



## HERITAGE GLOBAL ACADEMY

2, Olaiya Close, Okiki Bus/stop, Off Isawo Road, Agric, Ikorodu, Lagos

### C.A. 1 SECOND TERM 2020/2021 SESSION

**SUBJECT: BASIC TECHNOLOGY**

**CLASS: JS 2 & 3**

**TIME: 45 MINUTES**

**INSTRUCTION: ANSWER ALL THE QUESTIONS IN SECTIONS A AND B**

#### **SECTION A**

**(OBJECTIVE TEST: CHOOSE THE CORRECT OPTION FROM [A-D] (5 MARKS))**

1. The area of a regular polygon is found by joining the ----- of the polygon to the center so as to form several triangles. A. edges. B. sides. C. vertices. D. angles
2. The area of the regular polygon is equal to the area of one of the triangles multiplied by the number of ----- A. sides. B. angles. C. vertices. D. none of the above.
3. The area of a triangle is one-half the product of ----- and -----? A. length and base. B. length and height. C. base and height. D. none of the above
4. The area of a ----- is the product of one side and the perpendicular distance between that side and the opposite side. A. parallelogram. B. triangle. C. square. D. cube
5. The ----- of a plane figure is the space occupied by that figure. A. area B. volumes. C. length D. mass
6. The unit of area is ----- . ? A. cubic centimeters. B. square centimeters. C. kilometers D. millimeters
7. Which of the following is not a quadrilateral? A. square. B. triangle C. sphere D. trapezium
8. What is the first procedure to be taken in constructing a triangle equal in area to a rectangle. A. Draw the rectangle ABCD B. Project line CD and mark off DE, using the distant equal to CD. C. Draw a horizontal line from point F to line BA parallel to BC D. locate point G anywhere on line EF.
9. An irregular polygon is one that has ----- sides. A. parallel. B. three C. unequal D. no
10. A trapezium is a quadrilateral with ----- pair of parallel sides. A. two. B. one. C. no D. three
11. The line joining two opposite corners of quadrilateral is known as ----- A. rhombus. B. diagonal. C. radius D. vertex
12. The sum of angles in a triangle is ----- A.  $90^0$  B.  $180^0$  C.  $270^0$  D.  $360^0$
13. When a triangle is inscribed in a circle, the three sides of the given triangle are ----- to the inscribed circle. A. tangential B. intersect C. overlapped D. equal
14. In an obtuse-angled triangle, one of its angles is more than -----? A.  $90^\circ$ . B.  $180^\circ$ . C.  $120^\circ$ . D.  $360^\circ$
15. A triangle which has two equal sides and angles is called ----- triangle? A. isosceles B. equilateral C. scalene D. right-angled
16. In a right-angled triangle, one angle equal to  $90^0$ . The side opposite the  $90^0$  is called ----- A. adjacent B. hypotenuse. C. opposite D. diagonal
17. The sum total of all the angles in a quadrilateral is ----- A.  $360^\circ$  B.  $180^0$  C.  $120^\circ$  D.  $90^\circ$
18. A triangle is a plane figure bounded by ----- straight lines. A. 1 B. 3 C. 5 D. 4
19. Triangles are described by the following except----- A. the lengths of their sides. B. the sizes of their angle. C. the area and volume. D. a combination of both lengths of sides and sizes of angles
20. A polygon with 5 sides is called----- A. hexagon. B. octagon. C. pentagon. D. triangle

**SECTION B**  
**(Answer all questions)**

1. What is triangle?
2. List and explain 5 types of triangle.
3. Name two polygons and the number of sides and angle.
4. What is a quadrilateral?
5. Outline two quadrilateral you know.