

Name of Student	Class	Subject	Board	Chapter
	$10^{\rm th}$	Biology	(F.B)	01
Date :	 	Object	ive	Teacher Remarks

i	Lenticels are prese	ent o	n :									
а	Leaves	b	b Mature roots c Flower				Bud					
ii	The world No Tobacco Day is celebrated on theevery year.											
а	31 st of June	b	31 st of May	С	31st of July	d	31 st of August					
iii	The process of gas	of gaseous exchange involves:										
а	Breakdown of	b	Physical	С	Getting oxygen	d	Transport of					
	C-H bonds to		movements that		from the air and		oxygen by the					
	yield energy		take air in and		removing carbon		blood to					
			out of body		dioxide		different parts of					
							the body					
iv	V How many bronchi are there in the air passage way?											
а	One	b	Two	С	Many	d	None					
v	Which structure actively helps in taking the air out of lungs?											
а	Nasal activity	b	Bronchus	С	Bronchiole	d	Diaphragm					
vi	The primary chemical stimulus for breathing is the concentration of:											
а	Carbon dioxide	b	Oxygen in blood	С	Carbon dioxide	d	Oxygen in					
	in blood				in muscles		muscles					
vii	What type of bloo	d ve	ssels surround the a	alvec	oli ?							
а	Artery	b	Arteriole	С	Capillary	d	Vein					
viii	A disease involving	g the	breakdown of air s	sacs	of the lungs is:							
а	Pneumonia	b	Bronchitis	С	Asthma	d	Emphysema					
ix	Which process doe	es no	t occur in the nasal	cavi	ity?							
а	Trapping of large	b	Humidification	С	Warming of the	d	Exchange of					
	dust particles		of the inhaled		inhaled air		gases					
			air									
х	A disease involving	g the	destruction of the	wall	s of the alveoli is:							
а	Emphysema	b	Asthma	С	Pneumonia	d	Bronchitis					
хi	The majority if pe	ople	diagnosed with ch	roni	c bronchitis are	_yea	rs of age or older					
а	20 years	b	25 years	С	30 years	d	45 years					
xii	The chemicals with	h abi	lity to dilate the bro	onch	i and bronchioles a	re us	ed in the					
	treatment of:											
а	Pneumonia	b	Stomach disease	С	Asthma	d	Heart disease					



Name of Student	Class	Subject	Board	Chapter
	10^{th}	Biology	(F.B)	01
Date :	i ! J	Subjec	etive	Teacher Remarks

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. Define cellular respiration?
- ii. Define Pharynx?
- iii. What is trachea?
- iv. Write the comparison between the inspired and expired air?
- v. What is pneumonia?
- vi. Define breathing?
- vii. Define stomata?
- viii. Define lenticels?
- ix. What is inspiration or inhalation?
- x. What is expiration and exhalation?
- xi. What is bronchitis?
- xii. What are the symptoms of asthma?
- xiii. What is lung cancer?
- xiv. What are the bed effects of smoking?
- xv. How to prevent lung cancer?

Section - C

Note: Attempt any two questions. All question carry equal marks.

- Q. No.3:- Write a detailed note on Air-Passage way in humans?
- Q. No.4:- Explain the respiratory disorders in detail?
- Q. No.5:- Explain the mechanism of breathing detail?

Best of Luck





Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	02
Date :		Objecti	ive	Teacher Remarks

