



**KUVEMPU UNIVERSITY**  
**OFFICE OF THE DIRECTOR**  
**DIRECTORATE OF DISTANCE EDUCATION**



Jnana Sahyadri, Shankaraghatta – 577 451, Karnataka

Ph: 08282-256246, 256426; Fax: 08282-256370; Website: www.kuvempuuniversitydde.org

E-mail: info@kuvempuuniversitydde.org, ssgc@kuvempuuniversitydde.org

**TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2019-20)**

**B.Sc. First Year (PCM & CBZ)**

**General Note:** Students are advised to read the separate enclosed instructions regarding submission of Internal Assessment Assignments.

**Part I: Topics in Language Papers**

(Students to submit IAs of **TWO** Language Papers, (among them one should be English) which they have chosen at the time of admission to the Course.)

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ	
1. 'ಬೆಳಗು', 'ಪ್ರಾರ್ಥನೆ', 'ಸಾವಿರಾರು ನದಿಗಳು' - ಈ ಕವಿತೆಗಳ ವಸ್ತು ಹಾಗೂ ಧೋರಣೆಗಳನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.	10 ಅಂಕಗಳು
2. ಆಡಳಿತ ಭಾಷೆ ಎಂದರೇನು ? ಆಡಳಿತ ಭಾಷೆಯಾಗಿ ಕನ್ನಡ ಬೆಳೆದು ಬಂದ ಬಗೆಯನ್ನು ತಿಳಿಸಿ.	05 ಅಂಕಗಳು

**ENGLISH (Language Paper)**

1. How does Charles Dickens bring out the contrast between Fact and fancy in the lesson "Definition of horse"? **10 Marks**
2. Critically analyse the poem "Full many a glorious morning I have seen". **05 Marks**

HINDI (LANGUAGE PAPER)	
1	'समाधि भाई रामसिंह' कहानी का सारांश लिखिए। <b>10Marks</b>
2	कवि धर्मवीर भारती का परिचय देते हुए 'कविता की मौत' के उद्देश्य को समझाईए। <b>05Marks</b>

## DEPARTMENT OF URDU

### ASSIGNMENT FOR FIRST YEAR B.A./B.Sc./B.COM/BBM URDU LANGUAGE

Paper- I TITLE: PROSE, POETRY, FICTION AND FORMS OF LITERATURE		
10 Marks	<p>علامہ اقبال کا سفر بنگلور و میسور کی روداد قلم بند کیجئے۔ یا مولانا الطاف حسین حالی سیرت و شخصیت پر اظہار خیال کیجئے۔</p>	1
5 Marks	<p>لظم "خاک ہند" یا "دیہات کی ایک شام" کا خلاصہ اپنے الفاظ میں لکھئے۔</p>	2

SANSKRIT (LANGUAGE PAPER)		
1	<p>I. भर्तृहरिय काल-दश-कृतिगणनु कुरितु प्र, बन्ध बरैयुरि. Marks भार्तृहरे:जीवन-काल-ग्रन्थानां विषये प्रबन्धमेकं लिखत। Write an essay on the life, period and works of Bhatruhari.</p>	10 Marks
2	<p>II. एकरस्य लघुटिप्पणीं लिखत। ए कं गिन यावुदादरु बन्धरु बग्ने ङिप्पणं बरैयुरि Write shorts notes on any one of the following. मूर्खाणां लक्षणानि। Characteristics of fools. मूर्खण लक्षणगणु. अथवा or अनन्तवर्मणे वसुरक्षितस्य उपदेशः। Vasuraksita's advice to King Anantavarn अनन्तवर्मण राजनिके मन्त्रि, याद वसुरक्षितन हितवचनगणु.</p>	05 Marks

## Part II: Topics in Optional Papers

### Notes:

1. Students to submit Internal Assignments of THREE Optional Papers (PCM or CBZ) in accordance with the combination opted by them.
2. Out of 15 Internal Assignment marks per Optional Paper, 5 marks are earmarked for the attendance of the student at the Counseling/ Contact/ Practical Programme. Therefore, the topics given below are only for 10 marks each paper. (For Mathematics paper 25 Marks).

### PHYSICS *Answer all Topics*

Topic Number		Maximum 10 Marks
1.	Define moment of inertia and radius of gyration. Derive an expression for moment of inertia of a rectangular plate about an axis passing through its centre and perpendicular to its plane.	05 Marks
2.	Write Galilean transformation equations. Show that a frame moving with a uniform velocity relative to an inertial frame is also an inertial frame.	05 Marks

### CHEMISTRY

*Answer all Topics*

Topic Number		Maximum 10 Marks
1.	Explain the acidic character of acetylene.	03 Marks
2.	Explain $SN^1$ reaction with mechanism.	04 Marks
3.	Describe the mechanism of nitration of benzene.	03 Marks

### MATHEMATICS

*Answer all Topics*

Topic Number		Maximum 25 Marks
1.	Find the least positive incongruent solution of $3x \equiv 9 \pmod{25}$	05 Marks
2.	Derive pedal equation with usual notations and hence find the pedal equation of the curve $r = a\theta$	05 Marks
3.	Find the equation of the plane through the point (1,2,3) and the line $l: x = 2 + t, y = 2 + 2t, z = -3t$ .	05 Marks
4.	Find the position and the nature of the double points of the curve $x^4 - 2ay^3 - 3a^2y^2 - 2a^2x^2 + a^4 = 0$	05 Marks
5.	Evaluate $\int \frac{3x+1}{2x^2-x+5} dx$	05 Marks

<b>Topic Number</b>	<b>BOTANY</b> <i>Answer all Topics</i>	<b>Maximum 10 Marks</b>
1.	Give an account of different types of Lichens with suitable diagrams and their economic importance.	<b>05 Marks</b>
2.	Explain the structure and asexual reproduction in Rhizopus with suitable diagram. Mention their economic importance.	<b>05 Marks</b>

<b>Topic Number</b>	<b>ZOOLOGY</b> <i>Answer all Topics</i>	<b>Maximum 10 Marks</b>
1.	Describe female urinogenital system of Rabbit with labeled diagram.	<b>05 Marks</b>
2.	Explain the life history of <i>Plasmodium vivax</i> in mosquito.	<b>05 Marks</b>

### Part III: Topics in Compulsory Paper

<b>Topic Number</b>	<b>ENVIRONMENTAL SCIENCE</b> <i>Answer all Topics</i>	<b>Maximum 15 Marks</b>
1	Discuss the use and over utilization of ground water. CAVAdð@zÀ §¼ÁPE ºÁÁvÁÁÚ «Áw«ÁÁjzÀ §¼ÁPEÁiÁÁ PÁÁjvÁÁ ZÁað¹.	<b>10 Marks</b>
2	Write a note on structure and function of an ecosystem ¥Áj,ÁgÁ ºÁáªÁ,ÉÚAiÁÁ gÁZÁÉÉ ºÁÁvÁÁÚ PÁAiÁÁðzÀ PÁÁjvÁÁ §gÉ-Áj.	<b>05 Marks</b>

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