

# ORGANIC CHEMISTRY

ENTHUSIAST | LEADER | ACHIEVER



# **EXERCISE**

Environmental Chemistry and Qualitative and Quantitative analysis of organic compounds

# **EXERCISE-I** (Conceptual Questions)

- 1. Consider following gases :-
  - (a) CO<sub>2</sub>
- (b) methane
- (c) Ozone
- (d) CFC
- (e) Water vapour
- (f) N<sub>2</sub>O

Which is/are considered as green house gases.

- (1) a, b, d, f
- (2) a, b, d, e, f
- (3) a, b, c, d, e, f
- (4) a, d only

# EM0054

- 2. Which is not correct set of green house gas.
  - (1) N<sub>2</sub>O & CO<sub>2</sub>
- (2) O<sub>3</sub> & SO<sub>2</sub>
- (3) O<sub>3</sub> & H<sub>2</sub>O vapour
- (4) CO<sub>2</sub> & CH<sub>4</sub>

### EM0055

- 3. When vegatation is burnt in the absence of oxygen which green house gas is produced naturally.
  - (1) CO
- (2) CO<sub>2</sub>
- (3) CH<sub>4</sub>
- (4) 1 & 2 both

### EM0056

- 4. What CO<sub>2</sub> level causes global warming:-
  - (1) More than 0.3%
- (2) More than 0.03%
- (3) More than 3%
- (4) More than 0.003%

## EM0057

- 5. Maximum prescribed concentration of  $F^{\Theta}$  ion, lead, and nitrate respectively in drinking water:
  - (1) 10 ppm, 50 ppm, 50 ppm
  - (2) 10 ppm, 5 ppb, 5 ppm
  - (3) 10 ppm, 500 ppb, 50 ppm
  - (4) 10 ppm, 50 ppb, 50 ppm

### EM0058

- 6. Which of the following is the non conventional source of energy
  - (1) Coal
  - (2) Petroleum
  - (3) Electricity from nuclear power plants
  - (4) Solar radiations

# EM0007

- 7. Petroleum resource is
  - (1) Renewable
  - (2) Non renewable
  - (3) Synthetic & biodegradable
  - (4) Infinite & unconventional

# **EM0008**

# Build Up Your Understanding

- 8. The main aim of plant conservation is -
  - (1) To conserve the necessary ecological activities and life supporting systems
  - (2) To conserve species diversity and range of genetic material
  - (3) Both the above
  - (4) None of the above

### EM0009

- 9. Which will not cause any atmospheric pollution
  - (1) Hydrogen
  - (2) Sulphur dioxide
  - (3) Carbon dioxide
  - (4) Carbon monoxide

### EM0010

- Which of the following is the main factor of 10. water pollution
  - (1) Smoke
  - (2) Industrial waste
  - (3) Detergent
  - (4) Ammonia

# EM0011

- 11. Main air pollutant among the following is
  - (1) CO
- (2) CO<sub>2</sub>

(3)  $N_2$ 

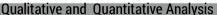
- (4) Sulphur
- EM0012
- Which is main for water pollutant:
  - (1) Sound
- (2) SO<sub>2</sub>
- (3) Salts of arsenic
- (4) Sewage
- EM0013
- Pollution can be controlled by **13**.
  - (1) Sewage treatment
  - (2) Checking atomic blasts
  - (3) Manufacturing electrically operated vehicles
  - (4) All the above

# EM0014

- 14. Which is the major contributor for air pollutant these days
  - (1) Factories
  - (2) Motor vehicles
  - (3) Domestic appliances
  - (4) animals

# EM0016

# Chemistry: Environmental chemistry Pinfical General & Chalnaay





- Removal of the soil by the action of wind and water is known as
  - (1) Erosion
- (2) Fossilization
- (3) Leaching
- (4) Calcification

# EM0017

- 16. Ozone layer of upper atmosphere is being destroyed by
  - (1) Sulphurdioxide
- (2) Carbondioxide
- (3) Chlorofluorocarbon
- (4) Smog

# EM0020

- 17. Most hazardous metal pollutant of automobile exhaust is
  - (1) Hg
- (2) Cd
- (3) Pb
- (4) Cu

# EM0021

- SO<sub>2</sub> pollution is indicated by
  - (1) Grasses (2) Mosses
- (3) Lichens (4) Fossils

# EM0022

- **19.** B.O.D. is connected with
  - (1) Organic matter
- (2) Microbes
- (3) Both
- (4) None

