

SSC Bio-II
(HA)

23/5/22

RUBRIC: SSC-II 1st ANNUAL EXAMINATION 2022
SUBJECT: BIOLOGY-II (HA)

Q.# /Part #	Rubric Name	Rubric Type 1 (Marks)	Rubric Type 2 (Marks)	Rubric Type 3 (Marks)	Rubric Type 4 (Marks)	Rubric Type 5 (Marks)
2(i)	Differences	Two correct differences (3)	One correct difference (2)	Some relevant information (1)	Wrong Answer (0)	
2(ii)	a. Identification	Correct (1)	Incorrect (0)			
	b. Characteristics	Two Characteristics (2)	One Characteristics (1)	Wrong Answer (0)		
2(iii)	The process of pressure filtration	Correct location of process, reason & product formed (3)	Correct mentioning of any two aspects (2)	Correct mentioning of any one aspect (1)	Wrong Answer (0)	
2(iv)	a. Calcitonin	Correct name (1)	Incorrect (0)			
	b. Epinephrine	Correct name (1)	Incorrect (0)			
	c. Insulin	Correct name (1)	Incorrect (0)			
2(v)	a. Identification (Labelling)	Both correct Labels (A=dendrite, B=axon/node) (1)	One correct Label (0.5)	Wrong Answer (0)		
	b. Labelling + Function	Labeling (C=Myelin sheath/Schwann Cell/Axon) + relevant function (2)	Only Labeling or Functioning (1)	Wrong Answer (0)		
2(vi)	Formation of male gametophyte	Pollination, Formation of Pollen Tube, Formation of Sperms (3)	Correct mentioning of any two aspects (2)	Correct mentioning of any one aspect (1)	Wrong Answer (0)	
2(vii)	Flow of energy in an ecosystem	Flow of energy from sun to producers to consumers to decomposers (through flow sheet or description) (3)	Correct mentioning of any two steps of flow of energy (through flow sheet or description) (2)	Correct mentioning of any one step of flow of energy (through flow sheet or description) (1)	Wrong Answer (0)	
2(viii)	Labeling	Correct labeling (A=seed coat, B=Plumule/Radicle/ Embryo) (1)	Any One correct labeling (0.5)	Wrong Answer (0)		
	Function	Correct functions of both A & B (2)	Any One correct function (1)	Wrong Answer (0)		
2(ix)	a. Phenotype	Correct Definition (1.5)	Partially Correct Definition (1)	Some relevant information like only example etc (0.5)	Wrong Answer (0)	
	b. Homozygous	Correct Definition (1.5)	Partially Correct Definition (1)	Some relevant information like only example etc (0.5)	Wrong Answer (0)	

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Q.# /Part #	Rubric Name	Rubric Type 1 (Marks)	Rubric Type 2 (Marks)	Rubric Type 3 (Marks)	Rubric Type 4 (Marks)	Rubric Type 5 (Marks)	
2(x)	Drugs obtained from plants/fungi	Correct mentioning of any three drugs (3)	Correct mentioning of any two drugs (2)	Correct mentioning of any one drug (1)	Wrong Answer (0)		
2(xi)	Differences	Correct difference of both (3)	Partially Correct difference of both (2)	Some relevant information (1)	Wrong answer (0)		
2(xii)	Name of type of variation	Correct name (1)	Incorrect (0)				
	Detail with example	Correct description with example (2)	Either correct description or example (1)	Wrong Answer (0)			
2(xiii)	Isolation of gene of interest	Correct answer i.e. mentioning use of restriction endonuclease (1)	Partially correct (0.5)	Wrong Answer (0)			
	Formation of recombinant DNA	Correct description of recombinant DNA formation i.e. mentioning use of ligase and vector (2)	Partially correct description of recombinant DNA formation i.e. mentioning use either of ligase or vector (1)	Wrong Answer (0)			
2(xiv)	Description of food web	Correctly interlinked three food chains drawn with description (3)	Correctly interlinked two food chains drawn with description or only interlinked three food chains drawn without description (2)	Either Correctly interlinked two food chains drawn or only description (1)	Wrong Answer (0)		
2(xv)	Function of joint	Correct answer (1)	Partially correct (0.5)	Wrong Answer (0)			
	Difference	One correct Difference + One correct example of each (2)	One correct Difference or One correct example of each (1)	Any one relevant example of joint (0.5)	Wrong Answer (0)		
3(a)	Identification of inhalation/inspiration and exhalation/expiration	Correct identification of the two (2)	Correct identification of any one (1)	Incorrect (0)			
	Explanation of inhalation/inspiration	Explaining at least four correct features of stages of inhalation (2)	Explaining at least two correct features of stages of inhalation (1)	Explaining any one correct feature of stages of inhalation (0.5)	wrong answer(0)		
	Explanation of exhalation/expiration	Explaining at least four correct features of stages of exhalation	Explaining at least two correct features of stages of	Explaining anyone correct feature of	wrong answer(0)		

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		(2)	exhalation (1)	stages of exhalation (0.5)			
3(b)	Osmoregulation during excess water in body fluid	Complete and correct description (2)	Partially correct description (1)	Wrong Answer (0)			
	Osmoregulation during shortage of water in body fluid	Complete and correct description (2)	Partially correct description (1)	Wrong Answer (0)			
4(a)	Female reproductive system of rabbit	Explanation of at least four parts (4)	Explanation of at least any three parts (3)	Explanation of at least any two parts (2)	Explanation of at least any one part or only names of three/four parts (1)	Only names of one or two parts (0.5)	Wrong Answer (0)
	Diagram	Correct diagram (1)	Partially correct diagram (0.5)	Wrong Answer (0)			
4(b)	Formation of SCP	Correct answer (2)	Partially correct (1)	Wrong Answer (0)			
	Significance of SCP	At least three correct points (3)	At least two correct points (2)	At least one correct point (1)	Wrong Answer (0)		
5(a)	Monohybrid cross / law of segregation	Correct description or statement of law of segregation with any one example (2)	Partially correct description or statement of law of segregation/any one example (1)	Only statement of law of segregation. (0.5)	Wrong Answer (0)		
	Punnett square/ monohybrid cross	Correctly drawn F ₁ and F ₂ generations with labeling and ratios (3)	Correctly drawn with either of labeling or ratios (2)	Incompletely drawn (1)	Wrong Answer (0)		
5(b)	Formation of acid rain	Correct description of formation of acid rain (2)	Partially correct description of formation of acid rain (1)	Wrong Answer (0)			
	Effects of acid rain	At least three correct effects (3)	At least two correct effects (2)	At least one correct effect (1)	Wrong Answer (0)		

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