Section - A

i	Which would not l	be pr	esent in the filtrate	ent	ering the bowman's	сар	sule of Nephron?				
а	Water	b	Calcium ions	С	Blood cells	d	Urea				
ii	Dialyzer is used in										
а	haemodialysis	b	Kidney	С	Heart surgery	d	Peritoneal				
			transplant				dialysis				
iii	Lithotripsy is the method of removal of :										
а	Kidney	b	Heart	С	Kidney stones	d	Blocked arteries				
iv	What waste produ	ıcts a	re excreted by kidr	iey?							
а	Urea and salts	b	Urea and water	С	Urea water and	d	Salts , water and				
					salts		CO ₂				
V	Homeostasis in hu	man	s are performed by								
а	Lungs, kidney	b	Kidney , heart	С	Lungs. Kidney,	d	Lungs , kidney,				
	heart skin										
vi	live in sea water and adapted to salty environment .										
а	Hydrophytes	b	Halophytes	С	Xerophytes	d	None of these				
vii	The appearance of	fdro	ps of water on the	tips	or edges of leaves is	call	ed				
а	Transpiration	b	Gutation	С	Water vapours	d	Vacuole				
viii	In normal chemica	l cor	nposition of urine _		potassiu	m io	ns are resent				
а	0.650g/l	b	0.850g/l	С	0.750g/l	d	0.550g/l				
ix		_is a	cup –shaped struct	ure	that encloses glome	erulu	S				
а	Bowman's	b	Medulla	С	Renal capsule	d	Cortex capsule				
х	The human urinar	y sys	tem consists of								
а	Rectum , lings.	b	Kidneys, ureters,	С	Skin. Liver, lungs,	d	Kidneys, ureters,				
	Kidneys, ureters		urinary bladder		kidneys		urinary nladders				
хi	Body balance of w	ater,	salts, temperature	e and	gucose is termed a	as					
а	Excretion	b	Tubular	С	Homeostasis	d	Re-absorption				
			secretion								
xii	The tube between	kidr	ney and urinary bla	dde	r is the						
а	Ureter	b	Urethra	С	Renal tubule	d	Nephron				

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	02
Date :	1 1	Subjec		Teacher Remarks

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. Define homeostasis?
- ii. Define osmoregulation?
- iii. Write a note on removal of extra carbon dioxide and water in plants?
- iv. Define thermo regulation?
- v. What is guttation?
- vi. Define excretion?
- vii. How the removal of other metabolic wastes occurs in plants?
- viii. What does metabolic waste means?
- ix. Define transpiration?
- x. What are hydrophytes?
- xi. Write a note on xerophytes?
- xii. What is lithotripsy?
- xiii. Write down main organs which work for homeostasis is human?
- xiv. Write down normal chemical composition of urine?

Section - C

Note: Attempt any two questions. All question carry equal marks.

- Q. No.3:- Write a detail note on structure of kidney?
- Q. No.4:- Explain in detail the osmoregulatory function of kidney?
- Q. No.5:- Discuss kidney (renal) failure in detail?

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	03
Date :	1 1 1	Object	tive	Teacher Remarks

Q. No.1:- Circle the correct option. Each part carries one mark.

i	Ali Ibn Isa was famous Arab Scientist. He wrote three books on										
а	Surgery	b	Cardiology	С	Ophthalmology	d	Rheumatology				
ii	increases the rate of re absorption of water from nephrons.										
а	Oxytocin	b	TSH	С	Varopressin	d	ADH				
iii	Testes secretes hormone :										
а	Testosterone	b	Testothyroxin	С	Progesterone	d	Both a and b				
iv	All of these are ho	rmo	nes except :								
а	Insulin	b	Glucagon	С	Thyroxin	d	Pepsinogen				
V	Myopia is		sightedness:								
а	Long	b	Both long and	С	Near	d	Short				
<u> </u>			short								
vi	Ventral root conta			_neu	rons :						
а	Motor	b	Mixed	С	Sensory	d	None				
vii	The portion of the nervous system that is involuntary in action :										
а	Somatic nervous	b	Motor nervous	С	Automatic	d	Sensory nervous				
	system		system		nervous system		system				
viii	The part of the bra	ain re	esponsible for musc	le m	ovement , interpre	tatio	n of the senses				
	and the memory is	s the	:								
а	Pons	b	Medulla	С	Cerebrum	d	Cerebellum				
			oblongata								
ix	This is not the par	t of t	he hind brain?								
а	Pones	b	Medulla	С	Cerebrum	d	Cerebellum				
			oblongata								
X			re produced in the	:							
а	Hypothalamus	b		С	Liver	d	Pancreas				
<u></u>		L	pituitary			<u> </u>					
xi			nal nerves arise ald	_							
a	21	b	31	С	51	d	41				
xii	Sclera gives eyes n			lour			_				
а	Grey	b	Off white	С	White	d	Black				
			Best o	∖f't	11672						

