

**GNS 311 REVISION QUESTIONS. COMPILED BY LORD PHARUQUE AND
SKENDY (DEPARTMENT OF GEOGRAPHY AND ENVIRONMENTAL
MANAGEMENT)**

NOT FOR SALE!

1. Science can be view as the following except?
a)Noun b)Verb c)Adverb d)Adjective
2. A statement that insect has three pairs of legs.....?
a)Law b)Fact c)Theory d)Truth
3. Which is not a type of concept?
a)Empirical concept b)Relational concept c)Theoretical concept d)Operational
concept
4. Aserve as a basis for deducing empirical consequences from it.
a)Law b)Theory c)Fact d)Model
5. What is the term used to refer to the formulation of a result that we expect based on
experience?
a)Predicting b)Inferring c)Deducing d)Hypothesis
6. A scientist is expected to be
- a)Sexy b)Subjected c)Randy d)Objective
7. The statement that science does not deal with final causes is.....
a)Deceptive b)Factual c)Logical d)Undecided
8. What is the process of designing procedures to test a hypothesis?
a)Theorizing b)Experimenting c)Hypothesizing d)Interpreting
- 9) Who was the first scientist to employ the modern scientific method fully in physics and
astronomy?
a)Galilei (1554-1642) b)Galilei (1544-1643) c)Galilei(1564-1643) d)Galilei(1664-1782)
10. A method of reasoning in which two statements are used to prove that a third statement is
true is known as..... method of reasoning.
a)Synoptic b)Systematic c)Syllogistic d)Syncretic

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11. Which scientist advocated for mathematical reasoning and deduction as a method of scientific reasoning?
a) Bacon b) Aristotle c) Descartes d) Newton
12. Which among the following believed in the heliocentric Theory of the universe?
a) Ptolemy b) Pythagoras c) Aristotle d) Galilei
13. Who wrote De Motu Cordis et Sanguinis?
a) Harvey b) Kepler c) Ibn Sina d) Bacon
14. Johannes Kepler wrote all but one of the following books?
a) Novum Organum b) Astronomia Nova c) Harmonices Mundi d) *Mysterium
Cormograplucum*
15. Isaac Newton lived between one of the following years?
a) 1578-1657 b) 1661-1752 c) 1511-1630 d) 1642-1727
16. Which is the oldest association of scientists?
a) Academia del lincei b) Ballon D'or c) Academia secretorium Naturae
d) Royalty society of London
17. The first thermometer was invented by.....
a) Toricelli b) Newton c) Da vinci d) Galileo
18. The word science is derived from which latin word?
a) scientia b) Scientum c) Scientienne d) Skendy
19. Which of the following is a method studying philosophical knowledge?
a) Systematic method b) Critical method c) Classification method d) Deduction method
20. What is the most important aim of science?
a) Experimenting b) Forecasting c) Explaining d) Classifying
21. One of the following is not a model for scientific explanation.

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- a) Deductive Nomological model b) Inductive statistical model c) Statistical relevance model
d) Objective statistical model

22. A..... atom always has equal number of protons and electrons

- a) Positive b) Neutral c) Negative d) Subatomic particles

23. Which of these is a property of matter?

- a) Matter exist as an organic entity only
b) Matter is indivisible in all conditions
c) Matter is constituted in all cases
d) Matter does not offer resistance to motion.

24. One of the following is not true about kinetic theory?

- a) Particles have no sense of history between collision.
b) Collision between particles are perfectly elastic
c) Matter is constituted in all cases
d) Matter does not offer resistance to motion

25. Which is the division of a nucleus into smaller nuclei?

- a) Nuclear decay b) Chemical reaction c) Fission d) Radiation

26. The first Nuclear war-head used on Hiroshima and Nagasaki is known as.....

- a) Ballistic missile b) RPG c) Little boy d) Geronimo

27. Which among the following is not a nuclear element?

- a) Helium b) Lithium c) Uranium d) Thorium

28. All microbes are

- a) Pathogens b) Living organisms c) Unicellular d) Host specific

29. What is the smallest micro-organism?

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a)Virus b)Bacteria c)Fungi d)Protozoan

