



**CHRIST HIGH SCHOOL PLOT 5, CHS
STREET, KM 32, ABUJA-KEFFI ROAD
UKE, NASARAWA STATE**

**END OF SECOND TERM
EXAMINATION 2024/2025
ACADEMIC SESSION**

**SUBJECT: BASIC SCIENCE
AND TECHNOLOGY
CLASS: JS 1
TIME: 2 Hours**

NAME.....

CANDIDATE'S ADMISSION NO.

INSTRUCTION

**Write your name and number in the space
provided on your answer booklet. Write your
name on any extra sheet used.**

**Answer all questions in section A and
answer only four questions in the theory, one
(1) question from each subject.**

**At the end of the examination, staple all your
work securely together.**

FOR EXAMINER'S USE	
Total Score:	

SECTION A: OBJECTIVE

INSTRUCTION: Answer all questions from this part

BST A: BASIC SCIENCE

1. _____ is the ability and capacity to do work
 - A. Strength
 - B. Power
 - C. Endurance
 - D. Energy
 - E. Speed
2. The following are forms of energy except
 - A. Chemical energy
 - B. Electrical energy
 - C. Sound energy
 - D. Heat energy
 - E. Rotational energy
3. _____ is the type of energy possessed by a body in motion.
 - A. Chemical energy
 - B. Kinetic energy
 - C. Potential energy
 - D. Heat energy
 - E. Rotational energy
4. _____ is the type of energy possessed by a body at rest
 - A. Chemical energy
 - B. Kinetic energy
 - C. Potential energy
 - D. Heat energy
 - E. Rotational energy
5. the energy that possesses charges in form of electric current is called
 - A. Heat energy
 - B. Light energy
 - C. Sound energy
 - D. Electrical energy
 - E. Mechanical energy
6. The energy that enables plant to produce their own food is known as
 - A. Photosynthesis
 - B. Thermal energy
 - C. Sound energy
 - D. Solar energy
 - E. Photo energy
7. An electric fan undergoes what transformation of energy
 - A. Transformation of electrical energy to heat energy
 - B. Transformation of mechanical energy to electrical energy
 - C. Transformation of heat energy to electrical energy
 - D. Transformation of electrical energy to mechanical energy
 - E. Transformation of electrical energy to sound energy
8. How is energy transformed when a pressing iron is being used?
 - A. Electrical energy → Thermal (heat) energy
 - B. Mechanical energy → Sound energy
 - C. Chemical energy → Mechanical energy
 - D. Solar energy → Chemical energy
 - E. Electric energy → Mechanical energy
9. Nonrenewable energy can also be referred to as
 - A. Natural energy
 - B. plastic energy
 - C. Re-use energy
 - D. Synthetic/exhaustible energy
 - E. Non-use energy
10. Which of the following is not a renewable energy?

- A. Hydro energy
- B. Wind energy
- C. Solar energy
- D. Natural gas
- E. Wave energy

BST B: BASIC TECHNOLOGY



11. The drawing instrument above is an example of a _____
- A. Scale rule
 - B. Sets-square
 - C. protractor
 - D. Tee-square
 - E. Compass
12. _____ is used for transferring measurement from one scale rule to the drawing
- A. divider
 - B. pencil
 - C. eraser
 - D. protractor
 - E. drawing board
13. One of the following instruments is used to remove mistake from a drawing
- A. Pencil
 - B. eraser
 - C. pencil sharpener
 - D. Tee square
 - E. Set squares
14. The protractor is used for measuring angles in _____.
- A. centimeters
 - B. percentages
 - C. millimeters
 - D. degrees
 - E. decimals
15. _____ is a flat wooden board with a smooth rigid surface. It is suitable for A3 paper
- A. Square board
 - B. Scale rule
 - C. Drawing board
 - D. A4 paper
 - E. Set square
16. We have the _____ set squares.
- A. 45^0 and 60^0
 - B. 45^0 and 70^0
 - C. 90^0 and 60^0
 - D. 180^0 and 90^0
 - E. 30^0 and 60^0
17. _____ is a quick way of drawing objects without the use of drawing instruments.
- A. Free hand drawing
 - B. Book sketching
 - C. Lead sketching

- D. Rough sketching
- E. Free hand sketching

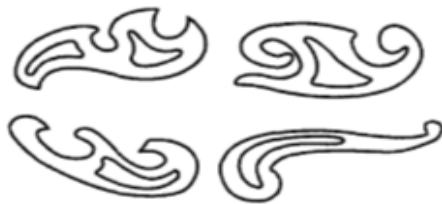
18. Which of the following is not a drawing instrument?

