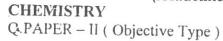
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(To be filled in by the candidate)

(Academic Sessions 2015 - 2017 & 2016 - 2018)



218-(INTER PART – II)

GROUP - II

Time Allowed: 20 Minutes Maximum Marks: 17

PAPER CODE = 8486

Note: * Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero m

1-1	When ethyl magnesium bromide reacts with HCHO 5-11
	When ethyl magnesium bromide reacts with HCHO followed by acid hydrolysis, the product formed is:
	(A) Ethanol (B) 1 – Propanol (C) Ethanoic acid (D) 2 – Propanol
2	Which one of the following is a non-typical transition element:
	(A) Cr (B) Mn (C) Cd (D) Fe
3	The solution of which acid is used for seasoning of food:
	(A) Formic acid (B) Acetic acid (C) Benzoic acid (D) Butanoic acid
4	Formula of sodium beryllate is:
	(A) $Na_2B_4O_7$ (B) Na_2BeO_2 (C) $BeONa$ (D) $Na_2B_4O_7.10H_2O$
5	Fungicides are used to:
	(A) Control the growth of fungus (B) Kill insects
	(C) Kill plants (D) Kill herbs
6	Addition of water to acetylene takes place in presence of:
	(A) N; (D) H GO (H GO (G) 7 7)
7	The lowest ionization energy is possessed by : (B) $HgSO_4/H_2SO_4$ (C) $ZnC\ell_2$ (D) Cu
	(A) D
8	Which one of the following oxides is more acidic:
9	Which one of the following compounds is more acidic: (D) Mn_2O_7
	(A) HCOH (D) HO
10	Ammonium nitrate fertilizer is not used for which crop: (C) H_5C_2OH (D) H_3CCOOH
	(4) (2)
11	Which one of the following species is an electron releasing:
	0
	(A) - CHO (B) - C - R (C) - OH (D) - COOH
12	which is the weakest oxidizing agent:
	(A) Br_2 (B) $C\ell_2$ (C) F_2 (D) I_2
13	In purification of potable water the coagulant used is:
1.4	(A) Nickel sulphate (B) Alum (C) Copper sulphate (D) Barium sulphate
14	For a ketone having molecular formula $C_5H_{10}O$, the number of possible metamers are :
	(A) 2 (B) 3 (C) 4 (D) 5 Bauxite is an ore of:
15	Bauxite is an ore of:
	(A) B (B) $A\ell$ (C) Mg (D) Ca
16	Which one of the following compounds will not give iodoform test:
	(A) Ethanol (B) Acetaldehyde (C) Butanone (D) 3-Pentanone
17	Which one of the following nitrogeneous base is not present in RNA:
	(A) Thiamine (B) Cytosine (C) Adenine (D) Uracil

(Academic Sessions 2015 - 2017 & 2016 - 2018)

CHEMISTRY

218-(INTER PART - II)

PAPER - II (Essay Type)

GROUP - II

Time Allowed: 2.40 hours

Maximum Marks: 68

SECTION - I

2. Write short answers to any EIGHT (8) questions :

- (i) Why is the oxidation state of noble gases usually zero?
- (ii) Why does the ionization energy decrease down the group and increase along the period?
- (iii) Why is the aqueous solution of Na_2CO_3 alkaline in nature?
- (iv) Write two reactions of preparation of borax.
- (v) What is chemical garden?
- (vi) Define semiconductors. Write its two properties.
- (vii) Write two reactions of preparation of nitrous acid.
- (viii) What is the action of heat on orthophosphoric acid? Write chemical equation also.
- (ix) Write four physical properties of sulphuric acid.
- (x) Name the four components of environment.
- (xi) What is meant by dissolved oxygen (DO) to check the quality of water?
- (xii) Write the destructive distillation of coal.

3. Write short answers to any EIGHT (8) questions :

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- (i) KMnO₄ acts as oxidizing agent, show with two examples.
- (ii) What are chelates? Give one example.
- (iii) What is the statement of Markownikov's rule? Also give example.
- (iv) What happens when vic-dihalide is treated with Zn-dust?
- (v) What happens when benzene is burnt in free supply of air? Write equation.
- (vi) Describe the best method for preparation of alkyl halides.
- (vii) How phenol can be converted into benzene?
- (viii) How does phenol react with bromine water?
 - (ix) What are aldehydes and ketones, give example?
 - (x) How formaldehyde is prepared on large scale?
- (xi) How carboxylic acid can be obtained from alkene?
- (xii) Why does mostly carboxylic acid exist as dimers?

4. Write short answers to any SIX (6) questions :

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- (i) Why is cement named as Portland cement?
- (ii) Write about digestion process for preparation of pulp.
- (iii) Define DAP. Write reaction for its preparation.
- (iv) What is difference between fat and oil?
- (v) Write note on condensation polymer.
- (vi) Define iodine number and acid number.

(Turn Over)