

SECTION A: ANSWER KEY

Q. No.	a	b	c	d	Q. No.	a	b	c	d
1.		✓			12.			✓	
2.		✓			13.			✓	
3.			✓		14.		✓		
4.				✓	15.				✓
5.	✓				16.			✓*	✓
6.	✓				17.		✓		
7.		✓			18.		✓		
8.			✓		19.		✓		
9.		✓			20.		✓		
10.				✓	21.			✓	
11.		✓							

*For Question number 16, students marking either option 'c' or 'd' have been given points.

SECTION B: ANSWER KEY**CELL BIOLOGY (13 points)**

22. (2 points)

a. T b. F c. F d. F

23. (2 points)

a. F b. T c. T d. F

24. (2.5 points)

Statement	True	False
a.	✓	
b.	✓	
c.		✓
d.		✓
e.		✓

25. (2.5 points)

a. __T__

b. __F__

c. __F__

d. __T__

e. __T__

26. (1.5 points)

a. __F__

b. __T__

c. __F__

27. (2.5 points)

a. __F__

b. __T__

c. __F__

d. __F__

e. __T__

PLANT SCIENCES (8 points)

28. (2 points)

a.	b.	c.	d.
✓			

29. (2 points)

a. ___F___

b. ___T___

c. ___T___

d. ___F___

30. (2 points)

a. ___F___

b. ___T___

c. ___T___

d. ___F___

31. (2 points)

- I. ___D___ is a phycobilin pigment which gives cyanobacteria its characteristic blue-green colour.
- II. ___C___ is the major pigment found in eukaryotic plants growing in deep marine waters.
- III. ___A___ and ___E___ are the dominant photosynthetic pigments found in Pteridophytes.

ANIMAL SCIENCES (19.5 points)

32. (2 points)

a. ___F___

b. ___T___

c. ___T___

d. ___T___

33. (4 points)

Compound	As AED effective (✓)/ not effective (X)	Mechanism/s
A	✓	iii, vi, vii
B	✓	i, v, vii
C	X	ii, iv
D	✓	i, v, vii

34. (2 points)

	Parasympathetic (P) or Sympathetic (S)
i. Increase peristalsis in Gastro intestinal tract	P
ii. Constriction of bronchi in lungs	P
iii. Dilation of pupil	S
iv. Inhibition of contraction of urinary bladder	S

35. (3 points)

a. ___T___

b. ___F___

c. ___T___

d. ___T___

e. ___T___

f. ___T___

36. (2 points)

Answer: _____ 56.1 _____ kcal

37. (2.5 points)

a. ___T___

b. ___T___

c. ___T___

d. ___F___

e. ___F___

38. (4 points)

Answer:

A: ___a___ B: ___c___ C: ___d___ D: ___e___

GENETICS & EVOLUTION (14.5 points)

39. (2 points)

i. Answer: _____ 1/64 _____

ii. Answer: _____ 67/256 _____

40. (2 points)

a. 47.5% DPh, 47.5% dph, 2.5% Dph, 2.5% dPh

b. 23.75% of each dPH, dPh, DpH, Dph

1.25% each of DPH, DPh, dpH, dph

41. (A) (2 points)

a. ___T___

b. ___F___

c. . ___F___

d. ___T___

(B) (2 points)

a.	b.	c.	d.
			✓

42. (2 points)

a. ___T___

b. ___F___

c. ___T___

d. ___T___

e. ___-___

43. (A) (2 points)

a. ___T___

b. ___T___

c. ___F___

d. ___F___

(B) (2.5 points)

- a. ___T___
- b. ___F___
- c. ___T___
- d. ___T___
- e. ___T___

ETHOLOGY (7 points)

44. (2.5 points)

- a. ___F___
- b. ___F___
- c. ___T___
- d. ___F___
- e. ___T___.

45. (2 points)

- a. ___T___
- b. ___F___
- c. ___F___
- d. ___F___

46. (2.5 points)

- a. ___T___
- b. ___F___
- c. ___F___

d. ___T___

e. ___F___

ECOLOGY (12 points)

47. (2 points)

a. ___T___

b. ___F___

c. ___T___

d. ___T___

48. (2 points)

a. ___F___

b. ___F___

c. ___T___

d. ___F___

49. (2 points)

a. ___T___

b. ___T___

c. ___T___

d. ___F___

50. (3 points)

a.	b.	c.	d.
			✓

51. (3 points)

a. ___F__

b. ___T__

c. ___T__

d. ___T__

e. ___T__

f. ___F__

BIOSYSTEMATICS (5 points)

52. (2 points)

a. ___F__

b. ___F__

c. ___T__

d. ___F__

53. (3 points)

i. ___c__

ii. ___d__

iii. ___e__

iv. ___a__

v. ___b__

vi. ___h__

***** END OF SECTION B *****