

ALAGAPPA UNIVERSTIY STUDY CENTRE TUTICORIN

2nd SEM ASSIGNMENT QUESTION

INTERNAL MARK: 25 / PER SUBJECT

B.Sc Maths

11321A தமிழ் - II

1. கல்வி வளர்ச்சியில் இணையம் பயன்படுமாற்றை விவரிக்க ?
2. உலகோர்க்கு உயிரை ஈவான் - விளக்குக ?
3. நீலபத்மநாபனின் இலக்கியப் பணிகளைச் சுட்டி வரைக ?
4. தமிழ்மொழியின் முதலெழுத்துக்கள் குறித்து எழுதுக ?
5. தமிழில் சிறுகதையின் தோற்ற வரலாற்றை எடுத்துரைக்க ?

OR

11321B COMMUNICATION SKILLS – II

1. Discuss the characteristics features of social and interpersonal skills.
2. Write a note on the structure of effective sentences with adequate examples.
3. What is the role of a reporter?
4. What are the barriers for effective communication?
5. What are the guidelines that are to be followed in order to make speech most effective?

11322 ENGLISH PAPER II

1. What does Spender's "The Express" symbolize?
2. How did Portia save Antonio's life?
3. Write a note on the purpose of a report.
4. Explain the lines, "Heard melodies are sweet, but those / Unheard are sweeter."
5. In what ways are the fishermen "kings of the sea"?

11323 ANALYTICAL GEOMETRY AND VECTOR CALCULUS

1. Find the image of the point (1,3,4) under the reflection in the plane $2x - y + z + 3 = 0$
2. Find the distance between the parallel planes $2x - 2y + z + 3 = 0$ and $4x - 4y + 2z + 5 = 0$
3. Find the equation of the right circular cylinder, whose axis is $\frac{x}{2} = \frac{y}{3} = \frac{z}{6}$ and radius 4.
4. Find the equation of the sphere passing through the points (0, 0, 0), (1, 0, 0), (0, 1, 0) and (0, 0, 1)
5. Find the angle between the two lines $2x - 3y = 10$ and $x + y = 5$

11324 SEQUENCES AND SERIES

1. Prove that any Cauchy sequence is a bounded sequence.
2. Prove Abel's theorem
3. Test the convergence of the series $1 + \frac{3}{7}x + \frac{3.6}{7.10}x^2 + \frac{3.6.9}{7.10.13}x^3 + \dots$
4. Prove the Cauchy's first limit theorem i.e If $(a_n) \rightarrow l$ then $(\frac{a_1 + a_2 + \dots + a_n}{n}) \rightarrow l$
5. Show that a sequence cannot converge to two different limits.