

UNIVERSITY OF CALCUTTA

FAKIR CHAND COLLEGE

B.SC. SEM-IV (Gen) EXAMINATION : 2020

PAPER : CMSG-GE-4/CC-4.3

F.M.- 50 (10+25+15)

Time-2hrs

(Internal Assessment)

F.M.-10

1. **Answer any two Questions :**

2 X 5 = 10

- a) Define kernel.
- b) Define process control block ?
- c) What is memory allocation ?

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(Theory Examination)

F.M.- 25

1. Answer any five questions :

5 X 5 = 25

- a) What is time sharing OS ?
- b) Distinguish between multitasking and batchprocessing.
- c) What are system calls?
- d) What are the advantages of round robin OS algorithm?
- e) What is short term scheduling ?
- f) What are the advantages of paging ?
- g) What is RAG in deadlock?

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(Practical Examination)

F.M.- 15

1. Answer the questions :

3 X 5 = 15

- a) What is Swap space ?
- b) What is Linux kernel ?
- c) Write function of 'cp' command in linux.