



Republic of the Philippines  
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REGION X - NORTHERN MINDANAO

TECHNOLOGY AND LIVELIHOOD EDUCATION  
GRADE 10:AFA- ACP

**Directions:** Read and understand the questions. Tick the letter of the correct answer on the screen.

1. A set of skills that entrepreneurs must possess to take control of the challenges in business is known as \_\_\_\_.

- A. personal entrepreneurial competencies
- B. personal business capacities
- C. personally preferred competencies
- D. professional enterprise competencies

2. Which of the following best describes a risk-taker?

- A. Paying attention to the needs and demands of people
- B. Acting as the prime mover of resources in the achievement of objectives
- C. Accomplishing targets on time as agreed with customers
- D. Anticipating a loss and countering it with feasible

3. Which term refers to a group of people with economically important needs and demands which opens entrepreneurial opportunities to everyone.

- A. Environment    B. Ethnicity    C. Geography    D. Market

4. Information Literacy    Which combination is focused on the internal assessment of the business?

- A. Opportunities and Threats                      B. Strengths and Threats
- C. Strengths and Weaknesses                      D. Weaknesses and Threats

5. Which business principle is applicable in products and development and marketing?

- A. Ask researchers in other communities about their needs and demands.
- B. Follow the result of a national survey of needs and demands.
- C. Pay attention to the needs and demands of the market.
- D. Your own needs and demands are the same with others

6. Which of the following is NOT considered an emerging industry in the Philippines?

- A. Agribusiness                      B. Power and utilities
- C. Creative Industries              D. Renewable Energy



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7. Information Literacy Which type of business is owned by only 1 person?

- |                |                        |
|----------------|------------------------|
| A. Cooperative | B. Partnership         |
| C. Corporation | D. Sole Proprietorship |

8. This is the factor or consideration presented by a seller as the reason that one product or service is better and different from that of the competitors.

- |                          |                               |
|--------------------------|-------------------------------|
| A. Unique Selling Plan   | B. Unique Selling Proposition |
| C. Unique Pricing Policy | D. Finding Value-Added        |

9. This is generated by examining what goods and services are sold outside the community.

- |                      |                     |
|----------------------|---------------------|
| A. Business Creation | B. Business Pricing |
| C. Business Concept  | D. Business Idea    |

10. Information Literacy A process of making a new product to be sold to the customers.

- |                        |                              |
|------------------------|------------------------------|
| A. Product Analysis    | B. Product Conceptualization |
| C. Product Development | D. Product Implementation    |

11. These are luxuries, advantages, and desires that every individual considers beyond necessary.

- A. Wants    B. Desire    C. Requirements    D. Needs

12. It is a managerial tool used to assess the environment in gathering important information used for strategic planning.

- |                           |                    |
|---------------------------|--------------------|
| A. Environmental Scanning | B. SWOT Analysis   |
| C. WOTS Analysis          | D. Survey Analysis |

13. They are referred to as a meaningful and unforgettable statement that captures the essence of your brand.

- |                   |                               |
|-------------------|-------------------------------|
| A. Product Naming | B. Unique Selling Proposition |
| C. Branding       | D. Tagline                    |



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14. Schedules that combine with everything that set up the workplace.
- A. Housekeeping Schedule
  - B. Housekeeping Inspection Checklist
  - C. Equipment and Maintenance Schedule
  - D. Equipment maintenance Inspection Checklist
15. \_\_\_\_\_ is an aid to guide farm managers through inspecting the cleanliness of the working area or farm.
- A. Housekeeping Schedule
  - B. Housekeeping Inspection Checklist
  - C. Equipment and Maintenance Schedule
  - D. Equipment maintenance Inspection Checklist
16. A guide for the worker and the manager in procuring the tools/materials needed in certain job requirement.
- A. Work request
  - B. Salvage report
  - C. Inspection report
  - D. Assets
17. Bagged or packaged dry products are stored approximately 10-15 cm on the floor and away from walls. What can be prevented by doing this?
- A. contamination
  - B. pollution
  - C. decomposition
  - D. spoilage
18. Most crops are suitably stored at a temperature of 4°C to prevent spoilage. Which of the following ranges of storage temperature is required for other products?
- A. -1°C to 25°C
  - B. -10°C to 21 °C
  - C. - 1°C to 21°C
  - D. -10°C to 25°C
19. It occurs when the soil becomes oversaturated with water, promoting anaerobic conditions.
- A. Waterlogging
  - B. Soil Salinization
  - C. Ecological damage
  - D. Surface run-off
20. It is in reduction of downstream river flow.
- A. Waterlogging
  - B. Soil Salinization
  - C. Ecological damage
  - D. Surface run-off



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21. Information Literacy This type of irrigation is the one of the oldest techniques known to man.

