

Cell Biology (LS3102) Midsemester Exam on September 17, 2018

Answer all questions

Marks: 20; Time: 1 hour

1. Where is GPI transaminidase localized in a mammalian cell? Briefly describe its role.
(3)
2. Between 'glucose transporter' and 'protein disulfide isomerase', which one is expected to contain a C-terminal KDEL sequence and why? What is the function of the KDEL receptor?
(3 + 2)
3. What is the significance and mechanism of ER associated protein degradation (ERAD)?
(5)
4. What is secondary active transport? How does it differ from the transport processes that are mediated by ATP powered pumps?
(4)
5. What are SNARE proteins? Briefly mention their function in vesicular transport.
(3)

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5/11/18