

**INTERNAL ASSIGNMENT QUESTIONS**  
**B.Sc. (AVIATION) 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**

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

Dear Students,

Every student of B.Sc Aviation. 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 20<sup>th</sup> May 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.

**FORMAT**

1. NAME OF THE STUDENT :
  2. ENROLLMENT NUMBER :
  3. B.Sc. Aviation 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 20<sup>th</sup> May 2017 at the concerned counter at PGRRCDE, OU on any working day and obtain receipt.

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

**Prof. Shivaraj  
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".

D/L:                       
M.D.                     

BA Bcom BBA మొదటి సంవత్సరం

తెలుగు (ద్వితీయ భాష)

ఇంటర్మీడియట్ లెవెల్ మొదటి

A. సంక్షిప్త సమాధానాలు రాముండి.

$$\frac{5 \times 2}{4 \times 2 \frac{1}{2}} = 10$$

1. గాలి వాన కథా సారాంశం
2. మూషిక మార్గాల వృత్తాంతం
3. సవర్ణ బీర్ణ సంధి, సుల సంధులను ఉదాహరించి సూత్రాలను వివరించండి.
4. పుష్ప త్రస్తాకు కవితా అలంకరణ.
5. 'వరుకల' పాఠ్య భాగం సారాంశం.

B. వ్యాస రూప సమాధానాలు రాముండి

$$2 \times 5 = 10$$

6. దీనిగా నుండనుల కథా సారాంశం.
7. జాషువా ముసాధీళ్ళు ఇతివృత్తం

— \* —

VOT

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

INTERNAL ASSIGNMENT- 2016 - 2017

Course : B.Com I<sup>st</sup> 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 हैं ?
2. साहित्य और संस्कृति का क्या संबंध है ?
3. भारत में विविधता किन-किन बातों में दिखाई देती है ?
4. ~~किस~~ रहमान के चरित 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. हल्क का चरित चित्रण कीजिए ।
2. पृथ्वीराज की आँखें 'मुकामी' का सारांश लिखिए ।

Dr. SANTOSH -  
Name of the Faculty : S. Rathod

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

# Osmania University

B.A., B.COM, BBA. I YEAR (CDE) (NEW)  
SUBJECT: SANSKRIT ( SECOND LANGUAGE)  
PAPER- I.  
INTERNAL ASSIGNMENT – 2016-17.

MARKS.20.

## Part- A .

Answer All Questions . All Questions Carry Equal Marks.  
Write Short notes on the following Questions in 50 Words.

सर्वे प्रश्नाः समाधेयाः । सर्वे समानांकः ।

1. श्लोकस्य तात्पर्यं च लिखत (2)
  1. तमध्वरे विश्वजिति क्षितीशं निःशेषविश्राणित कोशजातम् ।  
उपातविद्यो 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. दिव्यौषधम्
  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 ।

# Osmania University distance education

A.,B.Sc.,B.Com. I Year,Second Language - Urdu -Internal Assessment

Marks 20

تمام سوالات کے جواب مطلوب ہیں۔

(5X2=10)

1- 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)

11- حسب ذیل سوالات کے تفصیلی جواب مطلوب ہیں۔

1- نظم ”اے شریف انسانو“ کا خلاصہ لکھیے۔

2- افسانہ ”یہ غازی یہ تیرے پر اسرار بندے“ کے کسی دو اہم کرداروں کا جائز لیجیے۔



تمام سوالات کے جواب مطلوب ہیں۔

(5X2=10)

1- 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 و ارتقاء پر مختصر نوٹ لکھیے۔

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

5- یادگار نصاب کے متعلق اپنی معلومات قلم بند کیجیے۔

(2X5=10)

11- حسب ذیل سوالات کے تفصیلی جواب مطلوب ہیں۔

1- نظم ”فنون لطیفہ“ کا خلاصہ لکھیے۔

2- اپنی پسندیدہ حکایات بیان کیجیے۔





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*Handwritten name*

Assignment  
B.A Ist Year  
Subject ARABIC

Handwritten text: *Fresh*  
*2016-17*  
*Handwritten signature*

① TRANSLATE and EXPLAIN REFERENCE TO THE CONTEXT ALL QUESTION

- I
- ① ورفعنا لك ذكرك .
  - ② لقد خلقنا الانسان في احسن تقويم
  - ③ اذا زلزلت الارض زلزالها
  - ④ والضحى والليل اذا سبحى ما ودعك ربك وما قلى
  - ⑤ انا الزلناه فى ليلة القدر

II  
② ANSWER ALL QUESTION IN ARABIC

- ① اين الكتاب ؟
- ② ما اسمك ؟
- ③ من ربكم ؟
- ④ من اين انت ؟
- ⑤ اين الكتب الجديدة ؟
- ⑥ كم اخنالك ؟
- ⑦ كم جامعة فى بلدك ؟
- ⑧ اين كتاب محمود ؟

III  
③ TRANSLATE ANY EIGHT OF THE FOLLOWING SENTENCES IN YOUR OWN LANGUAGE.