- A. flood irrigation      B. sprinkler irrigation  
C. center pivot irrigation D. drip irrigation

22. Information Literacy There are different ways for decomposing agricultural wastes. Which of these uses worm?

- A. NADEP System      B. Vermiculture decomposition  
C. Anaerobically decomposition      D. Recycling

23. Waste like fruits and vegetables collected from houses are called as \_\_\_\_\_.

- A. domestic waste      B. Vermiculture decomposition  
C. Animal waste      D. plant waste

24. Information Literacy Keep flammable materials \_\_\_\_ feet away from sources of heat or flame.

- A. 50 feet    B. 40 feet    C. 30 feet    D. 20 feet

25. Mounting racks along the wall in a storage area is needed to hang\_\_\_\_\_.

- A. Cleaning tools    B. Cutting tools    C. Hand Tools    D. All of the above

26. Based on research, what is the percentage of struck by moving or falling objects to cause accident in agriculture?

- A. 25%      B. 16%      C. 23%      D. None of the above

27. Data from research show indicating that 75% of the accidents in agriculture are due to the following causes except one

- A. Livestock      B. Falls from height  
C. Falls from same level      D. Man-made

28. What includes chemical substances such as acids or poisons and those that could lead to fire or explosion, like pesticides, cleaning agents, dusts and fumes from various processes such as welding?

- A. chemicals      B. psychosocial  
C. mechanical and / or electrical      D. biological



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29. Identify the type of hazard that relate to repair of broken electrical fence.
- A. Mechanical Hazard
  - B. Electrical Hazard
  - C. Thermal Hazard
  - D. Noise
30. It helps when conducting an inventory equipment.
- A. Equipment Record with Code and Drawing
  - B. Tag-Out Bill
  - C. Waste Segregation
  - D. Breakdown Maintenance
31. Performed on equipment that has been down and is unusable
- A. Equipment Record with Code and Drawing
  - B. Tag-Out Bill
  - C. Waste Segregation
  - D. Breakdown Maintenance
32. Which of the following is not a good practice about storage facilities
- A. Allow maintenance and cleaning activities to occur as needed.
  - B. Keep storage facilities well-ventilated.
  - C. Deter pest access and infestation.
  - D. Identify storage facilities properly
33. What principle assures that products are rotated through the facility regularly so that the oldest products are used first?
- A. first-in, first-out principle
  - B. first-out, first-in principle
  - C. rotation principle
  - D. storage principle
34. What irrigation device is used to control the flow of water by partially or fully obstructing the flow of water?
- A. elbow
  - B. plug and cap
  - C. reducer
  - D. valves
35. What irrigation device is used to control the flow of water by partially or fully obstructing the flow of water?
- A. elbow
  - B. plug and cap
  - C. reducer
  - D. valves
36. All of the following should be considered when unloading irrigation materials except one. What is it?
- A. size of the item
  - B. shape of the item
  - C. price of the item
  - D. weight of the item



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37. How many percent of water can be lost through evaporation and run-off.  
A. 43%                      B. 42%                      C. 40%                      D. 45%
38. The technique of \_\_\_\_\_ “quick water” through the canal is used to remove silt.  
A. fixing                      B. soil                      C. air                      D. fire
39. The installation of sub pressure value is enough to relieve the pressure, but this involves \_\_\_\_\_.  
A. major work              B. silting              C. weed infestation              D. water infiltration
40. The technique of \_\_\_\_\_ “quick water” through the canal is used to remove silt.  
A. fixing                      B. soil                      C. air                      D. fire
41. \_\_\_\_\_ excessive sedimentation is perhaps the most common problem affecting the performance of earth canals.  
A. erosion of banks              B. Filtration              C. light work                      D. minor work
42. The intervals in \_\_\_\_\_ should not exceed periods of 2 to 3 years between two consecutive cleanings.  
A. casual maintenance              B. weed infestation  
C. water infiltration                      D. silting
43. If the materials is encased in the anaerobic digesters and sealed from oxygen, what kind of decomposition is it?  
A. NADEP System                      B. water storage  
C. Anaerobically decomposition                      D. Recycling
44. You plan to do some construction in the farm. What will you wear to prevent head injuries while working?  
A. helmet                      B. natural waste              C. cap                      D. hair net
45. Sid was asked to get the chemical like pesticide for his mother’s vegetable garden. Pesticide is usually stored in original containers or in properly labeled containers away from the reach of children. The statement is wrong.  
A. Disagree                      B. Agree                      C. Maybe agree                      D. Maybe disagree