30. Yellow fever is caused by which virus?

a)Arbovirus b)Venola virus c)Paraxymo virus d)Bacillus

31. Which of this disease is spread sexual contact?

a)Pneumonia b)Tetanus c)Syphilis d)leprosy

32. Which organism is single celled?

a)Protozoan b)Bacteria c)Virus d)Fungi

33. which is the best way to avoid microbial diseases?

a)General hygiene b)Visiting the doctor c)Studying zoology d)Taking preventive medications

34. Which of the following is not true about energy

a)It is the ability to do work b)It can never be transferred from one place to another
c)It can never be created nor destroyed d)It can be converted from one form to another

35. "A body at rest will remain so and a body in motion with constant speed in a stagnant line will remain so unless an eternal force acts on it" this is ?

a)Ohm's law b)Newton law of gravity c)First law of thermodynamics d) Newton's First law

36. Which of the following provides most energy found on earth

a)Sun b)Water c)Wind d)Tide

37. What is the major disadvantage of fossil fuel over wind energy?

a)Cost b)Environmental degradation c)Pollution d)Non renewability

38. The energy from heat inside the thermal energy within the earth is termed.....

a)Tidal energy b)Volcanic energy c)Thermonuclear energy d)Geothermal energy

39. A typical example of a non-renewable energy isenergy

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a) Fossil fuel b) Biomass c) Geothermal d) Solar

40. What is the process which involves the burning of biomass fuels in the presence of air to generate heat energy?

a) Trans-etherification b) Pyrolysis c) Combustion d) Destructive distillation.

41. Which of the following is an example of organic fuel?

a) Ethanol b) Butanol c) Methanol d) Keratine

42. One of the following is not a gas?

a) Hydrogen b) Sodium c) Argon d) Carbon monoxide

43. Which country produces the largest ethanol fuel in the world?

a) U.S.A b) Brazil c) European Union d) China

44. The base pairs of a DNA consists of the following compounds except?

a) Thymine b) Adenine c) Cytosine d) Guillotine

45. There are how many blood groups?

a) 3 b) 5 c) 4 d) 6

46. Which blood group contains no antigen in their cells but contain both antibodies A and B in their plasma?

a) Group O b) Group AB c) Group B d) Group A

47. Which is the most common blood type in the world ?

a) Group A b) Group B c) Group AB d) Group O

48. The uses of DNA fingerprint is limited in one of the following

a) Blood conservation b) Criminal identification c) Personal identification d) Diagnosis of inherited disorder

49. Who theorized the invisibility of atoms?

a) Dalton b) Bohr c) Newton d) Rutherford.

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50. The study of the earth as well as the position and relationship of man with it, is known as ...?

a) Sociology b) Geography c) Psychology d) Determinism.

51. A computer is.....device

a) An electronic b) A mechanical c) An application d) A processing

52. A set of an instruction that tells the computer what to do is known as.....

a) Information b) Data c) Program d) Processor

53. The earliest programmable ANALOG computer is a.....

a) Castle clock b) Sun dial c) Water lever d) Thermometer

54. Who designed the stored program architecture?

a) Charles Babbage b) Blaise Pascal c) Van Skendy d) Von Neuman

55. A type of computer that represents data in continuous and discontinuous manner is called what?

a) Hybrid Computers b) Mainframe computers c) Digital assistant d) Analog computers

56. A person who writes computer programs is known as what?

a) Hacker b) Programmer c) Hardware engineer d) Netizens

57. Hp is an acronym for which of the following?

a) Hawlet-Packard b) Hawlett- Packard c) Hawllet-Packard d) Hewllet-Packard

58. Second generation computer used.....for circuiting?

a) Vacuum tubes b) Magnetic drums c) Integrated circuits d) Transistors

59. What is the main memory of a general purpose computer?

a) RUN b) GUI c) ROM d) RAM

60. Which of the following is not a HARDWARE?

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a)Magnetic Tapes b)Mouse c)Windows d)Flash drive

