

DIRECTORATE OF DISTANCE EDUCATION

S 010 - B.SC. MATHEMATICS

SECOND SEMESTER

Academic Year : 2021 - 2022

ASSIGNMENT TOPICS

This booklet contains assignment topics. Students are asked to write the assignments for **FOUR** papers as per instructions.

Last date for submission -: **15.05.2022**

Last date for submission with late fee '300/-:31.05.2022

NOTE:

- 1. Assignments sent after **31.05.2022** will not be evaluated.
- 2. Assignments should be in the own handwriting of the student concerned and not type-written or printed or photocopied.
- 3. Assignments should be written on A4 paper on one side only.
- 4. All assignments (with Enrolment number marked on the Top right hand corner on all pages) should be put in an envelope with superscription "B.Sc. Mathematics" and sent to The Director, Directorate of Distance Education, Annamalai University, Annamalainagar 608 002 by Registered post.
- 5. No notice will be taken on assignments which are not properly filled in with *Enrolment Number* and the *Title* of the papers.
- 6. Students should send full set of assignments for all papers. Partial assignments will not be considered.

ASSIGNMENT INSTRUCTIONS

Write assignments on **FIVE** questions in each paper. For each question the answer should not exceed 4-pages. Each assignment carries 25 marks (5questions). You are expected to write **FIVE** questions for every subject.

Dr. R SINGARAVEL
DIRECTOR

011E1210 – பகுதி-IIசெய்யுளும் இலக்கணமும்-II

- 1. சீவகன் கேமசரியார் இருவருக்கும் நடைபெற்றதிருமணம் குறித்துவிளக்குக.
- 2. மூதின் முல்லைப் பாடல் கருத்தினைதெளிவுபடுத்துக.
- 3. உருபுமயக்கம் விளக்கம் தருக.
- 4. "புறப்புண் ணாணிவடக்கிருந்ததோனே" விளக்குக.
- 5. சீவகன் வழிப்போக்கனுக்குக் கூறியஅறிவுரைகள் யாது?

Or

Part – I Hindi Prose - II

दो कीसप्रगंगव्याख्या कीजिए

- 1.जबतकसाँ स, तबतकआस । डॉक्टरकोतोअवश्य दिखानाचाहिए, बाकीजैसीआपकीइच्छा ।
- 2. मैं नेतुझे पुकाराथा, परबेबीको नहीं । तुझे मालू महै किबेबीको मेरेपास किसवक्तला नाहो ताहै और किसवक्त नहीं ।
- 3.वापसी 'एकांकीकासारलिखकरलालचकापरिणामस्पष्ट समझाइए?
- 4.रात के राही की मिसलीलाकापात्र-चरित्रण लिखिए ?
- 5.कारक के भेदोको समझाइए ?

011E1220 -ENGLISH THROUGH LITERATURE II: PROSE

- 1. A Critical Appreciation of "Elegy Written in a Country Churchyard.
- 2. "My Last Duchess" as a Dramatic Monologue.
- 3. Significance of the title of the poem, "Mending Wall."
- 4. Evaluation of thought in "Snake."
- 5. English Verbs.

II SEMESTER – 010E1230: Core Course 2

Vector Calculus and Three dimensional Analytical Geometry Assignment

- 1. Prove $\nabla[\nabla \mathbf{r}^n] = n(n+1)r^{n-2}$.
- 2. Show that the work done in moving a particle in a force field $F = 3xy\vec{i} + (x+y)\vec{j} z\vec{k} \text{ along the curve } x = t+1, y = t-1, z = t^2 \text{ from } (2,0,1) \text{ to } (4,2,9) \text{ is } -12.$
- 3. Show that the straight lines whose $d \cdot c$ are given by 2l m + 2n = 0 and lm + mn + nl = 0 are at right angles.
- 4. Find the shortest distance between the lines $\frac{x-1}{2} = \frac{y-2}{3} = \frac{z-3}{4}$ and $\frac{x-2}{3} = \frac{y-3}{4} = \frac{z-4}{5}$ Are they coplanar?
- 5. Prove that the equation $2x^2 + 2y^2 + 7z^2 10yz 10zx + 2x + 2y + 26z 17 = 0$ represents a cone whose vertex is (2,2,1).

Accountancy IIAnswer **all** questions:

Max.Mark:25 5 X 5 = 25

- 1. Define the term
 - a) Royalty.
 - b) Minimum Rent
 - c) Short workings
 - d) Recoupment of Short workings
- 2. Difference between Hire Purchase and Instalment Purchase System.
- 3. What is Profit Prior to incorporation and Loss prior to incorporation?
- 4. What are the contents of Partnership deed?
- 5. What do you understand by Fixed and Fluctuating capitals?