

2022

HILLRANGE SECONDARY SCHOOL, ENUGU

ENTRANCE EXAMINATION INTO JS1

SUBJECT: GENERAL PAPER

Instruction: Attempt all the questions by encircling the correct option.

1. A scientist who studies plant is known as a/an
 - A. botanist
 - B. ecologist
 - C. geologist
 - D. plantist
 - E. zoologist
2. A scientist who studies animals is known as a/an
 - A. botanist
 - B. ecologist
 - C. geologist
 - D. plantist
 - E. zoologist
3. The subject that introduces students to sciences is known as
 - A. basic science
 - B. earth science
 - C. life science
 - D. natural science
 - E. physical science
4. Biology is an example of _____ science
 - A. basic
 - B. earth
 - C. life
 - D. natural
 - E. physical
5. Chemistry is an example of _____ science
 - A. basic
 - B. earth
 - C. life
 - D. natural
 - E. physical
6. Science can be defined as
 - A. the study of living things
 - B. the study of non living things
 - C. the system of acquiring knowledge about artificial things
 - D. the system of acquiring knowledge about natural things
 - E. all of the above
7. Which of the following is **NOT** an example of a science related occupation?
 - A. Civil engineering
 - B. Dentistry
 - C. Electrical engineering
 - D. Law
 - E. Pharmacy
8. Which of the following occupation is the **ODD** one?
 - A. Civil engineering
 - B. Dentistry
 - C. Medicine and surgery
 - D. Nursing
 - E. Pharmacy
9. Which of the following is the **FIRST** step in scientific methods?
 - A. Conclusion
 - B. Experimentation
 - C. Observation
 - D. Recording of result
 - E. Statement of problem

10. A/an _____ is a reasonable statement or explanation about a phenomenon
- A. experiment
 - B. hypothesis
 - C. law
 - D. statement of problem
 - E. theory
11. A laboratory apparatus used for transferring solids is known as a
- A. Beaker
 - B. Conical flask
 - C. Measuring cylinder
 - D. Spatula
 - E. Volumetric flask
12. Which of the following is the ODD one?
- A. Civil engineering
 - B. Computer engineering
 - C. Dentistry
 - D. Electrical engineering
 - E. Mechanical engineering
13. Which of the following is used to measure the volume of a liquid?
- A. Beaker
 - B. Burette
 - C. Conical flask
 - D. Measuring cylinder
 - E. Volumetric flask
14. When a hypothesis has been tested and found to be correct, it proceeds to become a/an
- A. conclusion
 - B. idea
 - C. law
 - D. observation
 - E. theory
15. There are _____ states of matter
- A. 2
 - B. 3
 - C. 4
 - D. 5
 - E. 6
16. Which of the following protects the brain from damage?
- A. Backbone
 - B. Hairs
 - C. Muscle
 - D. Ribcage
 - E. Skull
17. Which of the following is NOT a characteristic of living things?
- A. Adaptation
 - B. Competition
 - C. Continuous living
 - D. Death
 - E. Nutrition
18. Respiration takes place in which part of the cell?
- A. Cell membrane
 - B. Cytoplasm
 - C. Mitochondria
 - D. Nucleus
 - E. Ribosome
19. Organisms that manufacture their own food are known as
- A. autotrophs
 - B. carnivores
 - C. herbivores
 - D. heterotrophs
 - E. omnivores
20. Which of the following is NOT a form of movement on land?
- A. Crawling
 - B. Flying
 - C. Jogging
 - D. Walking
 - E. Wriggling