61. Who designed the first fully programmable mechanical computer called “The analytical engine”?

a)Charles Babbage b)Blaise Matuidi c)Von Neuman d)Bill Gates

62. A device is not a computer until it is.....?

a)Programmable b)Electronically operated c)Robotic d)Connected to the web

63. The following are the forms of taking herbs except?

a)Compulsion b)Decoction c)infusion e) poultice

64. What is the concept which establishes that any plant part which resembles the organs of human body is created for the cure of the ailments of that body?

a) Acupuncture b)Yoga c)Herbal lax d) Doctrine of signature

65. what is the popular local name for “Fadogia agrestis”?

a)Buran tachi b)Maganichio c)Indozaka ru d)Bakin gaigai

66. What is the botanical name of the neem tree?

a)Abrus indica b) Bambusa india c)Azadiracta indica d)Veronica indica

67. What is the botanical name of pawpaw?

a)Musa Spp b)Discoria Spp c)Carica papaya d)Bambusa vulgaris

68. What is the major reason why people prefer herbs to conventional medicine?

a)High cost of conventional medicine b)Efficacy of herbal therapy over conventional medicine c)Easy access to local herbs d)Side effects associated with conventional medicine.

69. The statement that “herb is of natural origin and they are safe” is.....?

a) very correct b)Usually correct c)Incorrect d)Wrong

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NOT FOR SALE!

70. The scientific study of the location and the landscape of the earth is known as?

a) Geomorphology b) Geography c) Geology d) Geodesy

71. Africa is bounded by.....major water body?

a)2 b)3 c)4 d)5

72. A liquid melted rock is known as

a)White lava b)Volcano c)Molten magma d)liquid rock

73. What is the term used to describe the movement of hot magma from the point of generation to the surface through vents?

a)Eruption b) Erosion c)Weathering d)Volcanism

74. The following are the process of weathering except

a)Mechanical b)Chemical c)Biological d)Nautical

75. The decomposition of rocks in the presence of active water, low temperature, oxygen and CO₂ is known as..... weathering.

a)Chemical b)Mechanical c)Nautical d)Biological

76. What is the major source of different relief characterizing the surface of Africa?

a)Tectonic activity b)Erosion c)Deposition d)Tremor

77. Mount Kilimanjaro can be found in which part of Africa?

a)Uganda b)Sudan c)Kenya d)Zimbawe

78. What is the highest mountain in Africa?

a)Karisimbi b)Kuwenzori c)Kilimanjaro d)Elgon

79. Where can the highest hill in Nigeria be found?

a)Plateau b)Idanre c)Birnnin kebbi d)Chappal waddi

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80. The largest lake in Africa is.....?

a) Chad b) Victoria c) Tanganyika d) Limpopo

81. The following are rivers found in Africa except.....?

a) Nile b) Amazon c) Bahr el Ghazal d) Zambezi

82. A giant undersea mountain range that extends around the globe like seams on a baseball is called.....

a) Seamounts b) Mid oceanic ridge c) Inselberg d) Guyots

83. What is the greatest world major problem?

a) Homosexuality b) Nuclear weapon c) Food insecurity and poverty d) HIV/AIDS

84. One of this is an example of proper food

a) Water b) Vitamins c) Fats d) Inorganic salts

85. The following are accessory foods except.....

a) Vitamins b) Water c) Carbohydrates d) Inorganic salts

86. What is the most important material required by human being

a) Protein b) Carbohydrates c) Fats d) Vitamins

87. The building block of protein are.....

a) Amino acids b) Aldehydes c) Lactose d) Maltose

88. What is the essential organic constituents of the diets which the body requires in small amounts for its metabolism?

a) Fats b) Minerals c) Organic salts d) Vitamins

89) The largest absolute numbers of undernourished people are in.....

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a)Africa b)Asia c)Caribbean d)South America.

