. II nd year

Paper : తెలుగు Subject : తెలుగు.

Total Marks: 20

Section - A

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

- 1 "బమెర వోతన."
- 2 "కంఠజి నారాయణరావు".
- 3 ప్రకృతి వికాసం.
- 4 మధురమైన తెలుగు.
- 5 " ఏమి అపంబు నేనె నొక యాధరజీ దివికోత్తమండు తాత్  
క్షణమే భండస్సు.

Section - B

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

- 1 "ఉడుమురి కన్నప్ప" కథను వివరించండి?
- 2 "హరిజన సత్కారం" ద్వారా కవి ఏమి చెప్పాలంటున్నాడు?

Name of the Faculty :

(Dr. D. Ram Babu)

Dept.

తెలుగు.

**BA / B.A. (Maths & Stats) / B.Com. / BBA II YEAR**

**PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION  
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**INTERNAL ASSIGNMENT QUESTION PAPER- 2021 - 2022**

COURSE : B.A. II yr.

Paper : II Subject : HINDI (SL)

**Total Marks: 20**

**Section - A**

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

1. कवि रहीम ने तलवार और मुँह के आहरण के द्वारा क्या समझाया है ?
2. कबीरदास के अनुसर निम्न करने वाले लोग क्यों अच्छे हैं ?
3. तुलसीदास के अनुसर दुस्मिया का स्वभाव कैसा होना चाहिए और क्यों ?
4. कबीरदास के अनुसर गुरु का स्वभाव कैसा होना चाहिए ?
5. हिन्दी साहित्य के इतिहास में अन्वयी रामचन्द्र शुक्ल ने कितने कालों में बाँटा है ? उनके नाम लिखिए।

**Section - B**

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

**2x5=10**

1. मातृभूमि का हमारे जीवन में क्या महत्व है ?
2. आदि काल या वीरगाथा काल की मुख्य विशेषताएँ (प्रवृत्तियाँ) लिखिए।

Name of the Faculty : K. DATTATRAYA

Dept. HINDI

INTERNAL ASSIGNMENT QUESTION PAPER- 2021 - 2022

COURSE : B.A., B.B.A, B.Com. - II year

Paper : II Subject : Sanskrit

Total Marks: 20

Section - A

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

- 1 प्रतिमानाटकस्य द्वायिता कः । प्रतिमानां नाम लिखत ।
- 2 शुकनासोपदेशः कस्मात् गृहीतः । शुकनासः कमुपदिशति ।
- 3 भोजप्रबन्धः केन विशचितम् । क्रियासिद्धिः सत्वे भवति महता ।
- 4 देकारकथा कस्मात् गृहीता । ददद-विवृणुत । नोपकरण-वर्णयत ।
- 5 अनुवदत - सत्यं तद । धर्मं चर । मातृदेवो भव ।  
पितृदेवो भव । आचार्यदेवो भव । अतिथिदेवो भव ।

Section - B

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

2x5=10

- 1 लक्ष्यलक्षणसमन्वितम् अनन्वयान्तेष्ट्वारं वर्णयत ।
- 2 भगवत् शब्दस्य सर्वाणि विभाक्तेरूपाणि लिखत ।

Name of the Faculty : Gyoti. N. Fouzdar

Dept. Sanskrit - Paper - II

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**INTERNAL ASSIGNMENT QUESTION PAPER- 2021 - 2022**

**COURSE : B.A. II year**

**Paper : \_\_\_\_\_ Subject : Arabic**

**Total Marks: 20**

**Section – A**

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

- 1 (١) كم اخالك يا هاشم ؟ (٢) كم قلب في فطركم ؟
- 2 (٣) ابن الجوك يا ابراهيم ، (٤) اُصبت ليل يا ظلمي ؟
- 3
- 4 (٥) اُحفظت سورة العبر يا امرئ صالح
- 5

**Section – B**

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

- 1 Write the Summary "Compilation of the Quran"
- 2 Define the following- with Examples "الحروف الجارية" and "حروف متباعدة"

**Name of the Faculty : Md Sahid Ahmed**

**Dept. 12-12-2021**

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**BA / B.A. (Maths & Stats) / B.Com. / BBA II YEAR**

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**INTERNAL ASSIGNMENT QUESTION PAPER- 2021 - 2022**

**COURSE : B.A. \_\_\_\_\_**

**Paper : II (URDU) Subject : MUTALA-E-ADAB PART - II**

**Total Marks: 20**

**Section – A**

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

- 1 (1) مثنوی ”امن نامہ“ کے مرکزی خیال کو اجاگر کیجئے۔
- 2 (2) میر جبر علی انیس کی مرثیہ نگاری پر نوٹ لکھئے۔
- 3 (3) مولانا ابوالکلام آزاد کی انشائیہ نگاری کا جائزہ لیجئے۔
- 4 (4) ”مکتوبات صفیہ“ پر اظہار خیال کیجئے۔
- 5 (5) ناول کی تعریف کرتے ہوئے اس کے اجزائے ترکیبی و فنی خصوصیات تحریر کیجئے۔