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46. The saying —Necessity is the mother of all inventions‖ means \_\_\_\_.
- A. our mother told us what we really need
  - B. basic commodities are made to satisfy our needs
  - C. basic commodities are made for mothers
  - D. necessity is invented by mothers
47. Lucy is good in convincing his customers that his product is not only of best quality but also safe to use. Many of his customers bought and even return to buy more of the product because they want to share it with their friends.
- A. Demand for efficiency and quality
  - B. Goal setting
  - C. Persuasion and Networking
  - D. Self-confidence
48. In the 4M's of production, which M refers to the persons in the business known as the labor force?
- A. Machines
  - B. Materials
  - C. Manpower
  - D. Money
49. . The process of recording the money received and spent by the operations of the business is known as \_\_\_\_.
- A. bookkeeping
  - B. administering
  - C. booking
  - D. posting
50. This is generated by examining what goods and services are sold outside the community.
- A. Business Creation
  - B. Business Pricing
  - C. Business Concept
  - D. Business Idea
51. What is the reason why an aspiring entrepreneur must make a sound and impressive business plan?
- A. A sound and impressive business plan is likely to be approved for a loan package.
  - B. A sound and impressive business plan attracts more customers .
  - C. A sound and impressive business plan commands tax rebates.
  - D. A sound and impressive business plan can improve a particular segment of a market.



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52. Systematic planning and monitoring include the following EXCEPT \_\_\_\_\_.

- A. be logically flexible for the emergent constraints, challenges, and needs
- B. make a well-organized plan with clearly defined methods
- C. set calculated goals and objectives
- D. Schedule periodic gap-proof monitoring and response activities to determine emergent constraints, challenges, and needs

53. In this stage, the needs of the target market are identified, reviewed, and evaluated.

- A Concept Development
- B. Economic Analysis
- C. Project Development.
- D. Product Improvement

54. This is the introduction of a new idea to make the product and services more attractive and saleable to prospective customers.

- A. New Idea
- B. Creativity
- C. Product Development
- D. Innovation

55. It is marketing practice of creating name, symbol or design that identifies and differentiate a product from others.

- A. Product Naming
- B. Unique Selling Proposition
- C. Branding
- D. Tagline

56. These are the things that people cannot live without.

- A. Wants
- B. Desires
- C. Requirements
- D. Needs

57. An inspection checklist , when used properly, is an assurance that a particular piece of equipment has been inspected.

- A. Housekeeping Schedule
- B. Housekeeping Inspection Checklist
- C. Equipment and Maintenance Schedule
- D. Equipment maintenance Inspection Checklist





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58. Any process used to keep equipment in reliable working order. It may include routine upkeep as well as corrective repair work.

- A. Housekeeping Schedule
- B. Housekeeping Inspection Checklist
- C. Equipment and Maintenance Schedule
- D. Equipment maintenance Inspection Checklist

59. It is important to keep everything running properly in order to avoid delays in vital agricultural processes.

- A. Maintenance    B. Role of Maintenance    C. Assets    D. Farmers

60. A safety procedure used in the industry and research settings to ensure that dangerous machines are properly shut off and not able to started up again prior to the completion or repair work.

- A. Equipment Record with Code and Drawing
- B. Tag-Out Bill
- C. Waste Segregation
- D. Breakdown Maintenance

61. The grouping of waste into different categories.

- A. Equipment Record with Code and Drawing
- B. Tag-Out Bill
- C. Waste Segregation
- D. Breakdown Maintenance

62. Which of the following is NOT a way to store manure/ compost, fruit and vegetable culls?

- A. Observe proper waste disposal.
- B. Locate storage and treatment sites (for example, composting) as far away as practical from livestock, poultry, fresh fruit and vegetable handling areas and water sources.
- C. Separate those from production and water locations with an appropriate physical barrier designed to minimize contamination due to run-off or leachate.
- D. Let it decompose inside garbage bags or any container exposed to sunlight.

