



BIOLOGY ANSWER KEY

Q . NO:	ANSWER KEY(HINTS)	SCORE
1	CYTOSINE	1
2	REFLEX ACTION	1
3	AXON	1
4	TREATMENT OF GENETIC DISEASES	1
5	CRETINISM RELATED TO SOMATOTROPIN	1/2 1/2
6	VESTIBULE SEMICIRCULAR CANALS	1/2 1/2
7	THYMUS	1
8	46	1
9	GENE MAPPING	1
10	a) A+ b)A+ A-	1 1/2 1/2
11	a) ALLELES b)MELANIN	1 1
12	ANY TWO USES	1+1
13	a)MYCOBACTERIUM TUBERCULOSIS b)ANY TWO SYMPTOMS c)B C G	1 1/2+1/2 1
14	PHAGOCYTOSIS WRITE FOUR STEPS IN CORRECT ORDER	1 1/2+1/2+1/2+1/2=2
15	a)FEMALE SILK WORM MOTH b)CIVETON c)MUSK DEER	1 1 1
16	SUBSTANCES DISSOLVE IN SALIVA STIMULATE CHEMORECEPTORS IMPULSE NERVE BRAIN EXPERIENCE TASTE	1/2 1/2 1/2 1/2 1/2 1/2 TOTAL:3
17	1 SCORE FOR EACH CORRECT PAIR	1+1+1=3

18	a)PRODUCTION OF INSULIN THROUGH GENETIC ENGINEERING b)CUTTING OF INSULIN GENE ISOLATION OF PLASMID JOINING INSULIN GENE INSERTING PLASMID INACTIVE INSULIN ACTIVE INSULIN	1 1/2 1/2 1/2 1/2 1/2 1/2 TOTAL:4
19	a) A; THALAMUS B; MEDULLA OBLONGATA C;CEREBRUM D;CEREBELLUM b)ONE FUNCTION EACH	1/2 1/2 1/2 1/2 1+1=2 TOTAL:4
20	a)THREE CORRECT STEPS b)tRNA,rRNA	1+1+1 1/2+1/2 TOTAL:4
21	a)FILARIAL WORM b)CULEX MOSQUITO c)ANY TWO PRECAUTIONS	1 1 1+1 TOTAL:4
22	HEADINGS 1/2 SCORE FOR EACH CORRECT FUNCTION	1/2+1/2 1/2*6=3 TOTAL:4
23	DRAWING a)RETINA b)IRIS c)OPTIC NERVE d)CORNEA	1 1 1 1 1 TOTAL:5
24	a)1 SCORE FOR EACH PROCESS b)A:INSULIN C:GLUCAGON c)70-110 mg/100ml d)CALCITONIN,PARATHORMONE	1+1 1/2 1/2 1 1/2+1/2 TOTAL:5