21. Organisms that feed on both plants and flesh are known as
- carnivorous animals
 - carnivorous plants
 - herbivorous animals
 - omnivorous animals
 - saprophytic animals
22. An organism's ability to respond to stimulus is known as
- adaptation
 - growth
 - irritability
 - movement
 - nutrition
23. The process whereby matter changes from solid to gas is known as
- condensation
 - deposition
 - freezing
 - melting
 - sublimation
24. The process whereby matter changes from gas to liquid is known as
- condensation
 - evaporation
 - freezing
 - melting
 - sublimation
25. The boiling point of pure water is _____ degree Celsius
- 0
 - 35
 - 37
 - 99
 - 100
26. The freezing point of pure water is _____ degree Celsius
- 0
 - 35
 - 37
 - 99
 - 100
27. The types of reproduction is/are
- asexual reproduction only
 - asexual and bisexual reproduction
 - sexual reproduction only
 - sexual and asexual reproduction
 - sexual and bisexual reproduction
28. The removal of waste product from the body is known as
- digestion
 - egestion
 - excretion
 - growth
 - respiration
29. Which of the following is TRUE about a non living thing?
- The do not have cell
 - They excrete
 - They grow
 - They move
 - They feed
30. Which of the following is an example of an omnivorous animal?
- Cow
 - Goat
 - Human beings
 - Leopard
 - Lion
31. Which of the following is NOT a feature of living things?
- Absence of metabolic activities
 - Growth
 - Nutrition
 - Presence of cell
 - Presence of metabolic activities

32. Non living things grow by a process known as
- accretion
 - binary fission
 - budding
 - cell multiplication
 - fragmentation
33. Living things increase in size (grow) by
- accretion
 - binary fission
 - budding
 - cell multiplication
 - fragmentation
34. Which of the following metals exist naturally in a liquid state?
- Aluminium
 - Calcium
 - Copper
 - Gold
 - Mercury
35. Substances that allow electricity to pass through them are known as _____ while _____ are substances that do not allow electricity to pass through them.
- metals and metals
 - metals and non metals
 - non metals and non metals
 - non metals and metals
 - none of the above
36. Which of the following is an example of an autotroph?
- Cow
 - Fungi
 - Green plants
 - Human beings
 - Lion
37. Which of the following is NOT an example of a heterotroph?
- Cow
 - Fungi
 - Green plants
 - Human beings
 - Lion
38. Lion is to carnivores as giraffe is to
- carnivores
 - herbivores
 - omnivores
 - saprophytes
 - scavengers
39. Which of the following is an example of a saprophyte?
- Cow
 - Fungi
 - Goat
 - Lion
 - Vulture
40. Which of the following is an example of a citrus plant
- Cashew
 - Guava
 - Mango
 - Pear
 - Tangerine
41. Rubber is under which class of plant?
- Cash crops
 - Citrus plants
 - Food crops
 - Fruit plants
 - Herbs
42. Which of the following is NOT a component of an animal cell?
- Cell membrane
 - Cell wall
 - Cytoplasm
 - Mitochondria
 - Nucleus

43. Which part of the cell contains genetic materials?
- Cell membrane
 - Cell wall
 - Cytoplasm
 - Mitochondria
 - Nucleus
44. Photosynthesis occurs in which part of the plant cell?
- Cell membrane
 - Chloroplast
 - Cytoplasm
 - Mitochondria
 - Nucleus
45. The smallest structural and functional unit of life is known as a/an
- cell
 - organ
 - organelle
 - system
 - tissue
46. Technology makes the world a global village through
- Aeroplane
 - Agriculture
 - Electricity
 - Internet
 - Television
47. Which of these is **NOT** a reason to study technology?
- Making good use of resources
 - Safety
 - Self empowerment
 - Skill acquisition
 - To know how to use technology to commit crime
48. A foreigner can only become a Nigerian when he/she has
- certificate of naturalization
 - certificate of occupancy
 - foreigner's permit
 - international passport
 - transfer certificate
49. A significant property of rubber that differentiates it from plastics is
- brittleness
 - conductivity
 - elasticity
 - tenacity
 - transparency
50. A red litmus paper was dipped inside a colourless liquid and it turned red. This confirms that the liquid is a/an
- acid
 - base
 - juice
 - salt
 - water
51. The vice president of Nigeria is
- Professor Abraham Gambari
 - Professor Wole Soyinka
 - Professor Yemi Osibanjo
 - Professor Yomi Osibanjo
 - Professor Yomi Osundare
52. Which state is known as "The Light of The Nations" ?
- Abia state
 - Anambra state
 - Ebonyi state
 - Edo state
 - Imo state
53. The following are Nigeria Armed Forces **EXCEPT**
- Air Force
 - Army
 - Customs
 - Navy
 - Road Safety

54. The present governor of central bank of Nigeria is

- A. Chukwuma Soludo
- B. George Emefiele
- C. Godwin Emefiele
- D. Lamido Sanusi
- E. Sule Lamido