### EM0023

- 20. Acid rain is due to increase in atmospheric concentration of
  - (1) Ozone and dust
- (2) CO<sub>2</sub> and CO
- (3) SO<sub>3</sub> and CO
- (4) SO<sub>2</sub> and NO<sub>2</sub>

### EM0024

- **21.** Soil conservation is the process where
  - (1) Soil is aerated
  - (2) Soil erosion is allowed
  - (3) Soil is protected against loss
  - (4) Sterile soil is converted into fertile soil

### EM0027

- **22.** Ether and benzene can be separated by :-
  - (1) Filtration
- (2) Distillation
- (3) Crystallization
- (4) Sublimation

# PO0028

- 23. The presence of ozone in the stratosphere prevents from :-
  - (1) 90% UV radiation
  - (2) 99.5% UV radiation
  - (3) 80% UV radiation
  - (4) 75% UV radiation
- EM0059

- Which of the following is not correct regarding **24**. NO<sub>2</sub> gas?
  - (1) High concentration of NO<sub>2</sub> damage the leaves
  - (2) It retards the rate of photosynthesis.
  - (3) It is a lung irritant that can lead to an acute respiratory disease in children.
  - (4) High concentration of NO<sub>2</sub> causes irritation to eyes, resulting in tears and redness.

### EM0060

- **25**. Which of the following is viable particulate pollutants?
  - (I) Bacteria
- (II) Fungi
- (III) Moulds
- (IV) Algae
- (1) I & II
- (2) II & III
- (3) III & IV
- (4) I, II, III & IV

### EM0061

- **26**. Classical smog occurs in :-
  - (1) Cool and humide climate
  - (2) Sunny and dry climate
  - (3) Humid and dry climate
  - (4) Cool and dry climate

# EM0062

- 27. Photochemical smog also known as :-
  - (1) Reducing smog
  - (2) Oxidising smog
  - (3) Both reducing and oxidising
  - (4) None

### EM0063

- **28**. Classical smog is :-
  - (1) Reducing smog
  - (2) Oxidising smog
  - (3) Both reducing and oxidising
  - (4) None

### EM0064

- **29**. Which of the following is not the component of photochemical smog?
  - (1) O<sub>3</sub>, NO

- (3) CH<sub>2</sub>=CH-CHO
- (4) Chloro fluoro carbon

EM0065

Pre-Medical

# Qualitative and Quantitative Analysis

- **30.** Primary precursors of photochemical smog are :-
  - (1) NO<sub>2</sub> & Hydrocarbon
  - (2) O<sub>3</sub> & PAN (Peroxyacetyl nitrate)
  - (3) NO<sub>2</sub> & O<sub>3</sub>

# EM0066

- **31.** Catalytic converters are used in automobiles, which prevents the release of :-
  - (1) NO and Hydrocarbon
  - (2) SO<sub>2</sub> and Hydrocarbon
  - (3) O<sub>3</sub> and Hydrocarbon
  - (4) NO<sub>2</sub> and SO<sub>2</sub>

### EM0067

**32.** Which of the following can be used for dry cleaning clothes?

$$(1) \overset{\text{Cl}}{\underset{\text{Cl}}{\sum}} C = C \overset{\text{Cl}}{\underset{\text{Cl}}{\sum}} C = C$$

- (2) Liquified CO<sub>2</sub> with suitable detergents
- (3)  $H_{2}O_{2}$
- (4) Both 1 and 2

### EM0068

- **33.** For bleaching clothes, which of the following is used now a days:-
  - (1)  $O_3$
- (2) H<sub>2</sub>O<sub>2</sub>
- (3) KMnO<sub>4</sub>
- (4) Cl C=C C

# EM0069

- **34.** In Dumas method, nitrogen containing organic compound threated with
  - (1) CuO
- (2) H<sub>2</sub>SO<sub>4</sub>
- (3) CuSO<sub>4</sub>
- (4) Al<sub>2</sub>O<sub>3</sub>

# PO0070

- **35.** The role of aqueous solution of KOH in Dumas method is :-
  - (1) To make alkaline solution for reaction
  - (2) To absorb carbon dioxide
  - (3) To dissolve CuO
  - (4) To release N<sub>2</sub> gas from organic compound

