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JAMB » Agriculture » 2015

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1 The process of grafting in crop production involves

A The fusion of gametes of two crops

B Inducing rooting from stems

C The transfer of a bud from one crop to another

D The joining of two parts from related crops.

2 If the recommended spacing for a tree crop is 2.5cm by 4.0m determine the number of seedlings required to plant a 2-hectare farmland.

A 1,000

- B 2,000
 - C 10,000
 - D 20,000
-

3 A regulatory control of diseases in crop production is

- A roughing
 - B quarantine
 - C crop rotation
 - D Soil tillage.
-

4 Which of the following statements about soil organisms is false?

- A Soil pH will affect the population of soil organisms
- B Population of soil living organisms is increased with increase in soil organic matter
- C Soil with good texture and structure cannot harbour soil microbes

D Soil temperature affects the activities of soil organisms.

5 The data for feed consumption and weighing gain of four farm animals labelled P, Q, R and S are shown below.

P -50kg feed consumed and 20kg weight gained
Q -90kg feed consumed and 30kg weight gained
R -100kg feed consumed and 25kg weight gained
S - 150kg feed consumed and 30kg weight gained.

Which of the following must efficient feed converter?

A P

B Q

C R

D S

6 In preparing for parturition of a sow, warmth should be provided to

- A Promote growth of hair of the young
 - B make the young suckle colostrum's
 - C prevent anaemia in the young
 - D prevent chilling of the young.
-

7 In which layer of the soil profile do most biological activities occur?

- A D-horizon
- B C-horizon
- C B-horizon
- D A-horizon

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8 Which of the following statements about agricultural development are true? It leads to

- I. increased processing of produce
- II. Increased food production.
- III. High productivity.
- IV. Increased agricultural labour force.

- A** I, II and III only
 - B** I, II and IV only
 - C** I, III and IV only
 - D** II, II and IV only
-

9 Under the communal land tenure system, farmers find it difficult to secure loans because

- A** land holdings are small and fragmented
 - B** they are poor
 - C** land holdings cannot be used as security
 - D** they are mostly illiterate.
-

10 Pineapple is widely propagated using

- A seeds
 - B suckets
 - C Slips
 - D cuttings
-

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- 11 The correct sequence for the use of coupled implements for land preparation is
- A Plough, harrow and ridger
 - B harrow, ridger and plough
 - C plough, ridger and harrow.
 - D ridger, harrow and plough
-
- 12 The correct sequence of feed utilization in farm animals is
- A digestion-ingestion-absorption-assimilation
 - B ingestion-digestion-assimilation-absorption

- C ingestion-digestion-absorption-assimilation
 - D digestion-assimilation-ingestion-absorption
-

13 Which of the following statements is a disadvantage of human power? It

- A controls other sources of farm power
 - B brings about least damage
 - C is easily available and controlled
 - D has low output.
-

14 Which of the following factors are causes of deforestation in West Africa?

- I. Expansion of cultivated land
- II. High population growth rate
- III. Conservation of wildlife in game reserves
- IV. Urban growth

- A I, II and III only
- B II, III and IV only

C I, II and IV only

D I, II, III and IV.

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15 Which of the following properties of soil determines its water-holding capacity?

I. Texture

II. pH

III. Colour

IV. Structure

A I and II only

B I and IV only

C II and III only

D III and IV only

16 Which of the following diseases commonly occurs during brooding?

I. Yolk sac infection

II. Coccidiosis

III. Fowl pox

IV. Pullorum

A I, II and III only

B I, II and IV only

C I, III and IV only

D I, II and IV.

17 A detrimental effect of bush burning is that it

A destroys soil organic matter

B Destroys weed seeds

C sterilizes the soil

D adds potash to the soil

18 Government plays roles in the development of agriculture through the following means except

- A Provision of subsidies
 - B training of farmer's children
 - C establishment of agricultural development programmes
 - D establishment of farm settlements
-

19 Sexual maturity in farm animals is not influenced by their

- A Breed
 - B Sex
 - C nutrition
 - D wearing age
-

20 Which of the following factors does not influence the distribution of cattle in West Africa?

- A Pastures

- B Light
 - C Diseases
 - D Rainfall
-

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- 21 Close to the time of harvesting of cotton, sunshine is needed to ensure the production of bolls that are
- A big
 - B Bright
 - C not mouldy
 - D not open

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- 22 Agriculture contributes to the economy of West African countries through the following means except
- A Reduction of poverty through job creation
 - B Supply of armament for territorial defence

- C Provision of foreign exchange
 - D supply of raw materials to industries
-

23 In animal production, newly-born rabbits are called

- A Bunnies
 - B Kids
 - C Pouts
 - D Lambs
-

24 Which of the following crops has a fibrous root system?

- A cotton
 - B coffee
 - C cowpea
 - D sugarcane
-

25 Which of the following insects transmits swollen shoot disease of cocoa?

- A steam borer
 - B Mealybug
 - C white fly
 - D scale insect
-

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26 Soil water that is available for root absorption at field capacity is

- A Capillary water
 - B hygroscopic water
 - C Gravitational water
 - D superfluous water.
-

27 The weight of a sheep increased from 25kg to 45kg in two months.

If the total consumption during the period was 60kg.

