

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

(Autonomous) (ISO/IEC - 27001 - 2013 Certified)

WINTER - 2019 EXAMINATION

Subject Name: Operating System

Model Answer

Subject Code: 22516

Important Instructions to examiners:

- The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- The language errors such as grammatical, spelling errors should not be given more Importance (Not applicable for subject English and Communication Skills.
- 4) While assessing figures, examiner may give credit for principal components indicated in the figure. The figures drawn by candidate and model answer may vary. The examiner may give credit for any equivalent figure drawn.
- Credits may be given step wise for numerical problems. In some cases, the assumed constant values may vary and there may be some difference in the candidate's answers and model answer.
- In case of some questions credit may be given by judgement on part of examiner of relevant answer based on candidate's understanding.
- For programming language papers, credit may be given to any other program based on equivalent concept.

Q. No	Sub Q. N.	Answer	Marking Scheme
1.		Attempt any Five of the following:	10 M
	.00	Define real time operating system. List its any four applications of it.	2 M
	Ans	Real time Operating System: A real time system has well defined fixed time constraints. Processing should be done within the defined constraints -Hard and Soft real time system. OR The real-time operating system used for a real-time application means for those applications where data processing should be done in the fixed and small quantum of time. Types of real time operating system 1. Hard real-time 2. Soft real-time Applications: 1. Flight Control System 2. Simulations 3. Industrial control 4. Military applications	1 Mark :- Definition; 1 Mark :- for any 4 correct application s

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