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	03
Date :		Subjec	tive	Teacher Remarks

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. Write short note on paralysis?
- ii. Write down the two types of coordination in organisms?
- iii. What is the difference between hypothyroidism and hyperthyroidism?
- iv. What are the types of neurons?
- v. Define hormones?
- vi. What is nerve? Also discuss its types?
- vii. Define cochlea?
- viii. Define cerebrum?
- ix. Define deafness?
- x. What is thalamus?
- xi. Write short note on process of hearing?
- xii. What are the main function of spiral cord?
- xiii. What are disorders of the eye?
- xiv. What is aqueous humour?
- xv. What is vitreous humour?

Section - C

Note: Attempt any two questions. All question carry equal marks.

- Q. No.3:- Write a detailed note on eye?
- Q. No.4:- Explain ear in detail?
- Q. No.5:- Explain important endocrine glands in detail.



Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	04
Date :		Objectiv	ve	Teacher Remarks

Section - A

i	What is correct ab	out t	endons?						
а	Tendons are	b	Tendons are	С	Tendons are	d	Tendons are		
	flexible and they		non-elastic and		non-elastic and		flexible and the		
	join muscles		the join bones		they join		join muscles		
	with bones		with bones		muscles with		with muscles		
					bones				
ii	All of these are the parts of axial skeleton of human except .								
а	Ribs	b	Sternum	С	Shoulder girdle	d	Vertebral column		
iii	What do some box	nes p	roduce ?	-		-			
а	Mucous	b	Hormones	С	Oxygen	d	Blood cells		
iv	Find the incorrect	state	ement :						
а	Bone is where	b	Bone serves as a	С	Bone is a dry and	d	Bone protects		
	most blood cells		store house for		non-living		and supports the		
	are made		various minerals		supporting		body and its		
					structure		organs		
V	How many bones make our skull ?								
а	26	b	22	C	24	d	14		
vi	Cartilage is								
а	Stronger then	b	Less stronger	С	Same as bone	d	None of above		
	bone		than bone						
vii	In vertebral colum	n of	vertebrates it conta	ains _	bones.				
а	22	b	44	C	55	d	33		
viii	Which point of att	achn	nent is pulled when	a m	uscle contracts?				
а	Triceps	b	Biceps	С	Extension	d	Insertion		
ix	do not en	ters	cartilage						
а	Blood vessels	b	Bone	С	Fluid	d	None of above		
х	The hard outer lay	er of	a bone is called						
а	Spongy bone	b	Compact bone	С	Bothe a and b	d	None of above		
хi	cranial bo	nes	are present in skull						
а	8	b	6	С	14	d	22		
xii	Appendicle skeleto	on is	made up of	_bo	nes				

а	126	b	129	С	136	d	139
1 -				_		<u> </u>	

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	04
Date :	1	Subjec	Teacher Remarks	

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. Define movement? Write names of the types of movement?
- ii. Draw tendons and ligaments?
- iii. What is the difference between endoskeleton and exoskeleton?
- iv. Name the longest and smallest bone in human body?
- v. Differentiate between cartilage and bone?
- vi. Write down the function of estrogen?
- vii. Describe the disorders of skeletal system?
- viii. Write down the causes of Osteoprosis?
- ix. What is the role of skeleton in support and movement?
- x. A aquatic animals need lass skeletal supports than land animals of similar size propose an explanation for this fact?
- xi. Write a short note on elastic cartilage?
- xii. What do you know about muscles and their movement?
- xiii. What is the difference between compact bone and spongy bone?
- xiv. What is the difference between compact bone and spongy bone?
- xv. Write a short note on elastic cartilage?

Section - C

Note: Attempt any two questions. All question carry equal marks.

- Q. No.3:- Describe the types of joints and give examples .
- Q. No.4:- Explain antagonism in muscles action selecting biceps and triceps as examples .
- Q. No.5:- Define cartilage? Also describe its types in detail?



