## Royal College of Arts, Science and Commerce, Mira Road.

## **Sample Question Paper**

## TYBSc Sem VI Microbiology Paper – I (USMB601)

Select the correct alternative:							
1	The sub-discipline of genetics that deals with how genes are transmitted isgenetics.						
	а	Transmission	b	Molecular			
	С	Population	d	Quantitative			
2	·						
	а	Transmission	b	Molecular			
	С	Population	d	Quantitative			
3	The unicellular eukaryotic organism used as model organism for genetic study is						
	а	Saccharomyces cerevisiae	b	Escherichia coli			
	С	Drosophila melanogaster	d	Mus musculus			
4	The fruit fly used as model organism for genetic study is						
	a	Saccharomyces cerevisiae	b	Escherichia coli			
	С	Drosophila melanogaster	d	Mus musculus			
5	The model organism used for genetic study which has 99% genes common with humans is						
	а	Saccharomyces cerevisiae	b	Escherichia coli			
	С	Drosophila melanogaster	d	Mus musculus			
6	The plant used as model organism for genetic study is						
	a	Saccharomyces cerevisiae	b	Arabidopsis thaliana			
	С	Drosophila melanogaster	d	Mus musculus			
7	The model organism used for genetic study which exists in haploid and diploid forms is						
	а	Saccharomyces cerevisiae	b	Escherichia coli			
	С	Drosophila melanogaster	d	Mus musculus			
8	The model organism used for study of population genetics is						
	a	Saccharomyces cerevisiae	b	Escherichia coli			
	С	Drosophila melanogaster	d	Mus musculus			
9	The model organism used for study of X-linked colour blindness in humans was						
	а	Drosophila melanogaster	b	Escherichia coli			
	С	Saccharomyces cerevisiae	d	Mus musculus			
10	The model organism used for study of gene regulation and molecular biology processes was						
	а	Saccharomyces cerevisiae	b	Escherichia coli			
	С	Drosophila melanogaster	d	Mus musculus			
11	The	e organism referrred to as the	work	-horse of recombinant DNA technology is	1		

	а	Escherichia coli	b	Drosophila melanogaster					
	С	Saccharomyces cerevisiae	d	Mus musculus					
12	2 The model organism used for genetic study whose body is transparent is								
	а	Saccharomyces cerevisiae	b	Caenorhabditis elegans					
	С	Drosophila melanogaster	d	Mus musculus					
13	The model organism used for study of Apoptosis was								
	а	Caenorhabditis elegans	b	Escherichia coli					
	С	Drosophila melanogaster	d	Mus musculus					
14	The plasmid that gets integrated in the host chromosome is called								
	а	Cosmid	b	Phagemid					
	С	Episome	d	Incompatible					
15	5 The process of inhibiting plasmid replication without inhibiting chromosome replication is called								
	а	Incompatibility	b	Curing					
	С	Conjugation	d	Termination					
16	6 The transfer of plasmid from one cell to another is controlled by genes								
	а	Essential	b	Non-essential					
	С	tra	d	tet					
17	7 F plasmid is an example of plasmid.								
	а	Conjugative	b	Non-conjugative					
	С	Resistant	С	Degradative					
18	Th	The plasmid R100 is an example of plasmid.							
	а	Conjugative	b	Non-conjugative					
	С	Resistant	С	Degradative					
19	Nisin is a bacteriocin produced by								
	а	Bacillus subtilis	b	E. coli					
	С	Lactococcus	d	Pseudomonas					
20	O Colicin is a bacteriocin produced by								
	а	Bacillus subtilis	b	E. coli					
	С	Lactococcus	d	Pseudomonas					