Version: 6.0

Question: 1	
Rbi may include methodologies to assess the effectiveness of the managem	ent systems in maintaining
A. Mechanical integrity B. Total asset integrity C. Plant integrity	
	Answer: A
Question: 2	
Equipment reliability is especially important if leaks can be caused by	
A. Secondary failures, such as loss of utilitiesB. Primary failures such as leak due to severe corrosionC. Tertiary failures due to valve gland packing leak	
	Answer: B
Question: 3	
Reliability efforts, such as reliability centered maintenance (rem), can be li integrated program to	nked with rbi, resulting in an
A. Reduce downtime in an operating unitB. Reduce operating time of a unitC. To reduce risk by mitigation activities	
	Answer: A
Question: 4	
In jurisdictions that permit the application of the API Inspection Codes and s	standards
A. Rbi should be an acceptable method for setting inspection plans. B. Rem should be an acceptable method for setting the inspection plans C. Pha	
	Answer: A
Question: 5	

to be established to judge acceptability of risk could assessment if such criteria do not exist already within the user's company.	he an objective of the rbi
A. Risk criteria B. Risk plan C. Risk analysis	
	Answer: A
Question: 6	
is usually not the primary objective of a rabi assessme effect of optimization.	ent, but it is frequently a side
A. Reducing inspection costsB. Increasing inspection costsC. Increasing frequency of inspection programs	
	Answer: A
Question: 7	
Question: 7 When the inspection program is optimized based on an understanding following cost reduction benefits may be realized. Except one	of risk, one or more of the
When the inspection program is optimized based on an understanding following cost reduction benefits may be realized. Except one A. Ineffective, unnecessary or inappropriate inspection activities may be eliminate B. Effective, necessary or appropriate inspection activities may be eliminate C. On-line or non-invasive inspection methods may be substituted for in	minated ed
When the inspection program is optimized based on an understanding following cost reduction benefits may be realized. Except one A. Ineffective, unnecessary or inappropriate inspection activities may be eliminated. B. Effective, necessary or appropriate inspection activities may be eliminated.	minated ed ovasive methods that require
When the inspection program is optimized based on an understanding following cost reduction benefits may be realized. Except one A. Ineffective, unnecessary or inappropriate inspection activities may be eliminated. B. Effective, necessary or appropriate inspection activities may be eliminated. C. On-line or non-invasive inspection methods may be substituted for integrating equipment shutdown	minated ed ovasive methods that require
When the inspection program is optimized based on an understanding following cost reduction benefits may be realized. Except one A. Ineffective, unnecessary or inappropriate inspection activities may be eliminated. B. Effective, necessary or appropriate inspection activities may be eliminated. C. On-line or non-invasive inspection methods may be substituted for integrating equipment shutdown	minated ed nvasive methods that require ve frequent inspections Answer: B

The following are the risks identified by rbi assessment that may be managed by actions other than inspection. Except one

- A. Modification of the process to eliminate conditions driving the risk
- B. Modification of operating procedures to avoid situations driving the risk
- C. Chemical treatment of the process to reduce deterioration rates/susceptibilities
- D. Identifying and detecting deterioration and predicting future deterioration states with advanced inspection technique(s)

	Answer: D
Question: 9	
For qualitative rbi analysis it us important to establish a set of rules to as	ssure consistency in
A. Categorization or classification B. Segregation C. Ranking	
	Answer: A
Question: 10	
Generally, a qualitative analysis using broad ranges requires aquantitative approach.	from the user than a
A. Higher level of judgment, skill and understanding B. Lower level of judgment, skill and understanding	
	Answer: A
Question: 11	
The models are evaluatedto provide both qualitative ar level of risk and to identify the design, site, or operational characteristic risk	
A. Probabilistically B. Statistically C. Linearly D. Logically	
	Answer: D
Question: 12	
Potential source of errors in rbi analysis regarding data quality are the fo	ollowing except
A. If the base line thickness were not performed the nominal thickness	ess may be used for the original
B. If original thickness not available, averaged ut thickness readings may C. If the original thickness not available, maximum ut thickness readings	
	Answer: A

Question: 13	
Potential source of errors in rbi analysis regarding data quality are the follow	ring except
A. Assumptions in equipment historyB. Outdated drawings and documentationC. Inspector errorD. Advanced inspection methods	
	Answer: D
Question: 14	
The following assumption can be made that significantly impact the calculat equipment life	ed corrosion rate early in the
A. If the base line thickness were not performed the nominal thickness rethickness B. If original thickness not available, averaged ut thickness readings may be c. C. If the original thickness not available, maximum ut thickness readings may	used

Answer: A