Name of Student	Class	Subject	Board	Chapter
	10th	Biology	(F.B)	05
Date :		Object	ive	Teacher Remarks

Section - A

i	Rhizopus reproduces asexually by												
а	Spore formation	b	Binary fission	С	Budding	d	Endospore						
							formation						
ii	ii Acrom develops into new garlic plant. This is the process of												
а	Vegetative	b	Gameto genesis	С	Regeneration	d	Meiosis						
	propagation												
iii	UNFPA began operations in												
а	1959	b	1979	С	1989	d	1969						
iv	Onion is a type of	ten											
а	tuber	b	bulb	С	rhizome	d	none						
V	Pollination is the t	rans	fer of pollens from										
а	Anther to stigma	b	Sepal to petal	С	Petal to sepal	d	Stigma to anther						
vi	After fertilization in plants thefruits develops from.												
а	Ovule wall	b	Ovary wall	С	Petals	d	Anther						
vii	Inside testis, the s	perm	ns produce in										
а	Vasdeferens	b	Sperm duct	С	Seminiferous	d	Collecting ducts						
					tubules								
viii	is essential	for t	the respiration in th	ie ce	ll of embryo.								
а	Nitrogen	b	Water	С	Oxygen	d	Carbon						
ix	Which part of fem	ale r	eproduction systen	n rec	eive egg cells from	the c	ovary.						
а	Vterus	b	Vagina	С	Fallopian tube	d	Cervix						
х	Tulip, onion and li	lies r	eproduce by										
а	Rhizome	b	Bulbs	С	Corns	d	Both a and c						
хi	Mint and chrysant	hem	um reproduce by										
а	Stem tubers	b	Dry leaves	С	Suckers	d	Rhizome						
xii	Clostridium and ba	acillu	s species are repro	duce	e by								
а	Budding	b	Fragmentation	С	Spore formation	d	Binary fission						





Name of Student	Class	Subject	Board	Chapter
	10^{th}	Biology	(F.B)	05
Date :		Subject	Teacher Remarks	

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. What is parthenocarpy?
- ii. Define reproduction? What are its type?
- iii. Diagrammatically show gametogenesis in animals?
- iv. Describe fission in a bacterium and in an amoeba by the help of a diagram?
- v. What is dormancy?
- vi. What is fragmentation?
- vii. Define epicotyls and hypocotyls?
- viii. How are the natural and artificial vegetative propagation the methods of asexual reproduction in plants .
 - ix. Draw the structure of a dicot seed?
 - x. "Parthenogenesis" is a type of asexual reproduction . Give comments on this statement.
- xi. What conditions are necessary for the germination of seeds .
- xii. Enlist the method of asexual reproduction.
- xiii. Differentiate between self and cross pollination.
- xiv. Differentiate between epigeal and hypogeal germination?

Section - C

Note: Attempt any two questions. All question carry equal marks.

- Q. No.3:- What are the different ways by which prokaryotes , protozoan's and fungi reproduce asexually.
- Q. No.4: Write down development and structure of seed in detail?
- Q.No.5:- Explain in detail sexual reproduction in flowering plants.

Best of Luck



Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	06
Date :		Objec	Teacher Remarks	

i	_is the branch of biology that deals with inheritance											
а	Physiology	b	Genetics	С	Microbiology	d	Developmental biology					
ii	Chromosomes are	mac	le up of thread like	mat	erial called							
а	Centrosome	b	Chromatin	С	Chromatid	d	Centrioles					
iii	Unit of inheritance	e is c	alled									
а	Genes	b	DNA	C	Nucleus	d	Chromosomes					
iv	An organisms expressed physical trait, such as seed colour or pod shape is called											
a	Phenotype	b	karyotype	С	Genotype	d	Physical type					
V	Mendel used		pen plants in his	ехре	eriment.							
а	27000	b	26000	С	28000	d	29000					
vi	What is the domin	ance	relationship betw	een l	blood group alleles	I ^A an	d I ^A ?					
а	Recessive	b	Co-dominance	С	Dominant over	d	Incomplete					
							dominance					
vii	James Watson and	Fra	ncis crick present D	NA r	nodel in							
a	1958	b	1953	С	1968	d	1963					
viii	Position of genes of	on ch	romosomes are ca	lled _								
а	Loci	b	Chromatid	С	Chromatin	d	Centromere					
ix	Genepair contains	ider	tical alleles is calle	d								
а	Heterozygous	b	Homozygous	С	Both a and b	d	None of above					
	genotype		genotype									
Х	The term " true br	eedi	ng" means .									
а	Monohybrid	b	Genotype	С	Homozygous	d	Phenotype					
хi	The allele I which	does	not produce any a	ntig	en and the phenoty	pe is	blood group O.					
а	I ^A	b	l ^B	С	ı	d	None of above					
xii	A purple – flowere	d pe	a plant has the gen	otyp	e pp. Which of the	follo	wing statement					
	is wrong											
а	Its phenotype	b	It has a	С	When bred to	d	All the gametes					
	will be white		homozygous		white flowered		produced will					
	flowers		dominat		plant all		have the same					
			genotype		offspring will be		flower colour					
					purple flowered		allele.					



Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	06
Date :		Subjec	Teacher Remarks	

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. By the help of diagram show DNA replication.
- ii. Define genotype and phenotype?
- iii. Differentiate between natural and artificial selection?
- iv. Explain briefly Watson-crick model of DNA?
- v. Why Mendel selected pea plant for his experiments and how/ why he succeeded in his work?
- vi. Write a note on structure of DNA.
- vii. What do you mean albinism and albino? How pigment will produce?
- viii. Define the following. Genetics, Traits, Genes.
- ix. Diagrammatically show central dogma.
- x. Draw punned square of Mendel's Law of Independent Assortment?
- xi. Which type of animals are selected for breeding?
- xii. State Mendel's law of independent assortment?
- xiii. What are breeds and cultivars?
- xiv. State Mendel's argue for genetic experiments

Section - C

- Q. No.3:- Describe Mendel's law of segregation.
- Q. No.4:- Explain the phenomenon of incomplete dominance with the help of example?
- Q. No.5:- (a) What are the main sources of variation is sexually reproducing populations?
 - (b) What are the two major processes of organic evolution?



Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	07
Date :		Objectiv	Teacher Remarks	

i	The total amount of living or organic matter in an ecosystem at any time is called:											
а	Community	b	Biomass	С	Environment	d	Biosphere					
ii	Organisms in the ecosystem that are responsible for the recycling of plant and animal											
	wastes are											
а	Producers	b	Consumers	С	Decomposers	d	Competitors					
iii	A food chain is represented as :											
	Producer →primary consumer → secondary consumer→?											
а	Omnivores	b	Producers	С	Tertiary	d	Consumers					
					consumers							
iv	dvel		d the concept of ed	olog								
a	Watson	b	Crick	С	E.Chatton	d	Charles Elton					
v	Choose the correct	seq	uence:									
a	Grass →	b	Grasshopper →	С	Hawk	d	Grass→					
	Grasshopper→		Sparrow →Grass		→Grass→Grassho _l		Grasshopper →					
	Sparrow → Hawk		→ Hawk				Hawk →sparrow					
vi	Biosphere ranges from the floor of oceans to the tops of the highest mountains is about											
	km t	<u> </u>	•									
a	80kms	b	20kms	С	180kms	d	120kms					
vii			organisms which ca	n int	ter breed freely in na	ture	to Produce					
	off sprir	ngs										
а	Mature	b	Immature	С	Infertile	d	Fertile					
viii	The study of interr	elati	onship between m	an a	and their environmen	t is	called					
a	Genetics	b	Behavioural	С	Ecology	d	Environmental					
			biology				biology					
ix	When we eat onio	ns, c	ur trophic level is									
a	Primary	b	Producer	С	Secondary	d	Decomposer					
	consumer				consumer							
X	In food chain " gra	ss→	rabbit →fox→bear	\rightarrow n	nushroom "how man	y ty _l	pes of					
	decomposers are p	rese	ent:									
a	1	b	2	С	3	d	4					
хi	InUnit	ed r	nations established	inte	rgovernmental pane	l on	climate change					
a	1990	b	1890	С	1980	d	1880					
xii	The average global	ten	perature will go u	o by	3°C to 8° C in next		years					
а	20years	b	40years	С	60years	d	100 years					

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	07
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Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. Define pollutants?
- ii. Define the following.
 - Population, Community, ecosystem
- iii. What are the different stages of Nitrogen cycle? Name them.
- iv. What do you know about biosphere?
- v. Write a note on Green House effect?
- vi. Name biotic and A-biotic components of ecosystem?
- vii. How can we control land pollution?
- viii. Name any three tertiary consumers?
- ix. What are the 3 causes of land pollution?
- x. How energy flow in an ecosystem? Show by flow chart.
- xi. Describe significant effects of acid rain.
- xii. Define food chain and food web.
- xiii. Write a note on global warming.
- xiv. Define / describe biogeochemical cycles.

