

# KANYASHREE UNIVERSITY

M.Sc. 1<sup>st</sup> Semester Examination-2024

Subject: Food & Nutrition

Course- CC 6

Food Analysis and Applied Physiology

Full Marks-20

Time-1.00 Hour

[Answer **any four** of the following]

(5×4=20)

1. Differentiate between monosaccharides and oligosaccharides. What is anthrone reagent and why is it used? [2+1+1]
2. Write down the RDA of calcium of a lactating sedentary, moderate and heavy female worker. How will you estimate the presence of calcium in a food? [2+3]
3. Briefly describe the Bradford's Protein estimation method. [5]
4. What is saponification value? How will you calculate the saponification value of fatty acids? Name the essential fatty acids. [1+3+1]
5. Define chromatography. How will you separate amino acids by paper chromatography? [1+4]
6. How will you estimate the moisture content of a food? [5]
7. Differentiate between soluble and insoluble fibre. How will you determine the presence of gluten in a food? [2+3]

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