

FORM 3

END TERM 3 2026

BIOLOGY PAPER 3 MARKING SCHEME

1 a)

Food	Procedure	Observation	Conclusion
Starch	To suspension M add iodine solution;	Brown colour observed;	Starch absent;
Proteins	Add 1% Sodium Hydroxide solution to suspension M followed by 10% Copper (II) Sulphate solution;	Purple colour observed;	Proteins present;
Ascorbic acid/Vitamin C	To the DCPIP solution add suspension M;	DCPIP not decolorized;	Vitamin C absent;

b) Contains proteins; required for growth;

c) (i) Urea;

(ii) Deamination of excess amino acids in the liver;

d) Pepsin; Trypsin;

2. a)

Specimen	Steps	Identity
A	1a, 2a	House fly;
B	1b, 3b 4a	Spider;
C	1a, 2b	Dragonfly;
D	1b, 3b, 4b, 5a, 6a	Water skater;
F	1b, 3b, 4b, 5b, 7b	Centipede;
G	1b, 3b, 4b, 5b, 7a	Millipede;
H	1b, 3a	Ant;

b) Arthropoda;

c) Chilopoda;

d) One pair of legs per segment;

3. a) i) Savannah grassland;

ii) Temperature

Rainfall

Humidity

Light

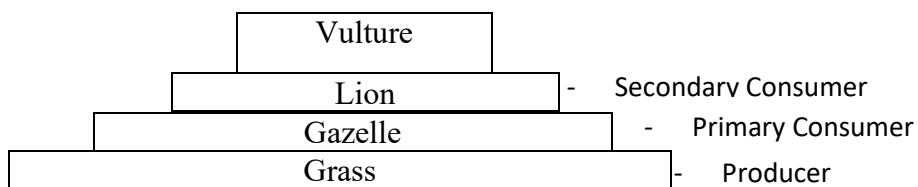
Mark the first three (3 marks)

b) i) Grass → Gazelle → Lion → Vulture; (1 mark)

ii) Gazelle – primary consumer; (1 mark)

Grass- Producer; (1 mark)

c)



NB: (Width must be equal) 3 marks

d) Predation; 1 mark

e) Sharp (and curved) beak; for tearing flesh;

Sharp and curved talons; for holding and tearing prey; (4 marks)

NB: Feature tied to function

