INTERNAL ASSIGNMENT QUESTIONS

B.A. (Maths & Stats) I YEAR

ANNUAL EXAMINATIONS MARCH / APRIL - 2017

PROF. G. RAM REDDY CENTRE FOR DISTANCE EDUCATION
(RECOGNISED BY THE DISTANCE EDUCATION BUREAU, UGC, NEW DELHI)
OSMANIA UNIVERSITY
(A University with Potential for Excellence and Re-Accredited by NAAC with "A" Grade)

DIRECTOR
Prof. SHIVARAJ
Hyderabad – 7 , Telangana State

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 Examination, OU for inclusion in the University Examination 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 assignment marks will not be accepted after the stipulated date,

You are required to **pay Rs.300/- fee** towards Internal Assignment marks through DD (in favour of Director, PGRRCDE, OU) and submit the same along with assignment at the concerned counter **on or before 4th February, 2017** and obtain proper submission receipt.

ASSIGNMENT WITHOUT THE DD 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:

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.

<u>**FORMAT**</u>

1. NAME OF THE STUDENT   :
2. ENROLLMENT NUMBER   :
3. B.A.(Maths & Stats) I Year   :
4. NAME OF THE PAPER CODE   :
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 assignment number wise.
8. Submit the assignments on or before **04-02-2017** at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

       Dr.N.R.Giridhar   **Prof. Shivaraj**
       Joint Director   **Director**

BA I YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2017

INTERNAL ASSIGNMENT

Sub: English (General)

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

1. Write the central idea of the Bird sanctuary

2. Write 10 consonant sounds with suitable examples

3. Write a short note on Ruskin Bond's The Thief

4. What do you mean by Formal and informal greetings. Give Examples

5. Dos and don'ts of making power point presentation

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

1. What are the details required for the description of vowel sounds ? Explain vowel diagram.

2. Write about the author, Pablo Neruda and critically analyse "ode to the clothes".

తెలుగు (ద్వితీయభాష)

ఇంటర్నెట్ అస్సైన్మెంట్

A. సంక్షిప్త సమాధానాలు రాయండి. 5×2
$4 \times 2\frac{1}{2} = 10$

1. గాలివాన కథాసారాంశం

2. మూషిక మార్గాల వృత్తాంతం

3. సవర్ణదీర్ఘసంధి, గుణసంధులను ఉదాహరించి సూత్రాలను వివరించండి.

4. మహాత్రిస్తాను కవితాలక్ష్యం.
5. 'వెరుకత' పాఠ్యభాగ సారాంశం.

B. వ్యాసక రూప సమాధానాలు రాయండి $2 \times 5 = 10$

6. గంగా శంతనుల కథా సారాంశం.

7 జాషువా మహాశయుళ్ళ ఇతివృత్తం

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(Prof v. Nithyananda Rao)
H.O.D Telugu.

INTERNAL ASSIGNMENT- 2016 - 2017

Course : _B.Com 1st- Year_

Paper : _HINDI_ Title : _B.Com_ Year: I / II / III ✓

Section – A

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

1 वीरता किसे कहते है ?

2 साहित्य और संस्कृति का कैसा संबंध है ?

3 भारत में विविधता किन-किन बातों में दिखाई देती है ?

4 रहमान के चरित्र की विशेषताएँ लिखिए ?

5 'उसने कहा था' कहानी का उद्देश्य बताइए ?

Section – B

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

1. हल्कू का चरित्र चित्रण कीजिए ।

2. पृथ्वीराज की आँखे 'मुकीलसांशा का लिखिए ।

Dr. SANTOSH -

Name of the Faculty : SRathod

Dept. of Hindi, O.U.C.W.
Koti, Hyd-

MARKS.20.

