



EXAMINATIONS COUNCIL OF ESWATINI
Eswatini General Certificate of Secondary Education

BIOLOGY

6884/01

PAPER 1

October/November 2019

1 hour

Confidential

MARK SCHEME

{6884/01}

MARKS: 40

This document consists of **3** printed pages.

- 1 phylum + class;
Order + family;
Genus + species; [3]
- 2 $C_6H_{12}O_6$;
 O_2 ; [2]
- 3 relay neurone/grey matter;
motor neurone/effector muscle; [2]
- 4 salt;
fats; [2]
- 5 muscle contraction;
protein synthesis;
cell division;
active transport;
growth;
passage of nerve impulses;
maintenance of a constant body temperature; [max. 2]
- 6 adrenaline;
increases heartbeat rate/breathing rate/respiration in (skeletal) muscles;
more blood/glucose/oxygen to muscles; [max. 2]
- 7 C- plasma;
D- phagocyte; [2]
- 8 (a) auxin; [1]
(b) positive phototropism; [1]
- 9 (a) glucose re-absorbed;
some remain + person diabetic; [2]
(b) lower concentration/absence of urea in dialysis fluid (compared to blood);
urea diffuses from blood to dialysis fluid/high to low concentration; [2]
- 10 using tissues that match;
use of immune-suppressants; [2]

- 11 jointed legs;
segmented body; [2]
- 12 testa;
radicle; [2]
- 13 no gametes/one parent/offspring genetically identical to parent; [1]
- 14 natural selection; [1]
[1]
- 15 continuous variation; [1]
- 16 (either) X or Y; [1]
[1]
- 17
- | structure | changes |
|------------------------------|--------------------------------------|
| diaphragm | muscle contracts/ lowered/ flattens; |
| internal intercostal muscles | contracts; |
| thoracic cavity | increases; |
- [3]
- 18 eutrophication; [1]
- 19 proteins; [1]
- 20 no/ less photosynthesis + plants die;
no food/ energy for consumers/animals; [2]
- 21 ref to idea of conservation/less resource extraction;
reduces pollution/waste/landfill; [2]

[Total: 40]