PO0071

- **36.** A sample of 0.50 g of an organic compound was treated according to Kjeldahl's method. The ammonia evolved was absorbed in 50 ml of 0.5 M  $\rm H_2SO_4$ . The residual acid required 60 ml of 0.5 M solution of NaOH for neutralisation. Find % composition of nitrogen in the compound.
  - (1) 56%
- (2) 65%
- (3) 36%
- (4) 63%

# PO0072

- 37. 0.3780 g of an organic chloro compound gave 0.5740 g of silver chloride in carius estimation. Calculate the % of chlorine present in the compound.
  - (1) 37.57%
- (2) 43.12%
- (3) 57%
- (4) 85%

# PO0073

- **38.** Solid substances change from solid to vapour state without passing through liquid state is known as -
  - (1) Distillation
- (2) Crystallisation
- (3) Sublimation
- (4) Chromatography

### PO0074

- **39.** Method which is based on the difference in the solubilities of the compound -
  - (1) Crystallisation
- (2) Distillation
- (3) Sublimation
- (4) All

# PO0075

- **40.** Different fractions of crude oil are separated by -
  - (1) Simple distillation
- (2) Fractional distillation
- (3) Steam distillation
- (4) Vacuum distillation
  - PO0076
- **41.** On treating sodium fusion extract with sodium nitroprusside, appearence of a violet colour indicates the presence of sulphur, appearence of violet colour due to -
  - (1) [Fe(CN)<sub>5</sub>NO]<sup>-2</sup>
- (2) [Fe(CN)<sub>5</sub>NOS]<sup>-4</sup>
- (3) [Fe(SCN)]<sup>+2</sup>
- (4) PbS

# PO0077

- **42.** Which process is used for purification of liquids having high B.P. and decomposition below their B.P.
  - (1) Distillation
  - (2) Steam distillation
  - (3) Distillation under reduced pressure
  - (4) Differential extraction

# Chemistry: Environmental chemistry, pinfical or mands Chalnaa Qualitative and Quantitative Analysis



**43**. Mixture Purification technique

- A) Chloroform & aniline P) Distillation
- B) Glycerol & spent lye Q) Chromatography
- C) Aniline & water
- R) Steam distillation
- D) Amino acid
- S) Distillation under

reduced pressure

Correct match

- (1) A-P, B-Q, C-R, D-S
- (2) A-P, B-S, C-R, D-Q
- (3) A-P, B-R, C-S, D-Q
- (4) A-R, B-S, C-P, D-Q

### PO0079

- **44.** During Lassaigne's test for nitrogen, the prussian blue colour is obtained due to formation of
  - (1) Na<sub>4</sub>[Fe(CN)<sub>6</sub>]
- (2)  $Fe_4[Fe(CN)_6]_3$
- (3)  $Fe_{2}[Fe(CN)_{6}]$
- (4) Fe<sub>3</sub>[Fe(CN)<sub>6</sub>]<sub>4</sub>

PO0080

- The best and latest technique for **45**. isolation, purification and separation of organic compounds is
  - (1) Crystallisation
  - (2) Distillation
  - (3) Sublimation
  - (4) Chromatography

PO0081

- **46**. Aniline is purified by :-
  - (1) Azeotropic distillation
  - (2) Steam distillation
  - (3) distillation in presence of magnesium
  - (4) Fractional distillation

EXERCISE-I (Conceptual Questions)													ANSV	VER	KEY
Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	3	2	3	2	4	4	2	1	1	2	1	3	4	2	1
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	3	3	3	3	4	3	2	2	4	4	1	2	1	4	1
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	1	4	2	1	2	1	1	3	1	2	2	3	2	2	4
Que.	46														
~															

# **EXERCISE-II** (Previous Year Questions)

# **AIPMT 2008**

1. An organic compound contains carbon, hydrogen and oxygen. Its elemental analysis gave C, 38.71% and H, 9.67%. The empirical formula of the compound would be:-

(1) CHO

(2) CH<sub>4</sub>O

(3) CH<sub>3</sub>O

(4) CH<sub>2</sub>O

# PO0029

# AIPMT Pre.-2011

- **2.** Which one of the following statement is not true?
  - (1) pH of drinking water should be between 5.5–9.5
  - (2) Concentration of DO below 6 ppm is good for the growth of fish
  - (3) Clean water would have BOD value of less then 5 ppm
  - (4) Oxides of sulphur, nitrogen and carbon are the most widepread air pollutant

