ELIZADE UNIVERSITY, ILARA-MOKIN, ONDO STATE, NIGERIA

DEPARTMENT OF

MECHANICAL, AUTOMOTIVE AND PRODUCTION ENGINEERING

SECOND SEMESTER EXAMINATIONS

2016/2017 ACADEMIC SESSION

HOD'S SIGNATURE

COURSE: GNE 102 – Engineer in Society (1 Unit)

CLASS: 100 Level General Engineering

TIME ALLOWED: 1 Hour

INSTRUCTIONS: Answer all questions

Date: July/August, 2017

1. _____ is an occupation or skill which involves doing or practicing, as a full-time occupation for payment or to make a living
2. The following is necessary to have in mind when planning to have a career EXCEPT
   a. Knowing your capability
   b. The Needs, Desire and Attitude
   c. Available Job Opportunities
   d. Money
3. _____ is the knowledge arranged in an orderly manner, especially knowledge obtained by observation and testing of facts in pursuit of knowledge
4. _____ summarizes and explains the facts and principles discovered about the universe and its inhabitants while _____searches for the practical use of scientific knowledge useful to man.
5. Two major developments in the 15th century that radically changed the course of the western world are _____ and _____
6. The uses of science produce the following EXCEPT:
   a. It has revolutionalised transportation
   b. It brought about industrial revolution
   c. It has reduced man's healthier life
   d. It has revolutionalised the raising of crops and livestock
   e. It has improved the weapons system of the armed forces
7. The scientific method is a way of _____
8. The scientific method of planning involves the following EXCEPT:
   a. Interpreting Data
   b. Drawing Conclusions
   c. Stating the solution
   d. Forming the hypothesis

9. _____ is the study, mastery and utilization of manufacturing and industrial methods, systematic application of knowledge to practical tasks in industry.
10. _____ is the application of scientific principles to the optional conversion of natural resources into structures, machines, products, systems and process for mankind
11. A scientist purpose is to _____ while a technologist purpose is to _____.
12. The Eiffel tower and the pyramid of Khufe in Egypt are the important milestones in which branch of engineering
    a. Chemical Engineering
    b. Mechanical Engineering
    c. Civil Engineering
    d. Mining Engineering
    e. Agricultural Engineering
13. Steam Engine was developed by _____ in the year 1884
14. Mechanical Engineering has the following areas of specialization EXCEPT:
    a. Industrial Engineering
    b. Building Services, Refrigeration and Air Conditioning
    c. Automotive Engineering
    d. Structural Engineering
    e. Mechatronics
15. A _____ engineer searches for minerals and decides how to remove the ore from the ground cheaply and efficiently as possible while a _____ Engineer separates the minerals from their ores and prepares them for use
16. _____ engineers are concerned with the chemical processes that change raw materials into useful products
17. Primitive man lived in _____ or _____ to protect himself from dangerous wild beasts and enemy tribes.
18. OSHA in engineering means
    a. Occupational Security and Hazard Act
    b. Occupational Safety and Hazard Act
    c. Occupational Safety and Health Act
    d. Occupational Safety and Human Act
19. _____ is defined as the possibility or chance of meeting dangers suffering loss or injury
    a. Safety
    b. Risk
    c. Accident
    d. Precaution
20. Property risk can be managed through the purchase of
    a. Fire
    b. Insurance
    c. Managers
    d. Economics
21. Safety in the engineering workshop can be observed by
    a. Wearing helmets
    b. Wearing slippers
    c. Running on Slippery grounds

d. Avoiding safety rules and regulations

22. A _____applies scientific information for practical uses while a _____uses specialized technical skill to translate scientific ideas into useful product or services

23. A _____ engineer makes improved product based on the results from scientific discoveries that works for man
    a. Planning
    b. Consulting
    c. Research and Development
    d. Test

24. The role of engineer in nation building involves the following EXCEPT:
    a. Development of local raw materials for industrial use
    b. Promotion and development in the area of acquisition of technological know- how
    c. Fabrication of machine, tools and equipment that meet international standard
    d. Promoting foreign products for the nation