Determine the feed conversion ratio

A 1 : 1

B 1 : 2

C 3 : 1

D 4 : 1

28 Which of the following statements is correct about micro-nutrients? They

A Promote formation of only root nodules

B are required by plants in very small quantities

C are fixed into the soil through microbial activity

D increase crop tolerance to pest attack.

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29 Yellow colouration of the lower leaves of a growing maize plant may be due to deficiency in

- A potassium
 - B phosphorus
 - C zinc
 - D nitrogen
-

30 The following crops will enrich the soil with nitrates except

- A Calopogonium
 - B pueraria
 - C centrosema
 - D Axonopus
-

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31 The instrument which enables a surveyor to find the direction of a base line is

- A Abney level
- B ranging pole

- C plumb bob
 - D magnetic compass
-

32 In crop production, ginger is propagated by

- A seeds
 - B bulbs
 - C rhizome
 - D corn
-

33 Tomatoes are staked in order to

- A accelerate their growth
 - B induce flowering
 - C accelerate fruit ripening
 - D prevents rotting of fruits
-

34 Crop rotation decreases the incidence of pests by

- A breaking life cycles of pests

- B** attracting pest predators
 - C** Sterilizing the soil
 - D** maintaining soil fertility.
-

35 The following are advantages of sub-surface irrigation except that

- A** it is suitable for soils with low water holding capacity
- B** it can be used only for specific types of crops
- C** the rate of evaporation is greatly reduced
- D** it reduces the incidence of pests

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- 36** Which of the following groups of rocks is formed as a result of volcanic eruption?
- A** Limestone, basalt and shale

- B Basalt, granite and pumice
 - C Sandstone, granite and quartzite
 - D Marble, gneiss and shale.
-

37 Poaching is prohibited in game reserves to

- A reduce wildlife population
 - B conserve wildlife
 - C starve hunters
 - D protect hunters from wild animals.
-

38 If T represents the gene for tallness while t represents dwarfness

The genotypic ratio of the second filial generation will be

- A 3 : 1
- B 1 : 2 : 1
- C 2 : 2

D 4 : 0

39 The forest management system which involves the planting of both food crops and forest trees on the same piece of land at the same time is known as

A Selective exploitation

B Taungya

C Slips

D cuttings

40 If T represents the gene for tallness while t represents dwarfness

When a tall (TT) crop is crossed with a dwarf (tt) crop, the resultant crops will be

A 100% dwarf

B 100% tall

C 50% tall and 50% dwarf

D 75% tall and 25% dwarf.

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41 Corns, rhizomes and tubers are examples of

- A underground stems
 - B underground roots
 - C modified leaves
 - D aerial stems
-

42 A sow that is not producing milk after farrowing should be given

- A oxytocin
- B antibiotic
- C anthelmintic drug
- D sulphaquinoxaline.

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43 The main objective of establishing forest in the arid region is to

- A check desert encroachment
 - B provide firewood for cooking
 - C provide bush-meat
 - D improve the beauty of the environment.
-

44 The data for feed consumption and weighing gain of four farm animals labelled P, Q, R and S are shown below.

P-50kg feed consumed and 20kg weight gained Q-90kg feed consumed and 30kg weight gained R-100kg feed consumed and 25kg weight gained S - 150kg feed consumed and 30kg weight gained.

The feed conversion efficiency of the poorest weight gainer is

- A 0.4
- B 0.33
- C 0.25

D 0.2

45 Piglet anaemia can be controlled by using

A sulphur drugs

B iron drugs

C anthelmintics

D antibiotics

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46 Limitations of farm mechanization in West Africa do not include

A land fragmentation

B high capital investment

C availability of spare parts

D Purchase of machines

47 The device which helps to stabilize heat in an incubator is the

- A thermometer
 - B hygrometer
 - C barometer
 - D thermostat
-

48 The use of animal traction is limited in the forest zones of West Africa because of the

- A Topography of the forest land
 - B presence of tsetse flies
 - C High amount of rainfall
 - D culture of the people
-

Answers: EduNgr.com JAMB Past Questions

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1. D 2. B 3. B 4. A 5. A 6. D 7. D 8. A 9. C 10. B

11. B 12. B 13. D 14. C 15. B 16. C 17. A 18. B 19. D 20. B

21. B 22. B 23. A 24. D 25. B 26. A 27. C 28. B 29. B 30. D

31. D 32. C 33. A 34. A 35. D 36. B 37. B 38. A 39. B 40. B

41. A 42. A 43. A 44. A 45. B 46. C 47. D 48. C

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