Question 1 0 /	/ 1 po
The author of the paper (David Parnas) describes some causes of software aging. Mark the alternating agree with the author's opinions on the causes of software aging.	ves tl
Select 2 correct answer(s)	- +-
There are so many changes to a software system that make it impossible to software developer change it in the future.	
The software system is based on an older operating system losing market share, which decrease value to end users.	es its
When developers fail to release allocated memory, software systems slow down and age.	
Software system's files may grow and require pruning, with swap and file space degrading performance.	
Software developers do not change software according to users' expectations, who view the the software as old and outdated.	е
Inappropriate changes are made to the software system without abiding by the original design decisions.	
Question 2 0.667 /	/ 1 po
The author of the paper (David Parnas) describes some costs associated to software aging. Mark the alternatives that agree with the author's opinions on the costs of software aging. Select 3 correct answer(s)	е
A large code base eventually leads software developers to not choose new technologies, prever system upgrades that will adapt the software system to improved technologies.	nting
Deteriorating software structure usually degrades space/time performance of the software syst	em.
Changes made to aging software tend to introduce more bugs.	
Restructuring the software system becomes impossible because of previous bad design decision Adding more developers to the software project only brings more communication challenges, m difficult to perform software changes.	naking
Software documentation costs becomes too high because documentation was left to be done a software release.	fter
Developers find it increasingly hard to modify the system to keep up with the market.	
Question 3	/ 1 po
The author of the paper (David Parnas) describes some preventive measures to avoid or postpone s aging. Mark the alternatives that agree with the author's opinions on the preventive measures again software aging.	
Select 3 correct answer(s) Use configuration management tools to record all the commits by developers, which will assure knowledge of design decisions.	
 Stop the software deterioration by removing a large part of the software system that is causing problems. 	
$\begin{tabular}{ll} \hline \lor Use reviews from other professionals, since second opinions are important in every profession, software professionals included. \end{tabular}$	
Design the software system for changes, by using information hiding and abstraction technique	s.
Use new technologies that incorporate design decisions in the source code.	
Improve documentation by recording design principles and decisions in an useful form to future maintainers.	*
Accept the fact that software systems will age, and prepare for retiring the aging software systems.	m.
Question 4 0.75 /	1 po
The author of the paper (David Parnas) describes some corrective measures to treat software aging the alternatives that agree with the author's opinions on the corrective measures to treat software Select 4 correct answer(s)	
Slow down software deterioration by reintroducing structure in the software system.	
Use new technologies that incorporate design decisions in the source code.	
✓ Upgrade the quality of the documentation retroactively. Use configuration management tools to record all the commits by developers, which will lead to knowledge of design decisions.) bett
	tracti
Reduce the software deterioration by removing a large part of the software system that is causi problems.	ng
Invest in educating the software developers to be aware of the software aging process.	
Use software metrics analysis to better understand the parts of the software system that are ag	ing.
Question 5 0.5 /	/ 1 po
The author of the paper (David Parnas) describes some necessary changes to software organization better deal with software aging. Mark the alternatives that agree with the author's opinions on the planning ahead changes.	
Select 4 correct answer(s) Design must be created and documented during coding, not after it is done.	

	(-)	problems.	
		Invest in educating the software developers to be aware of the software aging process.	
	V	Use software metrics analysis to better understand the parts of the software system that are	aging.
C	Q ues	stion 5 0).5 / 1 poi
	bet	e author of the paper (David Parnas) describes some necessary changes to software organizat ter deal with software aging. Mark the alternatives that agree with the author's opinions on t nning ahead changes. ct 4 correct answer(s)	
		Design must be created and documented during coding, not after it is done.	
	~	Designing for change should be an integral part of software organizations.	
		Financial planning is also needed for replacement of aged software.	
	~	Today's pressures should not prevent better standards on structure and documentation.	
		$\label{thm:measures} \mbox{Measures against software aging need to be taken as part of designer-developer conversation software team.}$	ons in the
	(-	Software developers need to learn to use software structure analysis tools to better deal wit software.	th aging
		Invest in educating the software developers to be aware of the software aging process.	
		There must be more upfront design instead of rushing to code solutions as in current agile development processes.	
C	Ques	stion 6	1 / 1 poi

The author of the paper (David Parnas) describes some barriers to progress in the software engineering profession. Mark the alternatives that agree with the author's opinions on the those barriers to progress.

	to poor maintenance practices.
*	There is a lack of professional identity and education on software engineering as a profession.
	Incremental and iterative processes avoid appropriate design and documentation practices. Software developers generally do not know appropriate reverse engineering and reengineering practices.
*	There is intellectual isolation from different industries that rely on software.

Software engineering researchers generally write papers focused on other researchers, not on software practitioners.

Software industry is focused on short-term changes.