90. What is the problem of inadequate access to food?

a)Illiteracy b)Over-population c)Poverty d)Rural-Urban migration

91. Which Nigerian industrial sector has the highest labor?

a)Oil and gas b)Banking c)Agriculture d)Nollywood.

92. The perishability of food is based on what?

a)Chemical composition b)Biological adaptation

c)Shelf-life d)Moisture content

93)The followings are semi-perishable food except

a)Yam b)Maize c)Onion d)Cassava

94. One of the following is a perishable food

a)Meat b)Cocoyam c)Onion d)Barley

95) The action of enzyme and oxidation is known as what?

a)Pyrolysis b)Autolysis c)Enzymianism d)Redaction

96. There are how many type of yeast?

a)3 b)1 c)4 d)2

97. The following conditions are necessary for microbial growth and enzyme action except

a)Relative humidity b)Organic food c)Suitable P_H d)moisture

98. one of the following is a method of heating

a)Freezing b)Pasteurization c)Canning d)Irradiation

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NOT FOR SALE!

99. The freeze-drying of food is referred to as.....?
- a) Lyophilization b) Blanching c) Sterilization d) Pasteurization
100. The best method to preserve milk is through.....?
- a) Dehydration b) Blanching c) Pasteurization d) Refrigeration
- 101) The international symbol used to label irradiated food is called what?
- a) Medusa b) Klyton c) Ramon d) Radura
102. What is the name of poultry breed that is kept for egg production?
- a) Pullets b) Boars c) Broilers d) Cockrels
103. What is the chief advantage of free range system?
- a) Bird is less likely prone to disease b) Birds have wider choice of feed
c) It is cheap to maintain d) Birds grow faster
104. Which of the following is not a poultry house equipment?
- a) Candler b) Lander c) Debeakers d) Brooders
105.Stage is a rearing period when birds are not laying but lose their
feathers
- a) Culting b) Cutting c) Routing d) Moulting
106. Nutrients in chicken diet can be calculated by using.....square
- a) Clayton b) Prentice c) McClair d) Pearson
107. One of the following is not a common disease in poultry.
- a) Coccidiosis b) Gumboro c) Black plague d) Newcastle
108. What is the deadliest disease in poultry

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a)New castle b)Everton c)Fowl pox d)Bird Flu

109. What is the viral disease that attacks the bursa of Fabricius in birds?

a)Fowl pox b)Coccidiosis c)Avian influenza d)Gumboro

110. Is the process of undertaking how reliable one can generalize the observed results in a sample under study to the larger population from which the same is drawn.

a)Statistical inference b)Hypothesis testing c)Binomial determination

d)Test of variance.

111. The hypothesis of interest that the investigator wants to ascertain its veracity based on empirical evidence from the sample data is known as.....

a)Critical Hypothesis b)Alternative hypothesis c)Research hypothesis

d)Null hypothesis

112) The hypothesis of no effect which is basically the opposite of the research hypothesis is called

a)Alternative hypothesis b)Critical hypothesis c)Null hypothesis

d)Alternative hypothesis

113,. Which of the following statements is a two-tail alternative hypothesis set?

a)The average performance of Arsenal is better than that of Chelsea last season

b)The average performance of Arsenal is different from that of Chelsea last season

c) The average performance of Arsenal is worse than that of Chelsea last season

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NOT FOR SALE!

d) The average performance of Arsenal is not different from that of Chelsea last season

114. A test result is said to be significant only when.....

a) The test accepts all the propositions of the null hypothesis

b) The test accepts the null and alternative hypothesis altogether.

c) The test rejects the alternative hypothesis in favor of the null hypothesis

d) The test rejects the null hypothesis in favor of the alternative hypothesis

115. What is the error committed when a wrong null hypothesis is accepted?

a) Type i error b) Type iii error c) Type ii error d) Type iv error

116. The level of significance of a statistical hypothesis test is also known as what?

a) The type iv error b) Type iii error c) Type ii & i error d) Type i error

117. If the null hypothesis is not rejected, this means that.....?

a) The null hypothesis is correct

b) The null hypothesis is strong to disprove the alternative hypothesis.

c) There is not enough evidence to reject the alternative hypothesis

d) The alternative hypothesis does not test significantly.