Section - C

- Q. No.3:- Write a short note on carbon cycle.
- Q. No.4:-(a) What are the plans for the conservation of Nature by our government.
 - (b) Write some important programmers of WWF Pakistan?
- Q. No.5:- Write notes on competition . predation and symbiosis.

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	08
Date :		Objec	Teacher Remarks	

Section - A

i	In alcoholic fermentation the product i.e. is											
а	Acetaldehyde	b	Ethanol	С	Lactic acid	d	Pyretic acid					
ii	Find the correct match for the fermentation product and the organism involved											
а	Formic acid –	b	Ethanol-Aspergillu	С	Ethanol –	d	Glyeerol-Asperg					
	Saccharomyces		S		Saccharomyces		illus					
iii	Which of these is an anti-viral protein											
а	Urokinase	b	Thymosin	С	Insulin	d	Interferon					
iv	is an artifi	cial	synthesis modificatio	n, r	emoval addition an	d re	pair of the					
	genetic material:											
a	Ecology	b	Biotechnology	С	Biology	d	Genetic					
V	In scientists v		able to cut and pasto	e the		•						
a	1960's	b	1950's	С	1970's	d	1940's					
vi	The complete map	of l	numan genes was pul	olish	ed in							
a	2002	b	2000	С	2001	d	1999					
vii			ecules goes through o	oxida	ation –reduction rea	actio	n reactions to					
	release energy in t	he f										
а	Respiration	b	Cellular respiration	С	An-aerobic	d	Both a and b					
					respiration							
viii		d th	e scientific communit	ty th	at all fermentation	s are	the results of					
	microbial activity		<u> </u>									
а	Lan Wilmut	b	Louis Pasteur	С	Lamarck	d	Darwin					
ix	Wheat dough is fe											
a	Only S.	b	S. cerevisiac along	С	Only lactic acid	d	None of these					
	cerevisiac		lactic acid bacteria		and bacteria							
X	Ethanol is prepare					_						
a	Aspergellus	b	Sacchomaromyces	С	Saccharmyces	d	Bacillus					
			+bacillus									
хi	E.coli bacterium w					I -						
a	1970	b	1960	С	1966	d	1977					
xii			dissolve blood clots.			ı						
a	Urokinase	b	Interferons	С	Bothe a and b	d	None of above					

Name of Student	Class	Subject	Board	Chapter
	10^{th}	Biology	(F.B)	08
Date :	Subjective		Teacher Remarks	

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. Define biotechnology.
- ii. What are the products of two types of carbohydrates fermentation?
- iii. Name any three industrial produced?
- iv. What basic steps a genetic engineer adopts during the manipulation of genes?
- v. Describe alcoholic fermentation and lactic acid fermentation by the help the of flow chart?
- vi. Write a note on continuous fermentation?
- vii. How single cell proteins are produced?
- viii. Writer down objectives of genetic engineering.
- ix. Write role of biotechnology in the field of medicines?
- x. What is a single-cell product?
- xi. Define the term genetic engineering and transgenic?
- xii. Write down functions of interferon's and urokinase?
- xiii. In biotechnology, what is mean by genetically modified organisms (GMO), How it is made?
- xiv. What are beverage products.

Section - C

- Q. No.3:- Define fermentation? Describe carbohydrate fermentation?
- Q. No.4:- Write in detail the achievements of genetic engineering.
- Q. No.5:- What are single cell proteins? Write in detail.

