INDEX NO	SIGNATURE	
LINDERATO		



UNIVERSITY OF GHANA

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DEPARTMENT OF TEACHER EDUCATION SCHOOL OF EDUCATION AND LEADERSHIP

SECOND YEAR END OF FIRST SEMESTER EXAMINATION, 2020/2021 (B. ED) BASIC EDUCATION

TEUP 207: INTRODUCTION TO INTEGRATED SCIENCE FOR UPPER PRIMARY
TIME ALLOWED: 2 HOURS DATE:

Instruction: THE PAPER IS IN TWO SECTIONS, A AND B. ANSWER ALL THE QUESTIONS IN SECTION A AND TWO IN SECTION B.

SECTION A (10 MARKS)

Instruction: Answer all the questions in this section in the answer booklet. For the multiple-choice items (questions 1 to 15), write the letter of the option that best answers the question. For questions 16 to 20, fill in the blank spaces with the most appropriate answers.

1.	The tomato plant can be classified as all of these except
	A. angiosperm
	B. dicots
	C. monocots
	D. vascular plants
2.	Which of the following is not an erect plant?
	A. Banana
	B. Cassava
	C. Mango
	D. Yam
3	The shoot system of a plant consists of the following except
٦.	A. Flowers
	B. Leaves
	C. Roots.
	D. Stems

the are usually termed as
4. The animals that are kept by humans for companionship are usually termed as
A. companions.
B. pesticide
C. pests
D. pets
5. All of the following are metals except
A. aluminium
B. chlorine
C. mercury
D. zinc
6. Which of the following is sonorous?
A. Argon
B. Copper
C. Iodine
D. Neon
7. Adwoa is given an unknown material named X. Adwoa realized that X loses electron
easily. X is likely to be a
A. metal
B. metalloid
C. non-metal
D. semi-metal
8. Steel and stainless steel are two different alloys but have some elements in common. Which of the following pairs of elements account for the difference(s) in
characteristics of the two alloys?
A. Carbon and iron
B. Chromium and nickel
C. Copper and zinc
D. Iron and tungsten
9. Which of the following quantities is an indication of the degree of hotness or coldness of a body?
A. Energy
B. Heat
C. Temperature
D. Workdone
10. All non-metals have low melting and boiling points except
A. sulphur
B. silicon
C. graphite
O. Brahmo

D. phosphorus	
 11. Two or more bodies are said to be in the A. their temperatures are at 0 K. B. their temperatures are at 0 °C. C. they are at the same temperature. D. they have no heat energy in them. 	hermal equilibrium when
12. The chemical process which takes plac attacks the metal in the presence of wa	ce on the surface of a metal whereby oxygen/air ter to form a metallic oxide is termed as
A. burning	
B. corrosion	
C. oxidation	
D. rusting	
removed is known as A. aeration B. cooling C. regulation D. ventilation) air is supplied to a space, while stale air is
14. The difference between a creeping and	an erect plant is that
	ound while an erect plant grows by twining
 B. a creeping plant grows along the grovertically upwards. 	ound horizontally while an erect plant grows
 C. A creeping plant grows vertically up ground horizontally 	owards while an erect plant grows along the
D. an erect plant grows along the groun around another plant	d while a creeping plant grows by twining
15. Which of the following prevents stainles	ss steel from rusting?
A. Aluminium	
B. Carbon	
C. Chromium	
D. Copper	
2. cspp	
16. Rusting is an oxidation process whereby	iron reacts with in the
presence of water to form hydrated iron (
17. Brass is an alloy made up of	and
18. A teacher tailored his/her teaching to med teacher has employed	

called	of the
The root system of the plant deve embryonic plant and it consists o	elops from the
	SECTION B
Answer only three	(3) questions from this section
All questions	carry equal marks of 10
 a) Compare 3 physical propermetals. 	erties and 2 chemical properties of metals and non- [5 Marks]
b) What is Adolescence?	[1Mark]
,	ss any four uses of good ventilation. [4 Marks
a) What are the four (4) cates the duration of their life?	gories that herbs may be classified into according to [4 Marks]
b) Differentiate between tempc) What is a psychosocial neo adolescent.	perature and heat. [2 Marks] ed? Explain three psychosocial needs of the early [4 Marks]
a) Differentiate between natu	ral ventilation and mechanical ventilation.
	[2 Marks]
b) Complete the following tab	ole 4 Marks
ALLOY	COMPOSITION
Steel	
Steel	
Stainless steel	

4.

- b) State two (2) different ways that animals may be classified according to their body covering.
- c) Explain the following term

[6 Marks]

- i. Conduction
- ii. Convection
- iii. Radiation

[2 Marks Each]

5.

- a) Explain each of the following root systems in plants with two examples each.
 - i. Fibrous root system
 - ii. Adventitious root system

[2 Marks Each]

b) Outline two (2) effects of rusting and two (2) ways of preventing rusting.

[4 Marks]

c) What are inclusive classrooms?

[2 Marks]