Reg.No. _____

SET B

Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 16BT1001 **Semester : 2016-17 ODD**
Sub. Name: BIOLOGY IN EVERYDAY LIFE **Duration : 3hrs**
Max. Marks: 100

Q. No.	Questions				Course outcome	Marks
	PART-A (40X1=40 MULTIPLE CHOICE QUESTIONS)					
1.	The genetic code that helps to construct all living organisms is very _____ in all life forms.				CO-1	
	a. Contrasting	b. Similar	c. Different	d. Dissimilar		(1)
2.	The Study of _____ is called Biology.				CO-1	
	a. Cell	b. Life	c. Death	d. Eschaton		(1)
3.	Women's bodies are designed to have a higher body fat percentage than men – about _____% more.				CO-1	
	a. 15	b. 5	c. 20	d. 10		(1)
4.	_____resources, are resources that exist without the actions of humankind.				CO-1	
	a. Human	b. Natural	c. Plastic	d. Paint		(1)
5.	The main concern of _____ is all about proteins, fats, carbohydrates, and other key nutrients, how our body breaks them down, and where they fit into the equation of our overall health.				CO-1	
	a. Cosmology	b. Biochemistry	c. Metallurgy	d. Seismology		(1)
6.	One kilocalorie is equivalent to _____ kilojoules.				CO-1	
	a. 20	b. 4.184	c. 45	d. 55		(1)
7.	Amino acids are then joined via _____linkages to assemble specific proteins, as directed by the genetic material and in response to the body's needs at the time.				CO-1	
	a. Polythene	b. Peptide	c. Ethylene	d. Kerosene		(1)
8.	_____ was the famous typhoid carrier who allegedly gave rise to multiple outbreaks of typhoid fever.				CO-1	
	a. Mary Valance	b. Mary Mallon	c. Mother Mary	d. Mary D'Souza		(1)
9.	_____ is a central nervous system depressant, the use of this drug tends to trigger depression symptoms like lethargy, sadness and hopelessness.				CO-2	
	a. Wine	b. Alcohol	c. Dark Chocolate	d. Chocolate		(1)
10.	People under chronic stress are prone to more frequent and severe viral infections, such as the _____.				CO-2	
	a. Malaria	b. Common Cold	c. Typhoid	d. Dengue		(1)
11.	_____is patterned use of something which the user consumes in amounts or with methods which are harmful to themselves or others, and is also a form of substance-related disorder.				CO-2	
	a. Homeopathy	b. Drug Abuse	c. Naturopathy	d. Chocolate		(1)
12.	Recognize signs of your body's response to _____, such as difficulty sleeping, increased alcohol and other substance use, being easily angered, feeling depressed, and having low energy.				CO-2	
	a. Hardship	b. Stress	c. Pain	d. Headache		(1)
13.	During stress, a person with _____ disorder also experiences extreme high – euphoric or irritable – moods called "mania" or a less severe form called "hypomania."				CO-2	
	a. Dynamo	b. Bipolar	c. Neonatal	d. Perinatal		(1)

14.	When an individual has both depression and an addiction, it is called a _____.				CO-2	
	a. Prognosis	b. Dual Diagnosis	c. Melanosis	d. Diagnosis		(1)
15.	If your DNA includes a gene for a particular disease like breast cancer or diabetes, you are considered genetically_____, or more likely, to develop that disease.				CO-2	
	a. Superseded	b. Predisposed	c. Routine	d. Diverse		(1)
16.	_____ is a term for a range of diseases where abnormal cells divide without control.				CO-2	
	a. Myelin	b. Cancer	c. Cranium	d. Blood		(1)
17.	_____ is an essential part of the beer process. These fungi feast on sugars, making alcohol as they go. The more these cells are at work, the better the job they do at making alcohol.				CO-3	
	a. Mold	b. Yeast	c. Protozoa	d. Virus		(1)
18.	Nothing feels as satisfying and authentic as making your first batch of wine from fresh grapes. And there's no better time to try it than in early_____, when grapes all over the country are ripening in vineyards and backyard gardens.				CO-3	
	a. Summer	b. Autumn	c. Spring	d. Winter		(1)
19.	Bacteria are_____, single-celled organisms that exist all around you and inside you.				CO-3	
	a. Macroscopic	b. Microscopic	c. Eukaryotic	d. Allergic		(1)
20.	_____are microscopic organisms that usually live in water. They move through the water with tiny hair-like arms called Cilia.				CO-3	
	a. Echynodermates	b. Protozoans	c. Fungi	d. Coelomates		(1)
21.	If an antibiotic is stopped in mid-course or over-use of it the germs (bacteria) may be partially treated and not completely killed and the Bacteria may then become _____ to that antibiotic.				CO-3	
	a. Sensitive	b. Resistant	c. Intermediary	d. Enzyme		(1)
22.	The recipe followed for making beer in the example given to you is for a beer in the Belgian white or "wit" sytle. It's called "Wit Ginger, Not Mary Ann," and was published by the esteemed beer-brewing magazine,_____.				CO-3	
	a. Nat Geo	b. Zymurgy	c. India Today	d. Cosmopolitan		(1)
23.	_____is one of the most important factors to get soft Idli's and in winters, fermentation is an issue. These soft pillowy steam lentil rice cakes, as we call them in English is popular outside India too.				CO-3	
	a. Augmentation	b. Fermentation	c. Compensation	d. Decomposition		(1)
24.	*Vitis vinifera* is the classic choice for_____, varietal character and historic authenticity. This famous European wine-grape family includes such renowned varieties as Chardonnay, Merlot, Zinfandel and Cabernet Sauvignon.				CO-3	
	a. Essence	b. Flavour	c. Malt	d. Hops		(1)
25.	_____are those substance which are present exclusively in the living organisms and they are formed in the body to manage the needs of physiology and growth.				CO-4	
	a. Co-molecules	b. Biomolecules	c. Co-factors	d. Veins		(1)
26.	Lignin, chitin are biomolecules present only in _____cell wall.				CO-4	
	a. Animals	b. Plants	c. Crustaceans	d. Bacteria		(1)
27.	_____ are the substances which act as intermediates in the body metabolism and other reactions and they are formed from one or other bio-molecules like food based or constitutional based.				CO-4	
	a. Secondary Metals	b. Primary Metabolites	c. Metals	d. Ketones		(1)
28.	The order of those bases on a strand of DNA is called the _____.				CO-4	
	a. Beads	b. Sequence	c. Sequel	d. Part II		(1)
29.	_____and RNA are long linear polymers, called nucleic acids that carry information in a form that can be passed from one generation to the next.				CO-4	
	a. B-DNA	b. DNA	c. rRNA	d. tRNA		(1)