### EM0030

3. In Duma's method of estimation of nitrogen 0.35g of an organic compound gave 55 mL of nitrogen collected at 300 K temperature and 715 mm pressure. The percentage composition of nitrogen in the compound would be:

(Aqueous tension at 300 K = 15 mm)

(1) 15.45

- (2) 16.45
- (3) 17.45

(4) 14.45

# PO0031

- **4.** The Lassaigne's extract is boiled with conc. HNO<sub>3</sub> while testing for the halogens. By doing so it :-
  - (1) decomposes Na<sub>2</sub>S and NaCN, if formed
  - (2) helps in the precipitation of AgCl
  - (3) increases the solubility product of AgCl
  - (4) increases the concentration of NO<sub>3</sub> ions

### PO0032

### AIPMT Pre.-2012

- **5.** Which one of the following statements regarding photochemical smog is not correct?
  - (1) Photochemical smog is formed through photochemical reaction involving solar energy
  - (2) Photochemical smog does not cause irritation in eyes and throat.
  - (3) Carbon monoxide does not play any role in photochemical smog formation
  - (4) Photochemical smog is an oxidising agent in character

# EM0033

# AIPMT/NEET

### **AIPMT 2014**

- **6.** Which one of the following is **not** a common component of Photochemical Smog?
  - (1) Ozone
  - (2) Acrolein
  - (3) Peroxyacetyl nitrate
  - (4) Chlorofluorocarbons

# EM0035

7. In the Kjeldahl's method for estimation of nitrogen present in a soil sample, ammonia evolved from 0.75 g of sample neutralized 10 mL of 1 M H<sub>2</sub>SO<sub>4</sub>. The percentage of nitrogen in the soil is:

(1) 37.33

(2)45.33

(3) 35.33

(4) 43.33

PO0036

# **AIPMT 2015**

- 8. In Duma's method for estimation of nitrogen, 0.25 g of an organic compound gave 40 mL of nitrogen collected at 300 K temperature and 725 mm pressure. If the aqueous tension at 300 K is 25 mm, the percentage of nitrogen in the compound is:-
  - (1) 18.20
- (2) 16.76
- (3) 15.76
- (4) 17.36

PO0038

# NEET(UG) 2017

- **9.** The most suitable method of separation of 1:1 mixture of ortho and para-nitrophenols is:
  - (1) Chromatography
  - (2) Crystallisation
  - (3) Steam distillation
  - (4) Sublimation

### PO0040

- **10.** Which of the following is a sink for CO?
  - (1) Micro organism present in the soil
  - (2) Oceans
  - (3) Plants
  - (4) Haemoglobin

EM0041

# **NEET(UG) 2018**

- **11.** Which oxide of nitrogen is **not** a common pollutant introduced into the atmosphere both due to natural and human activity?
  - $(1) N_2O_5$

(2) NO<sub>2</sub>

(3) N<sub>2</sub>O

(4) NO

EM0043

# Chemistry: Environmental chemistry, pimfical or memory & Chalnaayaaar

Qualitative and Quantitative Analysis



# **NEET(UG) 2019**

- **12.** Among the following, the one that is **not** a green house gas is:-
  - (1) nitrous oxide
  - (2) methane
  - (3) ozone
  - (4) sulphur dioxide

# EM0082

# **NEET(UG) 2020**

- **13.** Paper chromatography is an example of:
  - (1) Column chromatography
  - (2) Adsorption chromatography
  - (3) Partition chromatography
  - (4) Thin layer chromatography

### PO0102

- **14.** Which of the following is **not** correct about carbon monoxide?
  - (1) It is produced due to incomplete combustion
  - (2) It forms carboxyhaemoglobin
  - (3) It reduce oxygen carrying ability of blood
  - (4) The carboxyhaemoglobin (haemoglobin bound to CO) is less stable than oxyhaemoglobin.