- ① الكتاب جديد والقلم قديم . ② هذا بيت حامد
- ③ ذهب اى المدرسة . ④ هذا ابن حامد وهذه بنت ياسر
- ⑤ اين حامد ؟ هو فى البيت ⑥ لغة اليابانية وهى لغة صعبة
- ⑦ نعم هذا بيت ⑧ آ كتاب محمد هذا يا ياسر

Write ten sentences on any of the following  
in Arabic

① فضيلة العلم ② أهمية اللغة العربية

③ عظمة الوالدین

17  
⑤

Convert the singular into the plural any ten  
of the following

ولد ، صغير ، سهل ، غني ، بنت ، حار ،

ابيض ، مسجد ، طويل ، امام ، تحت ، مفتوح

18  
⑥

Define any two of the following with  
example.

② الجملة واقتسامها

① المذكر والمؤنث

④ المعرفة والنكرة

③ الفعل الماضي

**B.Sc. (AVIATION) I Year 2016-17**  
**ANNUAL EXAMINATIONS MARCH/APRIL - 2017**

**INTERNAL ASSIGNMENT**

Subject: (AVIATION MATHEMATICS)

*Answer all the questions*  
*Each question carries TWO marks*

1. Define force vectors and explain how magnitude of force variable with direction.
2. Add the vectors:  
 $F_1: 50\text{lbs}, 130^\circ$   
 $F_2: 150\text{lbs}, 200^\circ$   
 $F_3 : 200\text{lbs}, 300^\circ$
3. Explain how motion of two particles connected by a string.
4. a) Write down the terms used with projectiles and find the equation to the path of a projectile.
5. A particle is projected at an angle of  $60^\circ$  with the horizontal. The horizontal range of the particle is 5kg.  
Find
  - i) The velocity of projection
  - ii) The maximum height attained by the particle

*Answer all the questions*  
*Each question carries FIVE marks*

1. Explain law of conservation of Angular momentum.
2. Suppose that you are the pilot of commercial airliner. You find it necessary to detour around a group of thundershowers, you turn at an angle of  $25^\circ$  to you original path, at an angle of  $37^\circ$  from where you left it. How much further did you have to go because of the detour?

**B.Sc. (AVIATION) I Year 2016-17**  
**ANNUAL EXAMINATIONS MARCH/APRIL - 2017**

**INTERNAL ASSIGNMENT**

Subject: FUNDAMENTALS OF AVIATION PHYSICS

*Answer all the questions*  
*Each question carries TWO marks*

1. Define i) Mass ii) Weight iii) Force iv) Pressure
2. What is absolute pressure? Differentiate heat and temperature, how do you measure temperature?
3. Write the effects of humidity, temperature, pressure and effect of wind on velocity of sound.
4. Explain the ground speed and its measurement of an aircraft using Doppler Effect.
5. Explain lift on an aircraft wing.

*Answer all the questions*  
*Each question carries FIVE marks*

1. a) Explain the laws of friction and conditions for equilibrium of the body.  
b) State i) Angle of attack ii) Chord line iii) Coefficient of lift
2. a) Explain properties interference, diffraction of light.  
b) Write short notes on pulley and screw jack.

**B.Sc. (AVIATION) I Year 2016-17**

**ANNUAL EXAMINATIONS MARCH/APRIL - 2017**

**INTERNAL ASSIGNMENT**

Subject: BASIC AVIONICS

***Answer all the questions  
Each question carries TWO marks***

1. As per ICAO, explain the categories of ILS.
2. What is purpose of 90HZ and 150 HZ modulation in localizer operation?
3. Explain the advantages of auto piloting system.
4. Explain the purpose of “ Servo motor” used in ADF system
5. Why VHF and UHF frequency used in ELT.

***Answer all the questions  
Each question carries FIVE marks***

1.
  - a) Explain the basic principle of weather radar installed on A/C.
  - b) Explain the primary and secondary radar.
2.
  - a) Explain the pulses used in reply mode of ATC transponder.
  - b) Explain the operation of side lock suppression used in ATC transponder receiver.