25. COREN in Nigeria means
    a. Committee of Registered Engineers in Nigeria
    b. Council of Registered Engineers in Nigeria
    c. Council for the Regulation of Engineering in Nigeria
    d. Committee for Regulation of Engineering in Nigeria

26. NSE in engineering means
    a. Nigerian Structural Engineers
    b. Nigerian Society of Engineers
    c. National Society of Engineers
    d. National System of Engineers

27. The Code of Ethics for professional engineers tells:
    a. How the engineer should conduct himself in professional dealings with the public, clients, employers and other engineers
    b. The engineer to argue with contractors in a rude manner
    c. The engineer how to design a substandard structure or equipment
    d. The quack engineer how to construct skyscraper buildings

28. Graduates of an HND program in engineering pass through how many years in a polytechnic
    a. 2
    b. 4
    c. 3
    d. 5

29. Engineering technologist are _____holders while engineering technicians are _____holders
    a. OND and HND
    b. HND and OND
    c. NCE and OND
    d. Degree and NCE

30. _____is a trade (especially between two countries) which involves the exchange and distribution of goods
    a. Commerce
    b. Industry
    c. Management

d. Engineering

31. _____is defined as a branch of trade or manufacture (constructed with distribution and commerce), and is the area of land planned and used for building of factories (to be rented to manufacturers)
    a. Commerce
    b. Industry
    c. Management
    d. Engineering
32. _____is used to mean a group of persons called executives that make every action or decision to help achieve a carefully chosen goal
    a. Commerce
    b. Industry
    c. Management
    d. Engineering
33. _____industries make direct use of natural resources while_____ industries involve the selling and final use of products and services
34. The processing of raw materials is usually called _____
35. Problems of Industrialization in Nigeria are the following below except
    a. Inadequate Capital
    b. Poor transport Facilities
    c. Regular power supply
    d. Problems of skilled and dedicated worker
36. The aspect of management which deals with the planning of workflow and the entire production process is termed
    a. Personal Management
    b. Industrial Management
    c. Financial Management
    d. Market Management
37. The aspect of management which deals with the worker's compensation, welfare and scheduling is termed
    a. Personal Management
    b. Industrial Management
    c. Financial Management
    d. Market Management
38. The aspect of management which deals with capital required to support the production and distribution of company's goods and/or services is termed
    a. Personal Management
    b. Industrial Management
    c. Financial Management
    d. Market Management
39. The Babylonians made use of minimum wage rate principle in the
    a. 1940 BC
    b. 1950 BC
    c. 1644 BC
    d. 1300 BC

40. Industrial Revolution in England Started in the year
    a. 1770
    b. 1600
    c. 1300
    d. 1500
41. Charles Babbage was a professor of mathematics that worked on
    a. Division of labour
    b. Motion Study
    c. Industrial revolution
    d. Salaries and Wages
42. Henry L. Gantt developed _____chart for graphically representing work to be done and work already accomplished
43. The book on "The Principles of Scientific Management" was written by who in 1911
    a. Charles Babbage
    b. Fredrick Taylor
    c. Henry Gantt
    d. Harrington Emerson
44. Frank and Lillian Gilbreth developed a _____study and its inclusion as a basic part of scientific management.
45. Candidates are expected to acquire at least _____ years of professional engineering practice following graduation before applying to be a registered engineer in Nigeria.
    a. 2
    b. 4
    c. 6
    d. 8
46. A _____engineer directs the building operations of factories, dams and bridges.
47. Technical workers are categorised into _____, _____, _____ and _____
48. Specialised Areas of Civil Engineering involves the following except:
    a. Highway Engineering
    b. Structural Engineering
    c. Nuclear Engineering
    d. Transportation Engineering
49. The first culture to undertake true scientific inquiry was that of the
    a. The middle ages
    b. The ancient Greeks
    c. The Renaissance
    d. The Germans
50. _____is the possibility of an unseen development that influences our welfare
    a. Safety
    b. Risk
    c. Technology
    d. Science