VDC2 Pre Assessment Operations Management Version 3

Section: Management Studies • **Total Questions:** 10 • **Format:** Verified Q&A

1. A cell phone company is facing stiff competition in the market. Accordingly, the company's product manager is planning to manufacture a new model with certain new features to stay competitive in the market. But, the company does not have a skilled workforce that can help in manufacturing the desired product. What should the company's product manager do to carry out the production?

(A) Focus on outsourcing the production
(B) Focus on insourcing the production
(C) Focus on importing the new mobile phones
(D) Focus on exporting the existing mobile phones

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2. Which quality management tool should the line process manager use in this sampling process?

> *A soft drink bottling plant has set up a new line for bottling one of its energy drinks. The line process manager periodically samples the process to ensure that bottles are not being overfilled or underfilled.*

(A) Check sheet
(B) Scatter diagram
(C) Control chart
(D) Cause-and-effect diagram

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3. A vehicle oil change company is seeking a new site for its service center. The fixed cost and variable cost per vehicle serviced has been estimated as follows: Site 1: Fixed cost of $6500 per month and variable cost of $3 per vehicle; Site 2: Fixed cost of $3500 per month and variable cost of $5 per vehicle; Site 3: Fixed cost of $4000 per month and variable cost of $4 per vehicle; Site 4: Fixed cost of $5000 per month and variable cost of $6 per vehicle. If the number of vehicles estimated to be serviced is 800 per month, and the average service charge per vehicle is $50, where should the new service center be located?

(A) Site 4
(B) Site 2
(C) Site 3
(D) Site 1

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4. What is the relationship between JIT and lean systems?

(A) Both are business-centric systems
(B) The broad view of JIT is a lean system
(C) Their goal is removing variability
(D) Both are customer-centric systems

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5. What indicates an improved inventory management objective?

(A) Percentage decrease in customer service level
(B) Percentage decrease in scrap rate
(C) Percentage decrease in line items shipped on schedule
(D) Percentage decrease in equipment utilization

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6. Which statement depicts the concept of remanufacturing?

(A) Multifunctional teams working together on the design of a product
(B) Comparing the manufacturing process of one company with another company
(C) Using the components of old products while producing a new product
(D) Dissembling a product to analyze its design features

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7. During its 5:00 pm to 7:00 pm happy hour on Thursday and Friday, a restaurant offers a 50% discount on all menu-listed appetizers and drinks.| Which of the following aggregate planning options is the restaurant utilizing?

(A) Overtime/undertime
(B) Shifting demand
(C) Back orders
(D) Hiring and firing

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8. Fact based management is one of the key processes for TQM (Total Quality Management). Based on this concept, internal and external measures determine product quality. Which of these is an external measure in relation to product quality?

(A) Export demand of the product
(B) Appearance of the product
(C) Customer satisfaction
(D) Dimensions of the product packaging

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9. Which of the following inputs into the sales and operations planning process is from the accounting and finance function?

(A) Cost data
(B) Workforce availability
(C) Product features
(D) Machine capacity

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10. Which of these helps in the timely detection and correction of inventory record problems?

(A) Cycle counting
(B) Periodic counting
(C) Continuous review system
(D) Periodic review system