Operating System 2KS-CS-01

Time : 3 hrs.

M.M: 100

Note:-

- 1 Part A may be attempted in first 6 pages of Answer Sheet भाग क के सभी उत्तर, उत्तर-पुरिसका के प्रथम छ पृष्ठों में ही करने हैं।
- 2 Part B in rest of the Sheets of Answer Sheet भाग स्व के उत्तर, उत्तर-पुस्तिका के अगले शेष पृष्ठों में लिखिये।
- Answers may be given in English or Hindi प्रश्नों के उत्तर आग्रेजी अथवा हिन्दी में दीजिये।

PART - 'A'

Engineer

1. Answer any ten questions:

(10x2=20)

- (a) What are the main purpose of an operating system?
- (b) What is process synchronization?
- (c) What is a real time system?
- (d) Define segmentation
- (e) What is an interrupt?
- Define linked allocation?
- (g) What is a compiler
- (h) Define paged allocation?
- (i) What is the relation between operating system and computer hardware?
- What is an assembler?
- (k) Explain how multiprogramming increases the utilization of CPU?
- (I) What are the various methods of handling deadlocks?
- (m) Briefly explain the indexed allocation method?

Answer any five questions :

(5x4=20)

- (a) Differentiate between Batch processing system and Real time processing system?
- (b) Define the process ? Explain the process states with diagram ?
- (c) Explain the different techniques to recover system from dead lock?

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