- A. French curves
- B. Cleaner
- C. Pair of compasses
- D. Pair of dividers
- E. Protectors

19. A title block is located at the ____ corner of the drawing paper.

- A. Bottom left
- B. Middle left
- C. Top left
- D. Bottom right
- E. Top right

20. The tool sketched below is called ____



- A. compass
- B. scribe
- C. French curve
- D. English curve
- E. scale rule

BST C: PHYSICAL AND HEALTH EDUCATION

21. How many players make a team on the court, in the game of volleyball?

- A. 11
- B. 9
- C. 10
- D. 7
- E. 6

22. Acquired Immune Deficiency Syndrome (AIDS), is caused by a ____

- A. Bacteria
- B. Fungi
- C. Protozoa
- D. Virus
- E. Worm

23. One among the following is not a contact sport

- A. Judo
- B. Basketball
- C. Table tennis
- D. Boxing
- E. Football

24. ____ are generally known as body building foods

- A. Carbohydrates
- B. Proteins
- C. Fats
- D. Vitamins
- E. Minerals

25. Which among the following is a good source of carbohydrates?

- A. Yam
 - B. Groundnut
 - C. Milk
 - D. Egg
 - E. Pepper
26. A deuce in volleyball occurs when both teams have ____ points
- A. 24
 - B. 23
 - C. 22
 - D. 21
 - E. 19
27. ____ is not classified as a pathogen
- A. Fungi
 - B. Vector
 - C. Bacteria
 - D. Virus
 - E. Protozoa
28. Rotation in volleyball is done in a ____ manner
- A. Circular
 - B. Random
 - C. Clockwise
 - D. Anti-clockwise
 - E. Square
29. Kwashiorkor is a disease that results from the deficiency of what nutrient?
- A. Vitamins
 - B. Fats
 - C. Minerals
 - D. Proteins
 - E. Water

30. ____ is a good example of a contact sport
- A. Tennis
 - B. Swimming
 - C. Table tennis
 - D. Golf
 - E. Soccer

BST D: INFORMATION AND COMMUNICATION TECHNOLOGY

31. Processed data is known as _____
- A. Information
 - B. Datum
 - C. Processed
 - D. Formation
 - E. Datas
32. All are attributes of information except one
- A. It is analyzed
 - B. It definite
 - C. It is rough
 - D. It is use for reference
 - E. It is neat
33. _____ unit controls and coordinate the whole operation of the system.
- A. Command unit
 - B. ALU
 - C. Control unit
 - D. Printer
 - E. Central processing unit.
34. Which of the following is not a type of data?
- A. Qualitative data
 - B. Quantitative data
 - C. Discrete data
 - D. Continuous data
 - E. Arabic data
35. The following are advantages of computer over electric typewriter except
- A. Arranges documents according to specific order (sorting)

- B. Enhances accessibility
 - C. It processes information into data
 - D. Reduces errors
 - E. Saves time of recall especially when information is needed urgently.
36. A standard desktop keyboard has ---- keys.
- A. 200
 - B. 101
 - C. 110
 - D. 75
 - E. 1000
37. Which of the following device does not belong to the group?
- A. Joystick
 - B. Light pen
 - C. Plotter
 - D. Scanner
 - E. Trackball
38. The gap between two connections with varying level of modern technology is called?
- A. Computer age
 - B. Digital divide
 - C. National boundary
 - D. Political difference
 - E. Technology banner
39. The way data are collected and process by the computer is called ----
- A. Data mood
 - B. Processing mode
 - C. Batching mode
 - D. Collection mode
 - E. Stationary mode
40. _____ is an example of an output device.
- A. Speaker
 - B. Microphone
 - C. Scanner
 - D. Mouse
 - E. Keyboard

SECTION B.

BST A: BASIC SCIENCE

INSTRUCTION: Answer only one question from this part

1. Define renewable and non- renewable energy. 2marks
- 1b. list 3 examples of renewable and non-renewable energy each. 3marks
2. State the law of conversion of energy 2 marks
- 2b. State three uses of energy (3 MARKS)

BST B: BASIC TECHNOLOGY

INSTRUCTION: Answer only one question from this part

3. What is Free hand sketching? (3 marks)
- 3b. List any four (4) materials used for freehand sketching. (2 marks)
4. Define the following terms:
 - ii. drawing instruments
 - iii. drawing materials.
- 4b. Identify any four (4) drawing instruments

BST C: PHYSICAL AND HEALTH EDUCATION.

INSTRUCTION: Answer only one question from this part

5. Identify any four classifications of pathogens you know. (2 marks)
 - ii. State any six disease preventive methods. (3 marks)
6. State any six skills used in volleyball (3 marks)
 - ii. List any two contact sports and any two non-contact sports (2marks)

BST D: INFORMATION AND COMMUNICATION TECHNOLOGY

INSTRUCTION: Answer only one question from this part

7. List the standard structure of a keyboard. (3 marks)
 - ii. List four Ancient methods of transmitting information. (2 marks)
8. Define computer ethics. (2 marks)
 - ii. State the stages involved in data processing. (3 marks)