

# DO NOT TURN OVER THIS PAGE UNTIL YOU ARE TOLD TO DO SO

YOU WILL BE PENALIZED SEVERELY IF YOU ARE FOUND LOOKING AT THE NEXT PAGE BEFORE YOU ARE TOLD TO DO SO

## PAPER 1 OBJECTIVE TEST

45 minutes

Answer all the questions on your Objective Test answer sheet.

- Use 2B pencil throughout
- On the pre-printed answer sheet, check that the following details are **correctly** printed: Your **surname** followed by your **other names**, the *Subject Name*, your *Index Number*, *Centre Number* and the *Paper Code*.
- In the boxes marked Candidate Number, Centre Number and Paper Code, **reshade** each of the shaded spaces.
- An example is given below. This is for a candidate whose name is Seyram BABANAWO. Her index number is 772384188 and she is writing the examination at Centre Number 77234.

### BEST BRAIN EXAMINATION KONSORTIUM SPECIAL PRIVATE MOCK FOR BECE CANDIDATES OBJECTIVE ANSWER SHEET.

CANDIDATE NAME: <b>SEYRAM BABANAWO</b>	SUBJECT: <b>INTEGRATED SCIENCE</b>
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1. Use HB Pencil Press firmly	First mark completely
2. Answer each question by choosing one letter and then, shade through the letter chosen like this [A] <del>[B]</del> [C] [D] [E]	4. If only four alternative answers are given for each question, ignore the letter E
3. If you want to change an answer, rub out your	5. Your question paper may have fewer than 60 Questions.

CANDIDATE NUMBER								
7	7	2	3	8	4	1	8	8
[0]	[0]	[0]	[0]	[0]	[0]	[0]	[0]	[0]
[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]	[1]
[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]	[2]
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CENTRE NUMBER				
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PAPER CODE			
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[6]	[6]	[6]	[6]
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[8]	[8]	[8]	[8]
[9]	[9]	[9]	[9]

For Supervisors Only.

If candidate is absent shade this space

Answer **all** the following questions.

Each question is followed by **four** options lettered **A** to **D**. Find out the correct option for each question and shade **in pencil** on your answer sheet the space which bears the same letter as the option you have chosen. Give only **one** answer to each question. An example is given below.

The element with the chemical symbol **Si** is

- A. Silver
- B. Silicon
- C. Selenium
- D. Sodium

The correct answer is Silicon, which is lettered **B** and therefore answer space **B** would be shaded

**A**

**B**

**C**

**D**

Think carefully before you shade the answer space.

Erase completely any answer you wish to change.

Now answer the following questions.

1. Ammonia is an important chemical in agriculture for manufacturing
  - A. pesticides.
  - B. weedicides.
  - C. fertilizers.
  - D. insecticides.
2. It is easier to walk on soft sand if with flat shoes rather than shoes with sharp heels because
  - A. flat shoes are better than heels.
  - B. pressure distribution is less for flat shoes.
  - C. less the area, less is the pressure so heels create less pressure.
  - D. in muddy area, it is not a good idea to wear heels.
3. Which pathogen causes paralysis of the legs?
  - A. Typhoid
  - B. Poliomyelitis
  - C. Tuberculosis.
  - D. Cholera
4. An animal cell placed in a salty solution will
  - A. stay the same.
  - B. swell and get bigger.
  - C. shrink and get smaller.
  - D. develop chloroplasts.
5. Which organ can be damaged as a result of tuberculosis infection?
  - A. Heart
  - B. Brain
  - C. Lungs
  - D. Stomach..
6. The correct decreasing order of the rate of diffusion in the different states of matter is
  - A. solids, liquids, gases.
  - B. liquids, gases, solids.
  - C. gases, liquids, solids.
  - D. gases, solids, liquids.
7. In a chemical formula, the figures in subscript represent the number of
  - A. atoms.
  - B. molecules
  - C. elements
  - D. compounds.

