

Reg.No. \_\_\_\_\_

**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 : 15CH2003**  
**Sub. Name : Chemistry in Everyday Life**

**Semester : 2016-17 ODD**  
**Duration : 3hrs**  
**Max. marks : 100**

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Name the common group present in all chemical explosive materials	CO1	1
	b.	Who is 'NOSE' in perfume industry?	CO1	1
	c.	Give the name of the first antibiotic and its inventor. Give the general function of an antibiotic?	CO1	4
	d.	Why ammonia is added invariably in all hair dye products?	CO2	4
	e.	Write short notes on diagnosing the diseases through fluid samples of our body? (Blood, urine)	CO1	1 0
(OR)				
2.	a.	If the pH of hair should be 4.5 – 5.5 is good, why?		2
	b.	Can you go for using anabolic steroids to increase strength? Justify your answer?	CO2	4
	c.	The anticancer agent present in tomatoes is -----		1
	d.	As an engineer, what way can you help the society to eradicate so called incurable diseases like AIDS, Cancer etc as it is done in the case of Polio?	CO2	1 0
	e.	Between the following deodorant and an antiperspirant which one will you choose and why?	CO2	3
3.	a.	What is SLS? How much minimum percentage of SLS is needed in tooth paste?	CO1	2
	b.	What is microban technology?	CO1	4
	c.	How natural dyes are different from synthetic dyes	CO2	4
	d.	Give the chemical structure and name of aginomotto?	CO1	3
	e.	Explain the chemistry of perfumes in spreading the aroma? (10)	CO2	7
(OR)				
4.	a.	When boiling water falls on LPG flame, it glows yellowish. Give reason?	CO2	1
	b.	If manganese element present in tea drops, what does it indicates?	CO2	2
	c.	While cutting onion, our eyes get irritated followed by tears, explain the chemistry involved in this process.	CO2	4
	d.	Eating grilled chicken or smoked fish is not good for health, what do they contain and give effect of the same?	CO2	3
	e.	Discuss in detail the various ingredients used in tooth paste and the significance of each?	CO1	1 0

5.	a.	Can you explain the chemistry concept in the case of disappearing ink prepared by NaOH and thymolphthalein?	CO2	5
	b.	What is liquid nitrogen ice cream?	CO1	2
	c.	Write a note on hair dye giving color to hair .	CO1	6
	d.	What is certification mark given for oil?	CO1	2
	e.	Flesh of fish smell different than other meat, give reason?	CO2	5
(OR)				
6.	a.	Give reason for the following? Peeling of onions irritate eyes.	CO2	7
	b.	Puff pastries expand when prepared.	CO2	4
	c.	Sea shells are mostly made of $\text{CaCO}_3$ , but are colored, why?	CO2	4
	d.	Water does not relieve the burning sensation of chilly. Why?	CO2	2
	e.	Give the benefit of fluoride for our teeth?	CO2	3
7.	a.	Explain the chemistry concepts involved in ice cream making?	CO2	12
	b.	Write a notes on certification marks on fruits, grains and pulses	CO1	4
	c.	By regularly adding aginomotto in our diets the effects like obesity, behavioral changes can be found, give reasons?	CO2	4
(OR)				
8.	a.	Why cotton fabrics absorb more water?	CO2	5
	b.	Skin feel cooling effect when cosmetic cream is applied. Give reason	CO1	3
	c.	Give the test for identification of adulterant for the following and state the effect of the adulterant? (3x4 = 12)  i. Banana, ii. Apple, iii. Ghee, iv. Green Chilli	CO2	12
<b><u>Compulsory:</u></b>				
9.	a.	Why are organic food costly?	CO2	3
	b.	What is iodized salt? Reason out the need for it?	CO2	6
	c.	What is a neurotransmitter? Can you brief on how dopamine level makes a person addict?	CO1	6
	d.	How will you identify pepper are adulterated or not?	CO2	1
	e.	Write a note on molecule of happiness	CO1	4

ALL THE BEST