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	09
Date :	Objective			Teacher Remarks

i	Example of surger	y is					
а	Tetracycline	b	Diazepam c Asprin d Caphalosporir			Caphalosporin	
ii	In sterile surgeryacid in used to sterilize surgical instruments						
а	Lactic acid	b	Pyruvic acid	С	Carbolic acid	d	Both a and b
iii	ir	vent	ted vaccine				
а	Lamarck	b	Edward jenner	С	Darwin	d	Aristotle
iv	Until, the sub	oject	of pharmacology w	vas k	nown as Malaria M	edica	a
а	1990	b	1980	С	1890	d	1880
V	is	the s	study of durg comp	ositi	on , properties and	med	ical applications
а	Pharmacology	b	Biology	С	Medicine	d	Physiology
vi	Aspirin is categorize	zed a	S				
а	A drug from	b	A synthetic drug	С	A drug from	d	A drug from
	animal				plants		minerals
vii	The drugs used to reduce pain are known as						
a	Analgesics	b	Antiseptics	С	Antibiotics	d	Sedatives
viii	Which of these addictive drugs are also used as painkillers?						
а	Narcotics	b	Sedatives				
ix	Antibiotics are used for the						
a	Treatment of	b	Treatment of	С	Immunization	d	Bothe a and b
	viral infections		bacterial		against infection		
			infections				
х	reduce the po	ssib	ility of infections o	n ski	n		
a	Sedatives	b	Antiseptics	Antiseptics c Antibodies d Disinfe		Disinfectants	
хi	The pain relieve Morphine is made from						
a	Fox glove	b	Datura	С	Peyote	d	Opium
xii	Any chemical subs	tanc	e used in the diagn	osis	cure treatment or p	preve	ention of diseases
	is a / an		,				
а	Pharmaceutical	b	Drug	С	Addictive drug	d	None of above
	drug						

Name of Student	Class	Subject	Board	Chapter
	10 th	Biology	(F.B)	09
Date :	Subjective			Teacher Remarks

Q. No.2:- Attempt any eleven parts from the following. The answer of each part should not exceed 3 to 4 lines.

- i. In which condition bacteria are no longer affected by drugs?
- ii. Differentiate between pharmacology and pharmacy?
- iii. What do you know about sulfonamide group?
- iv. Differentiate between medicinal drug and addictive drug?
- v. Differentiate between Broad -spectrum and Narrow spectrum antibiotics?
- vi. How Terramycin was discovered?
- vii. Describe the mode of action of vaccines?
- viii. What is a drug?
- ix. What is marijuana?
- x. Describe prescription and non-prescription drugs?
- xi. Write down the contributions of Sir Alexander Fleming and Joseph Lister.
- xii. Define Antiseptic Antibiotics, disinfectants?
- xiii. Differentiate between analgesic and antibiotic?
- xiv. Differentiate between sedatives and vaccines?

Section - C

- Q. No.3:- Write a detailed note on Medicinal drugs?
- Q. No.4:- Write a detailed note on categories of addictive drugs?
- Q. No.5:- (a) Write down classification of drugs?
 - (b) Antibiotics are medicinal drugs? Write major groups of antibiotics.

Name of Student	Class	Subject	Board	Chapter
			(F.B)	01
Date :		Objec	tive	Teacher Remarks

Section - A

i				
а	b	С	d	
ii				
а	b	С	d	
iii				
а	b	С	d	
iv				
а	b	С	d	
v		 		
а	b	С	d	
vi				
а	b	С	d	
vii				
а	b	С	d	
viii				
а	b	С	d	
ix				
а	b	С	d	
х				
а	b	С	d	
xi		<u>, , , , , , , , , , , , , , , , , , , </u>	,	
а	b	С	d	
xii	, ,		,	
а	b	С	d	

Name of Student	Class	Subject	Board	Chapter
	! !		(F.B)	01
Date :	Subjective		Teacher Remarks	

Q. No.2:- Attempt any eleven parts from the following	. The answer of each part should not exceed 3
to 4 lines.	

i.	
ii.	
iii.	
iv.	
v.	
vi.	
vii.	
iii.	
ix.	
x.	
xi.	

xii. xiii. xiv. xv.

Section - C

Note: Attempt any two questions. All question carry equal marks.

Q. No.4:-

Q. No.5:-