

computer science

(general)

course :401

(operating system)

Full Marks:20

Time:1 hours

*(The figures in the margin indicate full marks for the question)*

1 Write answer of the following (any three)

1X3=3

- (a) What is Real-Time System?
- (b) What is Process control Block
- (c) Define paging
- (d) Define file

2. Answer the following (any three)

2X3=6

- (a) Write any two operating system service
- (b) Write difference between RR and SJF scheduling
- (c) What is swapping explain briefly
- (e) What is Directory structure

3. Answer the following (Any two)

3X2=6

- (a) Differentiate between Multi-programmed batched operating system
- (b) What are various states of process? Explain
- (c) Explain briefly the file operation

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4. Answer the following (Any one)

- (a) Explain with the help of diagram paging and segmentation
- (b) Explain in brief different technique for file space management

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