63. Which of the following is not considered as an irrigation component?

- A. pump    B. water source    C. backflow preventer    D. weather



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64. What injury is caused when loading and unloading of irrigation materials?  
A. head trauma    B. bruises    C. crushing injury    D. all of the above.
65. Making sure tools properly stored, cleaned and well maintained will save time and money as well as making job \_\_\_\_\_.  
A. Easier    B. Lighter    C. hard hat    D. Simple
66. Returning tools promptly after use, reduces the chance of them being misplaced and \_\_\_\_\_.  
A. Crack    B. Damage    C. Lost    D. Worn out
67. It is used mainly for the fruits wherein the starch content, sugar content, acidity and acid ratios are measured.  
A. Floating Method    B. Computation Method  
C. Chemical Analysis    D. Physical Analysis
68. It is the condition of the crop that is ready to harvest.  
A. Maturity    B. Harvesting    C. Marketing    D. Sorting
69. It is an agricultural practice by cutting most of the above portion of the plant leaving only the roots and the growing shoot apices.  
A. Pruning    B. Ratooning    C. Pricking    D. Thinning
70. It pertains to the process of removing unproductive parts of the plant.  
A. Thinning    B. Pricking    C. Weeding    D. Pruning
71. It is irrigating plants and fertilizer application at the same time.  
A. Fertigation    B. Broadcasting  
C. Band Application    D. Starter Solution
72. It is a method of applying irrigation water which is similar to natural rainfall.  
A. Surface Irrigation    B. Drip Irrigation  
C. Sprinkler    D. None of the Above
73. These are the nutrients needed by plants in large quantities.  
A. Micro Elements    B. Macro Elements  
C. Complete Fertilizer    D. Muriate of Potash



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74. It refers to the application of calcium or magnesium containing compounds to the soil to neutralized acidity.  
A. Leaching      B. Liming      C. Fertilizing      D. Poisoning
75. It can be define as direct or indirect use of parasites, predators or pathogens hold insect pest population.  
A. Cultural Method      B. Legal Control  
C. Mechanical Control      D. Biological Method
76. The following are care tips of germinating seeds except?  
A. Protect seed sown from ants  
B. Seed boxed should be placed under the shade and provided with temporary shelter  
C. While seedlings are growing water them 3-4 times each day  
D. Regulate watering, Too much or too little water may prevent germination
77. Any organic or inorganic materials put on the surface of the soil to prevent water from evaporating as one of its purpose.  
A. Mulch      B. Fertilizer      C. Stakes      D. Fence
78. The practice of gradually exposing the seedlings to extreme temperature at least a week before planting.  
A. Pricking      B. Roguing      C. Thinning D. Hardening
79. It is applied one day before sowing or applied at the bottom of the hole before the plant is set.  
A. Fertigation      B. Basal fertilizer  
C. Foliar Fertilizer      D. Broadcasting
80. The plant that are planted in the center of square of growing plants at the corners of squares.  
A. Seedling      B. Buffer      C. Reserve D. Filler
81. This system accommodates 15% more plants than square system.  
A. Contour system      B. Quincunx system  
C. Hexagonal system      D. Rectangular System
82. In this planting method row to row and plant to plant distances are kept similar.  
A. Square system      B. Rectangular  
C. Diamond system      D. Contour system



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83. Arrange in chronological order the steps in land preparation
1. Clearing
  2. Harrowing
  3. Lay-outing/Staking/Marking
  4. Furrowing
  5. Plowing
- A. 1, 3, 5, 2, 4      B. 1, 2, 3, 4, 5      C. 1, 4, 3, 2, 5      D. 1, 5, 2, 4, 3
84. Which process is intended to give young plants pre and post emergence protection against diseases?
- A. Seed disinfection      B. Seed disinfestation  
C. Seed Treatment      D. Seed Protection
85. In the process of germinating seeds through seed soaking, how many hours a seed will be soak in water?
- A. 24 hours      B. 18 hours      C. 12 hours      D. 6 hours
86. Which of the following is a characteristic of good seed?
- A. Seed should be crushed      B. Seed should be young  
C. Seed should be free from diseases      D. It should be moist
87. It is a place for the removal of water from wet grains by forcing ambient air through the grain bulk.
- A. Mist Section      B. Humidifying Area  
C. Pump House      D. Mechanical Dryer
88. A salary of farm labor cost 400.00. If you wanted to increase the salary by 50%. What will be the total cost of salary of farm labor?
- A. P 550.00      B. P 500.00      C. 450.00      D. 600.00
89. It used to pull, plow and harrow a large area of land.
- A. Hand Tractor      B. Rake      C. Grass Cutter  
D. Harvester
90. The following are labor requirements after planting except?
- A. Plowing      B. Perform Irrigation  
C. Apply Fertilizer      D. Weeding



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