## Class quiz

Hide answers

Q1:What does SOC stands for?

• Statement of Commitment

This is a wrong answer

• Statement of Commerciality

This is a correct answer

• Statement of Conflict

This is a wrong answer

• Statement of Contribution

This is a wrong answer

Q2: How many decision gates do we normally have in a field development process?

- 3
   This is a wrong answer
  - This is a correct answer

• 5

• 4

This is a wrong answer

• 6

This is a wrong answer

**Q3:**How do we call the project management process that is commonly used in field development ?

Status-gate

This is a wrong answer

Phase-gate

This is a correct answer

Waterfall

This is a correct answer

Stage-gate

This is a correct answer

**Q4:**Which of the following activities are normally performed during a business case identification

• Scouting, pre-exploration, prospect identification, Seismic

This is a correct answer

• Prepare the PDO

This is a wrong answer

• Create a reservoir model

This is a wrong answer

• Discovery assessment, appraisal, reserve estimation

This is a correct answer

Q5:What subphases are in the project planning?

• Feasibility studies, concept planning, detailed engineering

This is a wrong answer

• Feasibility studies, concept planning, pre-engineering

This is a correct answer

• Business case identification, Feasibility studies, pre-eng

This is a wrong answer

• Feasibility studies, concept planning, tech. requirements

This is a wrong answer

**Q6:**Flow assurance issues are evaluated in the project planning phase

• True

This is a correct answer

False

This is a wrong answer

Q7: The life cycle of a hydrocarbon field is comprised of

•	Exploration, appraisal, planning
	This is a correct answer
•	Construction and execution
	This is a correct answer
•	Production and operations
	This is a correct answer
•	Abandonment and decommisioning
	This is a correct answer

Q8:PDO stands for

•	Plan for Design and Operations
	This is a wrong answer
•	Plan for Development and Optimization
	This is a wrong answer
•	Plan for Development and Operations
	This is a correct answer
•	Plan for Utbygging og Drift
	This is a correct answer

Q9:In the field development process, what follows after the project planning?

•	Appraisal
	This is a wrong answer
•	Project execution
	This is a correct answer
٠	Identification of Business case
	This is a wrong answer
•	Operations
	This is a wrong answer
Q10:V	Vhat does FEED stand for?
•	First End Engineering Design

This is a wrong answer

• Field End Engineering design

	This is a wrong answer
•	Front End Established Design
	This is a wrong answer
•	Front End Engineering Design
	This is a correct answer

Q11:What of the tasks below are not performed during decommissioning?

• F	Remove and bury subsea pipelines
-	This is a wrong answer
• \	well plugging and abandonment
	This is a wrong answer
• (	debottlenecking
	This is a correct answer
	ecovery of material and recycling of equipment
	This is a wrong answer
Q12:wh	nich of the following statements is false?
• F	Field production mode A is always followed by mode B
-	This is a wrong answer
• /	A field could be produced using mode b and then mode a
-	This is a wrong answer
	<u>.</u>

• production mode B is typically used for standalone projects

This is a correct answer

• In production mode A, the wellhead choke is opened gradually

## This is a wrong answer

**Q13**:Which one of the following tasks are performed during the business case identification phase?

Probabilistic reserve estimation

This is a correct answer

• simplified economic valuation of reserves

This is a correct answer

• appraisal

This is a correct answer

Apply and obtain a production license

This is a correct answer

**Q14**:As a rule of thumb, how much is the annual offtake of an oil field in the north sea?

•	10% of the TRR
	This is a correct answer
•	3% of the TRR
	This is a wrong answer
•	5% of the TRR
	This is a wrong answer
•	0.1% of the TRR
	This is a wrong answer

**Q15**:When is the reservoir pressure maintenance strategy planned in an offshore development?

from the begginning

This is a correct answer

after some years producing the field

This is a wrong answer

Q16:BONUS: what are the names of the members of the reference group?

**Q17**:During the feasibility studies one or more development concepts must be identified and analyzed

true

This is a correct answer

false

This is a wrong answer

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20.01.2020 Note Title · Kahoot quiz for re-cap · onshare ~s offshore · oil vs gas • try online field similator (dry gas) http://www.ipt.ntnu.no/~stanko/Field Simulator.html loweik 7 wells 15 E06 Jm/d ~ 7000 d. 100000 plateau duration for 20 CGG Smild ~ 3 250 Å 6000 d 25 EOG 5-2/d ~ 1750 d 4100 d - chone must be opened gradually to maintain plateau - Adding number of wells increases plateau duration , re-completion , fracking , increasing wellhood deliverability coefficient prolongs plateau , stimulation hitrong size > AL/boarting Plateau Jensth, US. plateau rate 9p O tρ . downstrea choice mechanical analog of a field (dry gas) Puh Pdc Pep lxp Pwh tubua Pdr. . Pr ration olr flowing bottom-hole pressue (BHP) Parl. Puh nellhead pressure (WHP)

Po -> Pul How in tormation (Daurdown) IPR inflow performance relationship 7 = f (Pa, Pauf) Put 1 9<u>5</u> Part > Parh flow in tubing ~ TPR tubing performance reletionship 9 = = fz (Put, Pach) with Puch= cout Put , 9<u>-</u> hydrostatic column Put -> Pdc ~> pressure drop in choice chore equation 95 = fg (Parh, Pole, Opening) - inaccurate nodel - highly non-lnear - difficult to converge - many models Pipelre/flowline pertornance relationship (FPR, PPR) Pdc ~> Pep ~> prestile drop in pipe Ig = fy ( Pin Pout )