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\begin{aligned}
& \text { Candidates are required to give their answers in their own words } \\
& \text { as far as practicable. }
\end{aligned}
$$ (h) State any two functions of dispatcher. (g) Explain the functionality of spooling. (f) Why is 'aging' performed? (e) Differentiate between preemptive and non-preemptive process scheduling (d) What is context-switching? Answer any five questions:

The figures in the margin indicate full marks. (c) Mention the use of Medium-term scheduler. (b) What is the functionality of fork( ) system call? (a) Differentiate between multiprogramming and multiprocessing.

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\text { Answer question no. } 1 \text { and any four questions from the rest }
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\begin{aligned}
& \text { L-OD: .ooded } \\
& \text { COMPUTER SCIENCE - HONOURS }
\end{aligned}
$$

8. (a) What are i-nodes? Mention two of its uses.
(b) Mention the use of FAT.
(c) Discuss some functionalities of the kernel.
(d) What is the mechanism of interrupt I/O cycle?

