



KUVEMPU UNIVERSITY
OFFICE OF THE DIRECTOR
DIRECTORATE OF DISTANCE EDUCATION



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TOPICS FOR INTERNAL ASSESSMENT ASSIGNMENTS (2009-10)

Course: **B.Sc.** - Second 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

Note 1: Students to submit IAs of **TWO** Language Papers, which they have chosen at the time of admission to the Course - among them one should be English.

2. Out of 20 internal IA marks per **Language Paper**, 5 marks are earmarked for the attendance of the student at the Counseling/ Contact/ Programme. Therefore, the topics given below are only for 15 marks each paper.

ಕನ್ನಡ (ಭಾಷಾ ಪತ್ರಿಕೆ)

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| 1. ಭೀಷ್ಮ ಪಟ್ಟಾಭಿಷೇಕ ಪ್ರಸಂಗದ ವೈಶಿಷ್ಟ್ಯ ಕುರಿತು ಬರೆಯಿರಿ. | 10 ಅಂಕಗಳು |
| 2. ಕನ್ನಡ ಸಣ್ಣ ಕಥೆಗಳ ಬೆಳವಣಿಗೆಯನ್ನು ಕುರಿತು ಬರೆಯಿರಿ. | 5 ಅಂಕಗಳು |

ENGLISH (Language Paper)

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| 1. Who, according to you, is the real hero of the play 'Julius Caesar'? | 10 Marks |
| 2. Summarise Plonius' advice to his son. | 5 Marks |

हिन्दी (भाषा)

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|---|----------|
| 1. सरकारी और अर्ध-सरकारी पत्रों के अंतर को समझाते हुए दोनों प्रत्येक पत्रों के प्रारूप तैयार कीजिए। | 10 Marks |
| 2. संज्ञा की परिभाषा देते हुए उसके भेदों को सोउद्वारण लिखिए। | 5 Marks |

SANSKRIT (Language Paper)

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| 1. ಹನುಮಂತನು ಎಸಗಿದ ಅಶೋಕವನದ ಧ್ವಂಸ ಕಾರ್ಯವನ್ನು ವಿವರಿಸಿ.
Explain "अशोकवन ध्वंस" done by Hanuman. | 10 Marks |
| 2. ಲಘು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ - ಶಂಖ ಚೂಡ
Write Short notes on - शंखचूड: | 5 Marks |

URDU (Language Paper)

(Answer all topics. Topic 1 carries 10 marks and topic 2 carries 5 marks)

- ① "مضمون" اردو زبان و ادب کی ابتدا، "میر ووشنی ڈالیے"
- ② نظم "ایسٹ انڈیا کمپنی کے فرزندوں سے" کا خلاصہ لکھیے

Part II: Topics in Optional Papers

- Note:** 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. Also note that for Mathematics paper IA marks are 30 and hence topics are given for 25 marks.

Topic Number	PHYSICS <i>Answer all Topics</i>	Marks
1.	Give the Fresnel's theory of optical rotation.	05
2.	A resistor and inductor are connected in series across a voltage $V=283 \sin 314t$. The current is found to be $4 \sin (314t-\pi/4)$. Find the values of the inductance and resistance.	05

Topic Number	MATHEMATICS <i>Answer all the Questions. Each question carries FIVE marks</i>
1.	State and prove Lagrange's Mean Value Theorem in an interval $[a, a+h]$.
2.	Prove that <ol style="list-style-type: none"> i) The normalizer of an element 'a' of a group G is a subgroup of G. ii) The center of a group G is a subgroup of G.
3.	If $\lim_{n \rightarrow \infty} \{x_n\} = l$ then prove that $\lim_{n \rightarrow \infty} \{ x_n \} = l $. Whether converse of this is true? Illustrate with example.
4.	Show that <ol style="list-style-type: none"> i) A non decreasing sequence which is not bounded above diverges to $+\infty$. ii) A non increasing sequence which is not bounded below diverges to $-\infty$.
5.	Find the sum to infinity of $\sum_{n=1}^{\infty} (-1)^{n+1} \frac{x^n}{n(n+1)(n+2)}$.

Topic Number	CHEMISTRY	Marks
1.	(a) Define degree of polymerization. (b) Explain Arrhenius collision theory of reaction rates.	05
2.	(a) Discuss the types of hydrogen bonding with examples. (b) Explain (i) Esterification (ii) Alkylation, with examples.	03 02

BOTANY

Topic Number	<i>Answer all Topics. Draw diagrams wherever necessary.</i>	Marks
1	Write a note on Plant Succession.	05
2	Explain Secondary Growth in Dicot Root and Stem with suitable Diagrams.	05

ZOOLOGY

Topic Number	<i>Answer all Topics. Draw diagrams wherever necessary.</i>	Marks
1	Write a note on Blood.	05
2	Write a note on Vitamins and their biological role.	05

Part III: Topics in Mandatory Paper

Note: Out of 20 Internal Assignment marks of Mandatory Paper, 5 marks will be awarded for regularity (attendance) to Counseling/ Contact Programme classes pertaining to the paper. Therefore, the topics given below are only for 15 marks.

ಭಾರತದ ಸಂವಿಧಾನ / INDIAN CONSTITUTION

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| 1. | ರಾಜ್ಯ ನಿರ್ದೇಶಕ ತತ್ವಗಳನ್ನು ಕುರಿತು ಚರ್ಚಿಸಿ. | 10 Marks |
| 2. | ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಯ ತುರ್ತುಪರಿಸ್ಥಿಯ ಅಧಿಕಾರಗಳು ಮತ್ತು ಸ್ಥಾನಮಾನ ವನ್ನು ವಿವರಿಸಿ. | 05 Marks |
| 1. | Discuss on Directive Principles of state policy. | 10 Marks |
| 2. | Explain the Emergency Powers and Positions of the President of India. | 5 Marks |