# EM0103

# NEET(UG) 2020 (COVID-19)

- **15.** Which of the following statement is **NOT** true about acid rain?
  - (1) It is due to reaction of SO<sub>2</sub>, NO<sub>2</sub> and CO<sub>2</sub> with rain water
  - (2) Causes no damage to monuments like Taj Mahal.
  - (3) It is harmful for plants.
  - (4) Its pH is less than 5.6

# EM0104

- **16.** A liquid compound (x) can be purified by steam distillation only if it is
  - (1) Steam volatile, immiscible with water
  - (2) Not steam volatile, miscible with water
  - (3) Steam volatile, miscible with water
  - (4) Not steam volatile, immiscible with water

# PO0105

# **NEET(UG) 2021**

**17.** Match **List-I** with **List-II**:

# List-I

### List-II

- (a)  $2SO_2(g) + O_2(g) \rightarrow 2SO_3(g)$
- (i) Acid rain
- (b) HOCl(g)  $\xrightarrow{hv}$
- (ii) Smog

- (c)  $CaCO_3 + H_2SO_4 \rightarrow CaSO_4 + H_2O + CO_2$
- (iii) Ozone depletion
- (d)  $NO_2(g) \xrightarrow{hv} NO(g)+O(g)$
- (iv) Tropospheric pollution

Choose the **correct** answer from the options given below.

- (1) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)
- (2) (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)
- (3) (a)-(iv), (b)-(iii), (c)-(i), (d)-(ii)
- (4) (a)-(iii), (b)-(ii), (c)-(iv), (d)-(i)

### EM0106

# NEET(UG) 2021(Paper-2)

- **18.** Poisonous gas present in the exhaust fumes of car is
  - (1) CH<sub>4</sub>
- (2) CO
- (3)  $CO_2$
- $(4) C_2H_2$

EM0107

# **NEET(UG) 2022**

**19.** The Kjeldahl's method for the estimation of nitrogen can be used to estimate the amount of nitrogen in which one of the following compounds?

(1) Both A and B are polluted. (2) A is clean but B is polluted.

(3) A is polluted but B is clean.

(4) Both A and B are clean.

**22**.

Pre-Medical

# **Qualitative and Quantitative Analysis**

A student collected samples from two water bodies A and B in a metro city. The biochemical

oxygen demand for 'A' is 3 ppm while for B is

found to be 18 ppm. Which one of the following

- 20. The pollution due to oxides of sulphur gets enhanced due to the presence of:
  - (a) particulate matter
  - (b) ozone
  - (c) hydrocarbons
  - (d) hydrogen peroxide

Choose the most appropriate answer from the options given below:

(1) (a),(b),(d)only (3) (a), (c),(d) only (2) (b),(c),(d)only

(4) (a), (d) only

EM0109

# Re-NEET(UG) 2022

**23**. Match List-I with List-II:

is true?

List-I List-II Biochemical Oxidising mixture (a) oxygen demand Photochemical Polar (b) (ii) stratospheric smog cloud Classical smog (c) (iii) organic matter in water (d) Ozone layer (iv) reducing mixture depletion

Choose the correct answer from the options given below:

- (1) (a)-(i), (b)-(iv), (c)-(ii), (d)-(iii)
- (2) (a)-(iii), (b)-(iv), (c)-(i), (d)-(ii)
- (3) (a)-(iii), (b)-(i), (c)-(iv), (d)-(ii)
- (4) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)

EM0112

EM0111

# **NEET(UG) 2022 (OVERSEAS)**

### 21. Match List-II with List-II:

# List-I

### List-II

(a) Separation of aniline-water

mixture

mixture

- (i) Fractional distillation
- (b) Separation of aniline-chloroform
- (ii) Distillation under reduced pressure
- (c) Separation of glycerol from
- (iii) Distillation
- spent-lye (d) Separation of different fractions
- (iv) Steam distillation

of crude oil Choose the correct answer from the options given below:

- (1) (a)-(iv), (b)-(i), (c)-(iii), (d)-(ii)
- (2) (a)-(iv), (b)-(ii), (c)-(iii), (d)-(i)
- (3) (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)
- (4) (a)-(i), (b)-(iii), (c)-(ii), (d)-(iv)

PO0110

### ANSWER KEY **EXERCISE-II** (Previous Year Questions) 2 8 Que. 3 4 5 6 7 9 10 11 12 13 15 2 Ans. 3 2 2 1 2 4 1 Que. 16 17 18 19 20 21 22 23 Ans. 1 3 2 2 1 3 2 3



# **EXERCISE-III** (Analytical Questions)

- 1. The term biosphere is used for the zone of the earth where life exists
  - (1) On the lithospere
  - (2) In the hydrosphere
  - (3) In the lithosphere and hydrosphere
  - the lithosphere, (4) In hydrosphere atmosphere

### EM0044

- 2. The population of India is 15% of the world but its annual energy consumption is only
  - (1) 0.2%
- (2) 2.0%
- (3) 10%
- (4) 25%

# EM0045

- 3. Which of the following atmospheric pollutants is not produced by the exhaust of motor vehicle in Delhi
  - (1) SO<sub>2</sub>
- (2) Hydrocarbon gases
- (3) Fly ash
- (4) CO

# EM0047

- 4. If water pollution continues at its present rate, it will eventually
  - (1) Stop water cycle
  - (2) Prevent precipitation
  - (3) Make oxygen molecules unavailable to water plants.
  - (4) Make nitrate molecules unavailable to water plants.