55. The head of the judiciary in a state is called

- A. Chief Judge
- B. Chief Justice
- C. Grand Khali
- D. President
- E. Speaker

56. How many senators are elected from each state in Nigeria?

- A. 2
- B. 3
- C. 4
- D. 5
- E. 6

57. Whose face is on the Nigeria's N200 note?

- A. Ahmadu Bello
- B. Abdusallam Abubakar
- C. Herbert Marculey
- D. Nnamdi Azikiwe
- E. Sani Abacha

58. Which of the following is NOT a function of the family?

- A. Education
- B. Procreation
- C. Prosecution
- D. Security
- E. Love

59. The director general of the World Trade Organisation is

- A. Akin Adesina
- B. Geoffery Onyeama
- C. Ngozi Okonjo-Iweala
- D. Oblageli Ezekwesili
- E. Peter Obi

60. The two ends of a magnet are known as

- A. east and west poles
- B. north and east poles
- C. north and south poles
- D. south and west poles
- E. west and north poles

61. Barometer is an instrument used for measuring

- A. force
- B. pressure
- C. rainfall
- D. temperature
- E. time

62. The process by which green plants make their own food is called

- A. diffusion
- B. photosynthesis
- C. phototropism
- D. respiration
- E. transpiration

63. Which of the following gases is used for putting out fire

- A. Carbon dioxide
- B. Chlorine
- C. Hydrogen
- D. Nitrogen
- E. Oxygen

64. All the following are pressure groups EXCEPT, the

- A. Nigeria labour congress
- B. Nigeria red cross society
- C. Nigeria union of journalists
- D. Nigeria union of road transport workers
- E. Nigeria union of teachers

65. Which of the following bodies is responsible for conducting elections in Nigeria
- Electoral Board of Nigeria
 - Electoral Commission of Nigeria
 - Federal Electoral Board
 - Independent national electoral commission
 - National Council For Elections
66. The money a man pays to marry a woman is known as
- alimony
 - bride price
 - bridegroom price
 - dowry
 - marriage gift
67. Which of the following is not a social amenity?
- community borehole
 - family house
 - government hospital
 - public library
 - public school
68. Which of these is a mining town ?
- Benin-city
 - Ibadan
 - Jos
 - Kaduna
 - Lagos
69. The system of government in Nigeria is called
- autocracy
 - democracy
 - fascism
 - monarchy
 - theocracy
70. Who is the newly inaugurated governor of Anambra state?
- Andy Uba
 - Chukwuma Soludo
 - Peter Obi
 - Valentine Ozigbo
 - Willie Obiano
71. Nigeria became a republic in
- 1920
 - 1960
 - 1963
 - 1992
 - 1993
72. Who is Nigerian minister for Youth and Sports?
- Ifeanyi Ugwuanyi
 - Lai Mohammed
 - Nzekwe Manfred
 - Solomon Dalung
 - Sunday Dare
73. Nigeria has ---geopolitical zones.
- 1
 - 2
 - 5
 - 6
 - 7
74. Which of these states is known as "The Food Basket" of the nation?
- Abia
 - Benue
 - Ebonyi
 - Enugu
 - Kogi
75. Who is the current Nigeria senate president?
- Adolphus Wabara
 - Almed Lawal
 - Femi Gbajabamila
 - Ike Ekweremmadu
 - Ken Nnamani

76. The name of the current president of Russia is
- A. Donald Trump
 - B. Joe Biden
 - C. Kim Jong-un
 - D. Vladimir Putin
 - E. Volodymyr Zelenskyy
77. The capital of Ukraine is
- A. Beijing
 - B. Kyiv
 - C. Moscow
 - D. New Delhi
 - E. Pyongyang
78. Which of the following rusts easily?
- A. Copper
 - B. Earthen ware
 - C. Glass
 - D. Iron
 - E. Plastic
79. The movement of planting materials from the nursery to the permanent field is called
- A. afforestation
 - B. capping
 - C. nursery
 - D. supplying
 - E. transplanting
80. The class of food that provides the body with energy is called
- A. carbohydrate
 - B. mineral salt
 - C. protein
 - D. vitamin
 - E. water