UNIVERSITY OF SWAZILAND

MAIN EXAMINATION PAPER 2018

TITLE OF PAPER   :   INTRODUCTORY ANIMAL PHYSIOLOGY

COURSE CODE   :   BIO262

TIME ALLOWED   :   THREE HOURS
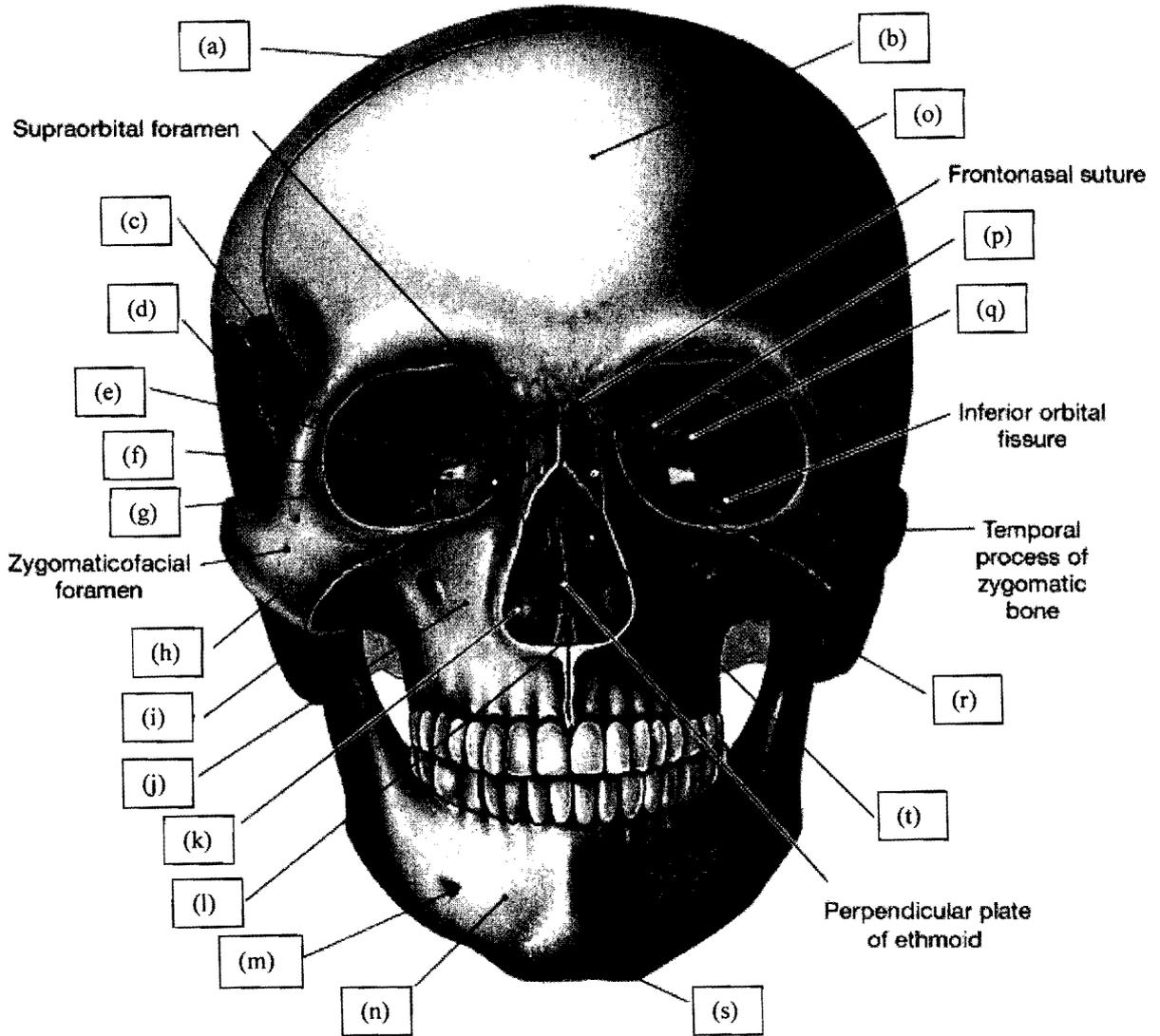

INSTRUCTIONS   :   1.   ANSWER QUESTION 1 AND ANY TWO (2) OTHER QUESTIONS
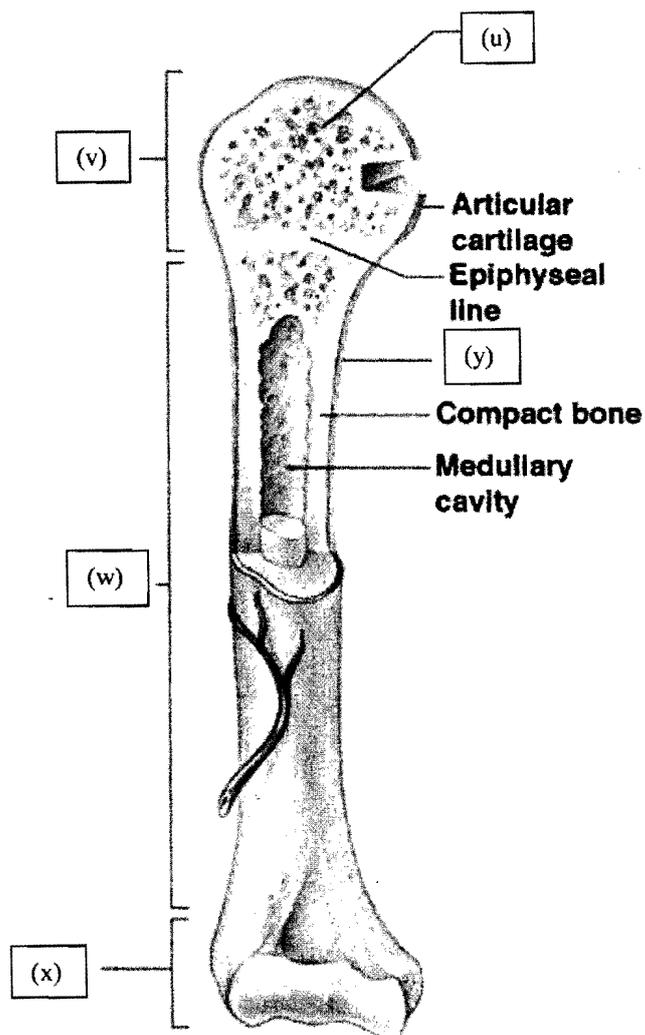   2.   WHEREVER POSSIBLE ILLUSTRATE YOUR ANSWERS WITH LARGE CLEARLY LABELLED DIAGRAMS

SPECIAL REQUIREMENTS: NONE.

THIS PAPER IS NOT TO BE OPENED UNTIL PERMISSION HAS BEEN

GRANTED BY THE INVIGILATORS

QUESTION 1.

Label the parts of the human skeletal system marked (a) to (y).

Supraorbital foramen

Frontonasal suture

Inferior orbital fissure

Temporal process of zygomatic bone

Zygomaticofacial foramen

Perpendicular plate of ethmoid

(a) (b) (o) (c) (d) (e) (f) (g) (h) (i) (j) (k) (l) (m) (n) (p) (q) (r) (t) (s)

(u)

(v)

Articular
cartilage

Epiphyseal
line

(y)

Compact bone

Medullary
cavity

(w)

(x)

[Total Marks = 50]

QUESTION 2.

(a) Draw a fully labelled sketch of the skin. (10 marks)

(b) Discuss the functions of the skin and explain how it performs these functions. (15 marks)

[Total Marks = 25]

QUESTION 3.

Discuss the different types of joints found in the human skeletal system. Make use of sketches and relevant examples. (25 Marks)

[Total Marks = 25]

QUESTION 4.

By making use of relevant examples, discus how muscles are named. (25 Marks)

[Total Marks = 25]