30.	Gene expression is _____by regulatory DNA sequences, located upstream or downstream of the coding region, which are not generally transcribed.				CO-4	
	a. Evolved	b. Controlled	c. Derived	d. Devised		(1)
31.	_____scientists may specialize in a wide range of scientific disciplines and their findings are often used in investigations and in the prosecution and defense of criminals.				CO-4	
	a. Forum	b. Forensic	c. Forest	Frontier		(1)
32.	Because genes are not always located close enough to one another to allow a precise pinpointing of their position, linkage analyses often rely on _____markers along the genome for estimating the location of an unknown gene.				CO-4	
	a. Chemical	b. Physical	c. Emotional	d. Physcological		(1)
33.	The Action of an Antibiotic in general depends largely on the nature of the cell wall especially the thickness of the layer of _____ which differentiates bacteria in Gram-Positive or Gram-Negative organisms.				CO-5	
	a. Peptides	b. Peptidoglycan	c. Glucan	d. Dextran		(1)
34.	There are various antibiotics available and they come in various different brand names. Antibiotics are usually grouped together based on how they_____.				CO-5	
	a. Switch	b. Work	c. Bark	d. Crouch		(1)
35.	_____organisms are those that have been genetically modified using recombinant DNA technology.				CO-5	
	a. Tangential	b. Transgenic	c. Transient	d. Tranverse		(1)
36.	Allergic reactions in humans occur when a normally harmless _____enters the body and stimulates an immune response				CO-5	
	a. Fat	b. Protein	c. Lipid	d. Antibody		(1)
37.	_____have the ability to differentiate into an enormous range of healthy functioning adult cells, thereby providing a replacement source of cells to treat serious diseases.				CO-5	
	a. Epithelial	b. Stem cells	c. B-Cells	d. T-Cells		(1)
38.	High security facilities are necessary when working with _____ biology as there are possibilities of bioterrorism acts or release of harmful chemicals and or organisms into the environment.				CO-5	
	a. Clonal	b. Synthetic	c. Cosmetic	d. Brave		(1)
39.	Bioethicists are concerned with the _____questions that arise in the relationships among life sciences, biotechnology, medicine, politics, law, and philosophy.				CO-5	
	a. Biblical	b. Ethical	c. Mythical	d. Divine		(1)
40.	_____ was from Albania who won the Nobel Prize in 1979 for serving India.				CO-5	
	a. Mother	b. Mother Teresa	c. Mother Sarah	d. Mother Eva		(1)
PART B(8 X 5 = 40 MARKS) (ANSWER ANY EIGHT)						
41.	Who first used binomial nomenclature and name a few contributions?				CO-1	(5)
42.	Mechanism by which evolution takes place through natural selection and give examples.				CO-1	(5)
43.	Explain the various Genetic Diseases you have come across?				CO-2	(5)
44.	What is known as the “Cascade effect of Stress”?				CO-2	(5)
45.	Give the Significance of Monoclonal Antibodies in the near Future.				CO-3	(5)
46.	Describe any ONE type of Biofertizer and its uses.				CO-3	(5)
47.	Explain the importance of Transcription and Translation processes.				CO-4	(5)
48.	What do you understand from the phrase “Gene Expression and Function”?				CO-4	(5)
49.	Briefly infer the potential uses of Stem Cells.				CO-5	(5)
50.	Outline the havoc created by Drug Resistant Pathogens in today’s scenario.				CO-5	(5)
PART C(2 X 10 = 20 MARKS) (ANSWER ANY TWO)						
51.	Elucidate the importance of Micromolecules and Macromolecules in Human Nutrition.				CO-1	(10)
52.	Explain in details the forms of Depression along with significant signs and symptoms.				CO-2	(10)
53.	Discuss in detail the types of Biomolecules and their importance.				CO-4	(10)

ALL THE BEST