8. How many hydrogen atoms are present in 2 molecules of water?  
 A. 1  
 B. 2  
 C. 3  
 D. 4
9. Which of the following is **not** a common symptom of corona virus?  
 A. Loss of sense of smell  
 B. Rashes on the body  
 C. Shortness of breath  
 D. Fever and chills
10. Which of the following is **not** an example of a compound?  
 A. HCl  
 B. NaCl  
 C. Cl<sub>2</sub>  
 D. CO<sub>2</sub>
11. Which of these animals would exert the greatest pressure on the ground?  
 A. A fat cow with big feet.  
 B. A calf with big feet.  
 C. A fat cow with small feet.  
 D. A calf with small feet.
12. Which of the following is a semi-metal?  
 A. Beryllium.  
 B. Boron.  
 C. Sulphur.  
 D. Lithium.
13. Light emitting diodes are **not** found in  
 A. electrical bulbs.  
 B. digital clocks.  
 C. remote controls.  
 D. television sets.
14. Work is done on a box when you  
 A. carry the box on your head while standing.  
 B. drag the box on the floor.  
 C. walk beside the box.  
 D. push against an immovable box.
15. A planet may not support life because  
 A. of its size.  
 B. of the time it takes to rotate.  
 C. of the time it takes to complete one revolution.  
 D. the temperature on it is too high or too low.
16. Breast milk is a source of an organic acid called  
 A. gastric acid.  
 B. citric acid.  
 C. lactic acid.  
 D. tartaric acid.
17. The energy change that occurs in your body when you are running is  
 A. chemical to mechanical.  
 B. heat to chemical.  
 C. chemical to heat.  
 D. heat to mechanical.
18. The highest level of complexity of structures in living organisms is  
 A. cells.  
 B. organs.  
 C. systems.  
 D. tissues.
19. In the cultivation of yams, we require  
 A. mounds.  
 B. raised beds.  
 C. ridges.  
 D. sunken beds.
20. A chemical reaction occurs when  
 A. salt dissolves in water.  
 B. shea butter is heated.  
 C. candle wax melts.  
 D. an egg is boiled.
21. The canine tooth is mainly used for  
 A. grinding.  
 B. crushing.  
 C. tearing.  
 D. chewing.
22. Which of the following grains is a cereal?  
 A. Cowpea.  
 B. Groundnut.  
 C. Millet.  
 D. Soya bean.
23. In gardening, the rake is mainly used for  
 A. harvesting  
 B. leveling  
 C. making mounds  
 D. turning compost.
24. Nitrogen mineral is needed by plants for  
 A. respiration.  
 B. manufacturing chlorophyll.  
 C. translocation.  
 D. transpiration.

Turn over

25. The electronic configuration of sodium is  
 A. 2,8,1  
 B. 2,8  
 C. 1,2,8,1  
 D. 1,2,8.
26. Plaques are formed on the teeth when we  
 A. eat a lot of hot food.  
 B. do not clean our teeth regularly.  
 C. clean our teeth too often.  
 D. eat coloured food.
27. The carbon compounds in plants is transferred to animals when the  
 A. animals eat the plants.  
 B. plants transpire.  
 C. plants die  
 D. animals respire.
28. All the following components of blood are solid in nature **except**  
 A. plasma.  
 B. red blood cells.  
 C. white blood cells  
 D. platelets.
29. A common symptom of food poisoning is  
 A. reduction in body temperature  
 B. presence of blood in urine.  
 C. stomach ache  
 D. worm infestation.
30. Steel is an example of a  
 A. solid in solid mixture.  
 B. solid in liquid mixture.  
 C. gas in liquid mixture.  
 D. liquid in liquid mixture.
31. Light energy is being converted to electrical energy when  
 A. dry cell is in use.  
 B. using electric stove.  
 C. solar panel is in use.  
 D. hammering a piece of metal.
32. Which of the following is **not** known as a compound?  
 A. Water.  
 B. Sugar.  
 C. Ammonia.  
 D. Aluminium.
33. Scavengers in an ecosystem are the animals that  
 A. produce their own food.  
 B. feed on dead materials.  
 C. feed on other animals.  
 D. feed on plants.
34. One reason why some buildings are white washed is that white  
 A. emits heat and keeps the buildings warmer.  
 B. reflect heat and keeps the building cooler.  
 C. absorbs radiations into the building.  
 D. prevents formation of cracks in the buildings.
35. A symptom of calcium deficiency in humans is  
 A. development of anaemia.  
 B. malfunctioning of the kidney.  
 C. malformation of bones.  
 D. swelling of thyroid glands.
36. Which of the following pairs of minerals in plants is micro-nutrients?  
 A. Copper and phosphorous  
 B. Potassium and calcium  
 C. Magnesium and molybdenum  
 D. Manganese and zinc.
37. An immersed body displaces a quantity of liquid equal to its  
 A. density.  
 B. mass.  
 C. volume.  
 D. weight.
38. Which of the following structures in a plant cell is concerned with the manufacture of organic food?  
 A. Mitochondrion  
 B. Chloroplast  
 C. Ribosome  
 D. Vacuole
39. Which of the following life processes takes place in the mitochondrion?  
 A. Growth  
 B. Nutrition  
 C. Reproduction  
 D. Respiration.
40. Which of the following statements is **not** true about the solar system?  
 A. Mercury is the hottest planet.  
 B. Jupiter is the biggest planet.  
 C. The sun attracts other bodies with a very great force.  
 D. The moon revolves around every planet.

**END OF PAPER**