**Section – B**

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

- (6) ”رباعی“ کسے کہتے ہیں؟ اس کی مختلف اقسام کا ذکر کرتے ہوئے شامل نصاب رباعی گو شعراء کا تعارف پیش کیجئے۔
- (7) ”طنز و مزاح“ کے بارے میں اپنی معلومات بہم پہنچاتے ہوئے طنز و ظرافت کے مختلف انداز کا جائزہ لیجئے۔<sup>2</sup>

**Name of the Faculty :**

Dr. MOHD MUSHTAQ AHMED

**Dept. \_\_\_\_\_**

URDU



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INTERNAL ASSIGNMENT QUESTION PAPER - 2021 - 2022

COURSE : B.A. (Maths & Stats) Maths III

Paper : II Subject : Mathematics

Total Marks: 30

Section - A

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

- 1 Define plane. Find the angle between the planes.  $2x-y+z=0$ ,  $x+y+2z=7$  5X3=15
- 2 Define sphere. Find the centre and radius of the sphere  $x^2+y^2+z^2-6x+2y-4z-11=0$
- 3 Show that general eqn of the cone of the second degree which passes through the coordinate axis is  $fxz+gzy+hay=C$
- 4 State P-Series test.
- 5 Define Riemann Integral.

Section - B

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

- 1 Show that the eqn of the plane through the points  $(2,2,-1)$ ,  $(3,4,2)$ ,  $(7,0,6)$  is  $5x+2y-3z-17=0$  7M
- 2 Find the S.D between the lines. 8M

$$\frac{x-3}{3} = \frac{y-8}{-1} = \frac{z-3}{1}, \quad \frac{x+3}{-3} = \frac{y+7}{2} = \frac{z-6}{4}$$

Name of the Faculty : Dr. G. Sudhakar Rao

Dept. Mathematics

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INTERNAL ASSIGNMENT QUESTION PAPER - 2021 - 2022

COURSE : B.A. (Maths & Stats) II Year B.A Applied Mathematics

Paper : II Subject : Applied Mathematics

Total Marks: 30

Section - A

5x3=15

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

- 1 Define orthogonal set of functions and show that the functions  $\sin x, \sin 2x, \sin 3x, \dots$  are orthogonal on  $(0, \pi)$
- 2 Using the method of separation of variable
- 3 Solve  $3 \frac{\partial u}{\partial x} + 2 \frac{\partial u}{\partial y} = 0, u(1,0) = 4e^{-2}$
4. Solve  $\frac{\partial u}{\partial t} = c^2 \frac{\partial^2 u}{\partial x^2}$  by method of separation of variables.
5. Solve  $\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} = c^2 \frac{\partial u}{\partial t}$  by method of separation of variables.
5. Solve  $\frac{\partial^2 u}{\partial x^2} + \frac{\partial^2 u}{\partial y^2} + \frac{\partial^2 u}{\partial z^2} = 0$  by method of separation of variables.

Section - B

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

1. A tightly stretched string with fixed end points  $x=0, x=1$  in shape defined by  $y = \lambda x(1-x)$  where  $\lambda$  is a constant, released from this position of rest Find  $y(x,t)$

Name of the Faculty : B. Mallesh

Dept. of Mathematics

2. A rod of length  $l$  has its ends A and B kept at  $0^\circ\text{C}$  and  $100^\circ\text{C}$  respectively until steady state conditions prevail. If the temperature at B is reduced suddenly to  $0^\circ\text{C}$  and kept so while that of A is maintained. Find the temperature  $u(x, t)$  at a distance  $x$  from A at a time  $t$ .

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INTERNAL ASSIGNMENT QUESTION PAPER - 2021 - 2022

COURSE : B.A. (Maths & Stats) -II Year.

Paper : II Subject : Statistical Methods & Inference.

Total Marks: 20

Section - A

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

- 1 Write any two properties of Regression coefficients.
- 2 prove the addition theorem of expectation.
- 3 Define Type-I and Type-II error with example.
- 4 Explain Sign Test for paired sample data.
- 5 Define (i) MP-Test (ii) UMP Test.

Section - B

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

- 1 State and prove Neyman-Person Lemma. (Nplemma)
2. In random sampling from normal population  $N(\mu, \sigma^2)$ , find the Maximum likelihood estimators for.

- (i)  $\mu$  when  $\sigma^2$  is known
- (ii)  $\sigma^2$  when  $\mu$  is known.
- (iii) the simultaneous estimation of  $\mu$  and  $\sigma^2$

Name of the Faculty : Kisap  
07/01/2022  
Dept. of Statistics.