### EM0048

- 5. Recent reports of acid rains industrial cities are due to the effect of atmospheric pollution by
  - (1) Excessive release of NO2 and SO2 by burning of fossil fuels.
  - (2) Excessive release of CO<sub>2</sub> by burning of fuel like wood and charcoal, cutting of forests and increased animal population.
  - (3) Excessive release of NH<sub>3</sub> by industrial plants and coal gas.
  - (4) Excessive release of CO in atmosphere by incomplete combustion of cock, charcoal and other carbonaceous fuels in pancity of oxygen

# EM0049

# Master Your Understanding

- 6. Pollution is a change in physical, chemical or biological characters of our land and water that may be
  - (1) Desirable and harmful to human
  - (2) Desirable and useful to human
  - (3) Undesirable and harmful to human
  - (4) undesirable and useful to human

# **EM0050**

- **7**. An increase in CO<sub>2</sub> concentration in the atmosphere will result in
  - (1) Adverse effects of natural vegetation
  - (2) Global warming
  - (3) Temperature decrease in global atmosphere
  - (4) Genetic disoders in plants and animals

# EM0051

8. Match the Column-I with Column-II and choose the correct option from the codes given below.

Metal	Maximum prescribed
	concentration (PPM)

- 1. 0.005 (A) Fe
- (B) Cd 2. 0.2
- (C) Mn 3. 5.0
- 4. 0.05 (D) Zn

# Codes:

Α	В	C	D
1	3	2	4
2	1	4	3
	1	1 3	1 3 2

2 (3)1 4 (4)

1 2 4 3

# PO0083

- 9. Carius method is useful for detection of ...... in organic compound
  - (1) Halogens
- (2) Oxygen
- (3) Sulphur
- (4) 1 & 3 both

### PO0084

- 10. Which appratus is use to detect carbon, hydrogen and nitrogen in a compound.
  - (1) COS elemental analysis
  - (2) CHN elemental analysis
  - (3) ITS elemental analysis
  - (4) CTP elemental analysis





Pre-Medical

# 11. Select correct match:

	Column I (elements)	Column II (Reagent used for quantitative estimation)					
(i)	Carbon	(A)	CuO				
(ii)	Oxygen	(B)	$I_2O_5$				
(iii)	Sulphur	(C)	$BaCl_2$				
(iv)	Nitrogen	(D)	H <sub>2</sub> SO <sub>4</sub>				

- (1) i-A, ii-B, iii-C, iv-D
- (2) i-A, ii-D, iii-C, iv-B
- (3) i-D, ii-A, iii-B, iv-C
- (4) i-C, ii-A, iii-B, iv-D

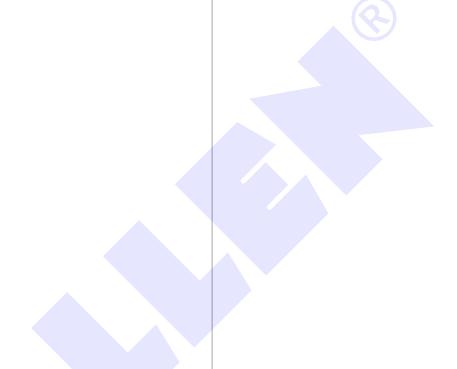
# PO0086

- **12.** Which of following statement is correct
  - (1) When organic compound heated with fuming nitric acid, Phosphorus present in the compound is oxidised to phosphoric acid

**Qualitative and Quantitative Analysis** 

- (2) Phosphoric acid may precipitate as  $(NH_4)_3PO_4$  by adding ammonia and ammonium molybdate
- (3) Phosphoric acid may be precipitate as MgO by adding magnesia mixture
- (4) All

PO0087



EXERCISE-III (	(Analy	/tical	Questions'
	типату	ricai	QUUSTIONS

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12
Ans.	4	2	3	3	1	3	2	2	4	2	1	1