Part- A .
Answer All Questions . All Quations Carry Equal Marks.
Write Short notes on the follwing Questions in 50 Words.
सर्वे प्रश्नाः समाधेयाः | सर्वे समानांकः |

1 श्लोकस्य तात्पर्यं च लिखत (2)

    1. तमध्वरे विश्वजिति क्षितीशं निःशेषविश्राणित कोश्जातम् |

      उपात्तविद्यो गुरुदक्षिनार्थि कौत्सः प्रपेदे वरतन्तुशिष्यः ||

2. ससन्दर्भम् व्याख्यात | (2)

    १. प्रहरन्ति च रन्ध्रेषु सो नर्थः सुमहान् भवेत् |

    २. शरध्दनं नार्दति चातकोपि |

3. रघु कौत्ससंभाशनद्वारा तत्कालीन सामाजिक व्यवस्थाम् विपुलयत | (2)

4. द्वयोः शब्दयोः सर्वासु विभक्तिषु रूपाणि लिखत | (2)

    १. कवि   २. भानु

5. चतुर्णां सन्धि कार्यं कुरुत | (2)

    १. नरेशः   २. नायकः   ३.दिव्यौषधम   ४. तदपि

Part- B
Answer All Questions, All Questions Carry Equal Marks.
Write Essay on the following Questions in 150 words.
सर्वे प्रश्नाः समाधेयाः | सर्वे समानांकः |

2X5=10.

१. हिरण्यकेन सह मैत्री कर्तुं लघुपतनकेन कृतं प्रयत्नं विशदयत |

२. अहिंसा परमो धर्मः इत्यस्य पाठ्यस्य वैशिष्ट्यं प्रतिपादयत |

Marks 20

:تمام سوالات کے جواب مطلوب ہیں۔

(5X2=10) ١- دیے گئے سوالات کے مختصر جواب دیجیے۔

1- میر تقی میر کی شاعرانہ عظمت بیان کیجیے۔

2- خواجہ الطاف حسین حالی کی غزل گوئی پر نوٹ لکھیے۔

3- اردو کا پہلا صاحب دیوان شاعر کسے کہا جاتا ہے؟ اظہار خیال کیجیے۔

4- مرزا اسد اللہ خاں غالب کے حالات زندگی کے بارے میں آپ کیا جانتے ہیں؟

5- قرۃ العین حیدر کے متعلق اپنی معلومات قلم بند کیجیے۔

(2X5=10) ١١- حسب ذیل سوالات کے تفصیلی جواب مطلوب ہیں۔

1- نظم ''اے شریف انسانو'' کا خلاصہ لکھیے۔

2- افسانہ ''یہ غازی یہ تیرے پراسرار بندے'' کے کسی دو اہم کرداروں کا جائزہ لیجیے۔

☆☆☆☆☆

Marks 20

: تمام سوالات کے جواب مطلوب ہیں ۔

(5X2=10)

ا- دیے گئے سوالات کے مختصر جواب دیجیے ۔

1- "سفرنامہ" کی تعریف کیجیے۔

2- غزل کی فنی خصوصیات بیان کیجیے۔

3- اردو میں نظم کے آغاز وارتقاء پر مختصر نوٹ لکھیے ۔

4- علامہ اقبالؔ کے بارے میں آپ کیا جانتے ہیں؟

5- یادگارِ غالبؔ کے متعلق اپنی معلومات قلم بند کیجیے۔

(2X5=10)

اا- حسب ذیل سوالات کے تفصیلی جواب مطلوب ہیں ۔

1- نظم "فنونِ لطیفہ" کا خلاصہ لکھیے ۔

2- اپنی پسندیدہ حکایات بیان کیجیے۔

☆☆☆☆☆

Assignment
B.A Ist Year
Subject ARABIC

(1) TRANSLATE and EXPLAIN REFERENCE TO THE CONTEXT ALL QUESTION

① و رفعنا لك ذكرك .

