



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, 2020

Program/course: B.Tech.GSE/GIE
Subject: Asset Management
Code : GSEG 411

Semester – VIII
Max. Marks : 100
Duration : 3 Hrs

SECTION – A (3*10M = 30M)			
S.No.		Marks	CO
Q.1	<p>Fill in the blanks:</p> <p>(i) Asset is defined as a resource with economic value that is owned by an individual, corporation or country which has a present value or with the expectation that it will provide -----</p> <p>(ii) ----- is incurred on the Initial development of an industry</p> <p>(iii) ----- defines the objectives, nature of activities of the organization and the target clients that it desires to serve</p> <p>(iv) ----- assets are those that will be consumed within one year.</p> <p>(iv) ----- is the likelihood that a particular outcome will occur ..</p> <p>(v) An asset management plan is a living document which is ----- frequently.</p> <p>(vi) Asset Management ----- is the process which is used by a company or organization to realize value from assets in the achievement of its (organization) objectives.</p>	[10]	CO1

	<p>(vii) ----- Management is the process of allocating resources in the best opportunities to achieve company's financial goals in the short & long term</p> <p>(viii) ----- is charged from the start of production.</p> <p>(ix) Annual Net Cash Flow is calculated by Gross Revenue – (Royalty + Capex + Opex + -----)</p> <p>(x) The ----- concept is a method for combining probability of risk with NPV to yield a risk-adjusted decision criterion</p>		
<p>Q.2</p>	<p>State whether True or False. If False, give the correct answer.</p> <p>(i) Lost time injury is a profit related incident that results in a worker being able to return to work.</p> <p>(ii) It is not required for the companies to balance the commercial, technical, community & regulatory needs to raise the cost of asset.</p> <p>(iii) Asset management plan is the systematic process of deploying, operating, maintaining, upgrading, and disposing of tangible and intangible assets ignoring cost factor.</p> <p>(iv) Setting Asset Management objectives provides an important foundation for building a weak track record by the company.</p> <p>(v) The technical road map consists of developing a Gantt chart for engaging the community for developing the asset.</p> <p>(vi) Clearly defined roles and responsibilities in any industry can have a negative impact on the company as a whole, particularly on asset value enhancement.</p> <p>(vii) Effective planning and financial control help companies to ensure the efficient & effective use of resources</p> <p>(viii) The Regulatory Road Map describes a Gantt chart for engaging the community for developing the asset.</p> <p>(ix) Ergonomics is the science of designing particular equipment for a suitable workplace.</p>	<p>[10]</p>	<p>CO2</p>

	(x) The objective of asset management is to capture maximum value of an asset by violating company or host Govt's policies .		
Q.3	<p>Choose the most appropriate answer</p> <p>(i) When the focus of the audit is for “one task”, it is usually referred to ----- (a) Peer Review (b) AAR (c) Post Audit</p> <p>(ii) The most important milestone in the life – cycle of an asset is when it starts generating ----- (a) Revenue (b) Negative cash flow (c) Negative NPV</p> <p>(iii) While start of production is a time for celebration for a Company or industry, it is also a time when reality meets ----- (a) Expectations/ Assumptions (b) Profit (c) Asset management process</p> <p>(iv) The process of comparing actuals results against projections is called ----- (a) Look Back Process (b) Look Ahead process (c) Gantt Chart</p> <p>(v) Asset values are calculated at each major decision ----- (a) Business (b) Gate (c) Profit</p> <p>(vi) KPI stands for ----- (a) Knowledge performance Index (b) Key Performance Indicators</p> <p>(vii) Large Global currency fluctuation falls under ----- factors. (a) Controllable (b) Uncontrollable (c) None of the these</p> <p>(viii) Goal of a company's policy is ----- (a) Only focusing on production (b) Zero injuries (c) Producing waste (d) Increasing number of injuries</p> <p>(ix) The scope of Post Audit includes continuous performance ----- for the overall system of the company (a) Opportunities (b) Improvement (c) Days Sales Opportunities</p> <p>(x) The timing of the 1st Post Audit generally is conducted ----- yrs. after the start of production. (a) 1-2 (b) 8- 10 (c) 10 - 15</p>	[10]	CO6

	SECTION – B (5*10M=50M)		
Q.4	(a) Elaborate the decision rules for NPV and Pay Back Period. (b) Define the term Portfolio management and also illustrate its objectives.	[5+5]	CO1
Q.5	Explain the following terms with suitable examples: (i) De- bottlenecking; (ii) Commercial Opportunities	[5+5]	CO4
Q.6	Describe Front End Loading and Decision Mapping Tool in asset management. OR Describe 80/20 Rule in asset management with suitable examples.	[5+5] [10]	CO4
Q.7	(a) Critically analyze the importance of the application of asset management process in industries. (b) Explain Waterfall process technique (c) List the criteria for making key decision in asset management.	[4+ 2+ 4]	CO3
Q.8	(a) Define the term knowledge management. (b) Describe the methods to bring a process of knowledge management in an organization.	[5+5]	CO4
	SECTION - C (1*20M=20M)		
Q.9	(a) Name the ten common mistakes that the industries commit in asset management. (b) Describe any FOUR common mistakes in asset management. (c) Mention the consequences of committing these mistakes	[5+ 12+ 3]	CO5
