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DIRECTORARE OF GENERAL STUDIES  
RAIN SEMESTER EXAMINATIONS, 2010/2011 SESSION

**COURSE:** MODERN AGRICULTURE AND RURAL DEVELOPMENT  
**COURSE CODE:** GNS 202

**INSTRUCTIONS:**

Attempt all questions. Choose the correct alternative from the option provided.

**TIME ALLOWED:** 45 Minutes

1. One of the following is not a norm of monopolistic competition  
(a) The demand of the commodity does not change on a high proportion due to changes in price (b) free exit and entry of firm (c) each firm has no firm control over price (d) heterogeneous and slightly differentiated commodity (e) none of the above
2. One of the following is not a feature of Agriculture marketing.  
(a) poor price elasticity of demand and supply (b) seasonality (c) raw materials (d) structure of the industry (e) bulkiness
3. One of the following is not a by-product of oil palm  
(a) palm oil (b) broom (c) palm kernel oil (d) palm wine (e) de-oiled cake
4. Oil palm tree is botanically known as  
(a) *Elaeis guineensis* (b) *Elaies guinensis* (c) *Eliaes guineases* (d) *Eleasis guineasis* (e) *Elaies guninesses*.
5. \_\_\_\_\_ and \_\_\_\_\_ differences exist between rural and urban dwellers  
(a) natural, economic (b) economic, social (c) biological, environmental (d) social, cultural (e) environment, economic.
6. The full meaning of NDE is  
(a) National Directorate of Employment (b) National Directorate for Employment (c) National Department for Employment (d) Nigerian Directorate of Employment (e) Any of B or D.
7. Extension service could use any of the following means of channel to reach its audience except  
(a) Audio/Spoken technique (b) Visual/Written technique (c) Group/Meeting technique (d) Audio Visual technique (e) a, b, and d.
8. \_\_\_\_\_ and \_\_\_\_\_ system is used to attach/couple tractors to implements/accessories on the farm.  
(a) coupling, pin (b) link, pin (c) pin, link (d) pin, coupling (e) a or d
9. Weeding/slashing activities of the University GNS Oil palm plantation started on  
(a) 5<sup>th</sup> March 2011 (b) 12<sup>th</sup> March 2011 (c) 19<sup>th</sup> March 2011 (d) 26<sup>th</sup> March 2011 (e) 2<sup>nd</sup> April 2011.
10. Off-farm activities in Nigeria's rural areas include all of the following but  
(a) agriculture (b) hunting (c) crafting (d) weaving (e) fishing.
11. Mating of Goats is known as (a) service (b) mounting (c) copulating (d) Sleeping (e) ejaculating
12. The young male chicken is known as (a) cock (b) baby cock (c) capon (d) cockerel (e) baby capon
13. Gestation period in Pigs is approximately  
(a) 3 days, 3 month, 3 hours (b) 3 hours, 3 weeks, 3 month (c) 3 days, 3 weeks, 3 months (d) 30 days, 3 weeks, 30 months (e) 3 months, 3 weeks, 3 days.
14. The fresh flesh of Goats is known as (a) mutton (b) chevon (c) goat meat (d) "ogufe" (e) Veal
15. Stress and Discomfort always affect (a) animal productivity (b) animal nutrition (c) animal housing (d) animal feeding (e) animal environment.
16. All of the following can be referred to as a metropolis in Nigeria.  
(a) Lagos, Abuja (b) Lagos, Abuja, Sagamu (c) Lagos, Abuja, Owerri (d) Lagos Abuja, Enugu. (e) Lagos, Abuja, Calabar
17. Approaches to rural development are based on



(a) geographical and subject-matter scope (b) strategies and Techniques (c) Government and Non governmental organization (d) Nature and scope (e) None of the above.

18. The basic function of extension are to
  - (a) assist in agricultural production (b) persuade farmers on the value of change (c) transmit result of agricultural research to farmers (d) transmit farmers problem to research (e) help farmers learn to make wise decisions.
19. Agricultural extension is concerned with these basic tasks except
  - (a) helping people to use information gained to help themselves (b) women and youth development (c) application of knowledge gained to the analysis of practical problems (d) dissemination of useful information.
20. The forcing down of the Piston when combustion takes place is known as.
  - (a) horse power (b) piston power (c) power down (d) power stroke (e) power horse.
21. Necrotic symptoms along left outer margin is indicative of deficiency of
  - (a) magnesium (b) sulphur (c) phosphorus (d) kalium (e) nitrogen.
22. When water dissolve and carry away rock components leading to modification of the original composition of the rock, it is known as (a) solution weathering (b) chemical weathering (c) weathering of rocks (d) metamorphic weathering (e) physical weathering.
23. There are \_\_\_\_\_ main plant Nutrients. (a) Six (b) Nine (c) Fourteen (d) Fifteen (e) Thirteen.
24. Ridgers are used to (a) break open the soil (b) loosen the soil (c) further break down the soil (d) scatter the soil (e) all of the above.
25. The part of a sprayer which carry the Nozzle which spray chemical is
  - (a) Piston (b) Nozzle (c) Pump (d) Boom (e) Rod.
26. The material used in the manufacture of irrigation pipelines/fittings, milking machine parts and farm building roofs are known as (a) Aluminium (b) Iron (c) Zinc (d) Galvanized sheet.
27. The system in which animals and herdsmen (owners) do not have a permanent place of living and do not practice regular cultivation is known as (a) Pastoral farming (b) Pastoral system (c) Normadic Grazing system (d) Itinerant grazing system (e) Grazing system.
28. The fractional proportion of Organic Matter and Air content of soil is
  - (a) 0.30 (b) 0.45 (c) 30% (d) 45 % (e) 30.0
29. The ability of the soil to absorb water and nutrients and to exchange positively charged ions of fine soil particles is termed
  - (a) Catiron Nutrient Exchange (b) Dogion Exchange of Nutrients (c) Goation Exchange Capability (d) Cation Exchange Capability (e) Cation Exchange Capacity.
30. Oestrus cycle is governed by hormones secreted in the body and it is affected by all of these except (a) plane of nutrition (b) length of daylength (c) Low mating activities or excessive mating (d) Ambient Temperature (e) Diseases.
31. The use of frozen semen which when thawed could be administered to fertilize female ova treated with prostaglandi analogue hormone is known as
  - (a) Prostaglandi Hormonization (b) Prostaglandi Fertilization (c) Seminal Fertilization (d) Artificial Fertilization (e) Artificial Insemination.
32. All of the following can be regarded as feeder market in Ogun State except
  - (a) Ago-Iwoye market (b) Ijebu-Igbo market (c) Ifo market (d) Oba Lipede market (e) Siun market.

33

34

Marketing can be defined as \_\_\_\_\_ of activities by which \_\_\_\_\_ is exchanged between a

35

producer and consumer during which the \_\_\_\_\_ time, form and possession desires of the consumers are satisfied.

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|-----|-----------|-----------|-------------|--------|
| 33. | A         | B         | C           | D      |
|     | Plenty    | many      | series      | volume |
| 34. | A product | a produce | a commodity | good   |
| 35. | Cost      | place     | amount      | price  |