

HESKAY

OLABISI ONABANJO UNIVERSITY, AGO-IWOYE, OGUN STATE

DIRECTORATE OF THE GENERAL STUDIES

GNS 105: HISTORY AND PHILOSOPHY OF SCIENCE

2012/2013 HARMATTAN SEMESTER EXAMINATION SESSION

TIME ALLOWED: 35mins.

Instruction: Choose a correct answer from the options provided for each question

1. \_\_\_\_\_ is the ability to do work (a) power (b) energy (c) wisdom (d) strength
2. ANOVA means..... (a) Analysis of variance (b) analysis of variable (c) analysis variation (d) analysis of variability.
3. Halogenated waste materials contain..... (a) halogen compounds. (b) Chlorine or fluorine (c) Hydrogen and chlorine (d) Chlorine and fluoride (b) a and b.
4. Australopithecus mean (a) Southern ape (b) south Africa ape (c) man ape of South Africa (d) a and c (e) a and b
5. Tools employed in scientific methodology includes (a) use of library, oral interview (b) questionnaire, physical observation (c) experimentation, design and data analysis (d) the above.
6. \_\_\_\_\_ is a source of vast information stored in literatures such as books, magazine, journals, periodicals (a) Internet (b) website (c) bookstore (d) library
7. The standard unit for measuring energy is in (a) watts (b) ampere (c) joules (d) volts
8. \_\_\_\_\_ is the part of the Earth capable of supporting life (a) atmosphere (b) hydrosphere (c) biosphere (d) mesosphere
9. \_\_\_\_\_ is the study of microorganisms that can be seen with unaided eyes is referred to as (a) mycology (b) virology (c) microbiology (d) bacteriology
10. The satellite of the Earth is called..... (a) sun (b) star (c) moon (d) galaxy
11. Recycling method of waste disposal management include all these except (a) physical reprocessing (b) biological reprocessing (c) chemical reprocessing (d) energy recovery
12. Non renewable energy include all these except (a) fossil fuels (b) coal (c) mineral oil (d) solar energy
13. The largest of the water bodies covering the Earth's surface is the (a) rivers (b) oceans (c) groundwater (d) glacier
14. \_\_\_\_\_ causes the destruction of ozone layer in the stratosphere (a) chlorofluorocarbons (b) organochlorine compounds (c) polychlorinated biphenyls (d) carbon monoxide
15. Which of the following best describe the term "pathogen" (a) they are disease causing biochemical (b) they are disease causing organisms (c) they are hazardous contaminant agent (d) they are toxic organism
16. Recycling, neutralization, incineration, isolation are ways of disposition of (a) hazardous waste (b) household waste (c) household waste (d) poisonous waste
17. \_\_\_\_\_ causes the greenhouse effect and climate change (a) carbon dioxide (b) carbon monoxide (c) nitrogen (d) sulphuric acid



18. ----- remain the primary source of the total energy supply in the world fossil fuels (b) nuclear energy (c) hydropower energy ~~(d)~~ solar energy (e) lunar energy
19. Chemical names of compounds must not be used when filling a waste ticket (a) true ~~(b)~~ false (c) it depends on the waste (d) only for radioactive waste
20. Reduce, Reuse and Recycle are the procedures maintained in a ----- concept of waste management ~~(a)~~ Waste hierarchy (b) proximity principle (c) precautionary principle (d) duty of care principle
21. In which of these Nigerian states can Geothermal energy be harnessed most (a) Oyo (b) Lagos (c) Osun ~~(d)~~ Ekiti
22. The first discoveries of Natural gas were made in (a) Qatar (b) Libya ~~(c)~~ Iran (d) Iraq
23. The type of energy reaction in nuclear reactors involves (a) oxidation-reduction (b) hydration-hydrolysis (c) etherification ~~(d)~~ fusion-fission
- ~~24.~~ For a hazardous waste to be ignitable, it should have a flash point of less than ~~(a)~~ 60°C (b) 40°C (c) 40°C (d) 160°C
25. Pesticides, Electronics, caustic/cleaning agents, ammunitions and radioactive wastes can be considered as Household hazardous wastes ~~(a)~~ True (b) False (c) not sure (d) it depends if none hazardous
26. When hot water comes out from a crack in the earth crust as an explosion of steam, it is called a ----- (a) hot spring (b) vapour ~~(c)~~ geothermal energy (d) geyser
27. Explosives as wastes are regarded as hazardous because of its ----- attribute (a) corrosive ~~(b)~~ reactive (c) toxic (d) radioactive
28. In waste management concept, PRP stands for ~~(a)~~ precautionary principle (b) proximity principle (c) polluter responsible pays (d) producer responsibility polluter
- ~~29.~~ All of the following substances are physical recycling not recommended for (a) oil (b) metal (c) glass ~~(d)~~ poultry waste
30. Waste disposal by landfill could also be referred to as (a) sequestering ~~(b)~~ incineration (c) neutralization (d) throw away method
31. Ozone layer depletion by CFC takes place in the ~~(a)~~ stratosphere (b) mesosphere (c) troposphere (d) thermosphere
32. Natural gas is chiefly made up of ~~(a)~~ Methane (b) Carbon dioxide (c) Oxygen (d) Oily smoke
33. The earth's own galaxy is known as the ----- (a) solar system ~~(b)~~ milky way (c) universe (d) satellite
34. Ozone layer depletion and greenhouse effect both result into ----- (a) hazardous waste ~~(b)~~ global warming (c) acid rain (d) environmental pollution
35. The recycling of organic materials such as plants, waste and food waste by the use of composting and digestion processes to decompose organic matter is referred to as ----- (a) Physical reprocessing ~~(b)~~ Biological Reprocessing (c) Energy recovery (d) Waste disposition

man-made galaxy

CO2 & CFC