118. Which of the following is not among the spheres that constitute the earth?

a) Lithosphere b) Biosphere c) Hydrosphere d) None.

119. The most abundant gaseous element in the atmosphere is what?

a) Oxygen b) Argon c) Nitrogen d) Methane

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120. The thermal layer of the Atmosphere close to the earth surface is called what?

- a) Thermosphere b) Troposphere c) Stratosphere d) Mesosphere

121. Where can Ozone be found in large proportion?

- a) Stratosphere b) Troposphere c) Mesosphere d) Thermosphere.

122. Ozone is a form of?

- a) Carbon b) Nitrogen c) Oxygen d) Nitrous oxide.

123. Which of the following is a micronutrient?

- a) Carbohydrates b) Lipids c) Proteins d) Vitamins.

124. What is balanced diet?

- a) A diet containing micronutrients & macronutrients in adequate quantity.
b) A diet containing essential micronutrients and Amino acids
c) A diet devoid of contamination
d) A diet that is eating thrice daily.

125. Dietary reference intake service consist of the following values except

- a) Adequate Intake (AI) b) Estimated Average Requirement (EAR)
c) Tolerable Upper-Intake level (UL) d) Allowed Dietary Consumed (ADC)

126. is defined as an excess of body fat.

- a) Kwashiorkor b) Marasmic Kwashiorkor c) Obesity d) Marasmus

127. One of the following is not an office suite application.

- a) Microsoft Lotus b) Microsoft word c) Microsoft Publisher d) Microsoft Excel.

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128. Secondary Protein Energy Malnutrition can be caused by which of these?

- a) Aids b) Malaria c) Chicken pox d) Sincere Fever

129. Biomass burning is the burning of?

- a) Waste b) Living and Dead Vegetation c) Tin d) Lifestuff

130. GNS 311 is about the.....?

- a) History and study of Marxism b) History and philosophy of science
c) History and science of Zoology d) General study of science

Answers.

- | | | | | | |
|-------|-------|-------|-------|-------|-------|
| 1. C | 15. D | 29. A | 43. A | 57. B | 71. B |
| 2. B | 16. D | 30. A | 44. D | 58. D | 72. C |
| 3. D | 17. D | 31. C | 45. A | 59. D | 73. D |
| 4. B | 18. A | 32. A | 46. A | 60. C | 74. D |
| 5. A | 19. B | 33. A | 47. D | 61. A | 75. A |
| 6. D | 20. C | 34. B | 48. A | 62. A | 76. A |
| 7. B | 21. D | 35. D | 49. A | 63. A | 77. C |
| 8. B | 22. B | 36. A | 50. B | 64. D | 78. C |
| 9. C | 23. C | 37. C | 51. A | 65. D | 79. D |
| 10. C | 24. D | 38. D | 52. C | 66. C | 80. B |
| 11. C | 25. D | 39. A | 53. A | 67. C | 81. B |
| 12. D | 26. C | 40. C | 54. D | 68. B | 82. B |
| 13. A | 27. A | 41. A | 55. A | 69. C | 83. C |
| 14. A | 28. B | 42. B | 56. B | 70. A | 84. C |

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|--------|--------|
| 85. C | 109. D |
| 86. A | 110. B |
| 87. A | 111. B |
| 88. D | 112. C |
| 89. B | 113. B |
| 90. C | 114. D |
| 91. C | 115. C |
| 92. D | 116. D |
| 93. B | 117. C |
| 94. A | 118. D |
| 95. B | 119. C |
| 96. D | 120. B |
| 97. A | 121. A |
| 98. B | 122. C |
| 99. A | 123. D |
| 100. C | 124. A |
| 101. D | 125. D |
| 102. A | 126. C |
| 103. C | 127. A |
| 104. B | 128. A |
| 105. D | 129. B |
| 106. D | 130. B |
| 107. C | |
| 108. A | |