② لقد خلقنا الانسان فى احسن تقويم

③ اذا زلزلت الارض زلزالها

④ و الضحى و الليل اذا سجى ما ودعك ربك و ما قلى

⑤ انا انزلناه فى ليلة القدر

II

(2) ANSWER All QUESTION IN ARABIC

⑤ اين الكتب الجديدة ؟

⑥ كم أختا لك ؟

⑦ كم جامعة فى بلدك ؟

⑧ اين كتاب محمود ؟

① اين الكتاب ؟

② ما اسمك ؟

③ من ربكم ؟

④ من اين انت ؟

III

(3) TRANSLATE ANY EIGHT OF THE following SENTENCES IN YOUR OWN LANGUAGE.

① الكتاب جديد والقلم قديم . ② هذا بيت حامد
③ ذهب الى المدرسة . ④ هذا ابن حامد و هذه بنت ياسر
⑤ اين حامد ؟ هو فى البيت ⑥ لغة اليابانية وهى لغة صعبة
⑦ نعم هذا بيت ⑧ أكتاب محمد هذا يا ياسر

Write ten sentences on any of the following in Arabic

① فضيلة الحلم ② اهمية اللغة العربية

③ عظمة الوالدين

☑ V

⑤ Convert the singular into the Plural any ten of the following

ولد ، صغير ، سهل ، غني ، بنت ، حال ،

ابيض ، مسجد ، طويل ، امام ؛ تحت ، مستوى

☑ VI

⑥ Define any two of the following with example.

② الجملة واقسامها ① المذكر والمؤنث

④ المعرفة و النكرة ③ الفعل الماضى

BA (Maths & Stats) I YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2017

INTERNAL ASSIGNMENT

SUB: Mathematics

Paper I: Differential Equations, ABSTRACT Algebra and Vector Calculus

Section – A

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

1. Eliminating the arbitrary constants a and b from the equation $y=ae^{2x}+be^{-2x}$ and find the differential equation.

2. Solve $\dfrac{dy}{dx} = (4x+y+1)^2$

3. Solve $\dfrac{dy}{dx} - y \tan x = y^2 \sec x$

4. Solve $(3x^2y^4+2xy)dx+(2x^3y^3-x^2)dy=0$

5. Solve $\dfrac{xdx}{y^2z} = \dfrac{dy}{xz} = \dfrac{dz}{yz}$

Section – B

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

1. Solve $\left[x + y\sin\left(\dfrac{y}{x}\right)\right]dx = x\sin\left(\dfrac{y}{x}\right)dy$

2. Solve $\dfrac{adx}{(b-c)yz} = \dfrac{bdy}{(c-a)xz} = \dfrac{cdz}{(a-b)xy}$

BA (Maths & Stats) I YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2017

INTERNAL ASSIGNMENT

SUB: STATISTICS

Paper - I: Probability and Distributions

Section – A

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

1. Explain Kurtosis?
2. Define conditional probability and Independent events
3. Define MGF and CGF
4. State and prove additive property of Poisson distribution?
5. State the characteristics of Normal distribution?

Section – B

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

1. Derive the relationship between central moments interms of raw moments?
2. State and Prove Bayes theorem?

BA (Maths & Stats) I YEAR ANNUAL EXAMINATIONS MARCH/APRIL - 2017

INTERNAL ASSIGNMENT

SUB: Applied Mathematics

Paper I: Applied Mathematics

Section – A

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

1. State and prove Lamits theorem.

2. Show that the algebraic sum of the moments of the two forces forming a couple about any point in their plane is constant and equal to the moment of the couple.

3. Define Laws of Friction and angle friction.

4 .Find when apply the principle of energy in finding the acceleration of two particles connected by a string placed over a pulley.

5. A particle moving with simple harmonic motion in a straight line has velocities v_1, v_2 at distance x_1, x_2 from the centre of its path. Show that if T be its period then $T = 2\pi \sqrt{\dfrac{x_1^2 - x_2^2}{v_2^2 - v_1^2}}$

Section – B

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

1. Show that two couples, acting in one plane upon a rigid body, whose moments are equal and opposite balance one another.

2. A particle slides down a rough plane inclined to the horizontal at an angle θ, if μ be the coefficient of friction, then find the motion.