MTN-12-6-19

;				MTN-12-6	MTN-12-G-	
Paper	Code / /		2019 (A)	Roll No.	"	
Numb	er: 4481	INTERMEDIA	ATE PART-II (12th	CLASS)		
	MISTRY PA		OBJECTIVE	JP-I MAXIMUM MARKS	S: 13	
think i Cuttin questic	is correct, fill that ig or filling two or ons as given in ob UBBLES are not	t bubble in front of th r more bubbles will r ejective type question	nat question number. esult in zero mark in t paper and leave other	A, B, C and D. The choice which you Use marker or pen to fill the bubb that question. Attempt as many rs blank. No credit will be awarded t of OBJECTIVE PAPER.	les.	
(1)	Which statement	is incorrect?				
		s are good conductors s form positive ions.	and the second of the second o	I the metals are good conductor of he I the metals form acidic oxides.	at.	
(2)	Which of the follo	owing Sulphates is not	soluble in water?			
	(A) Sodium Sulp	hate (B) Potassium	Sulphate (C) Zinc Su	lphate (D) Barium Sulphate		
(3)		esition of Colemanite i H_2O (B) CaB_4O_7 .		,.4H ₂ O (D) CaNaB ₅ O ₉ .8H ₂ O		
(4)	Among group V.	A elements, the most e	electronegative element	is:		
	(A) Sb	(B) N	(C) P	(D) As		
(5)	The strongest act (A) HCtO	id is: (B) <i>HClO</i> ₂	(C) HClO ₃	(D) HClO,		
(6)	Coordination nu	mber of Pt in PtCE	$(NO_2)(NH_3)_4$ is:			
	:(A)· 2	(B) 4	(C) 1	(D) 6		
(?)		ollowing the one which -OH (B) CH ₃ - O	ch is alcohol. O-CH ₃ (C) CH ₃ CC	OOH (D) CH ₃ - CH ₂ - Br		
(8)	Which one of the	e following gases is us	sed for artificial ripening	g of truits?		
S 44	(A). Ethene	(B) Ethyne	(C) Methanc	(D) Propane		
(9)	Aromatic hydroc	carbons are the derivat	ives of:			
1	(A) Normal serie	es of paraffins (B) A	lkene (C) Benzene	(D) Cyclohexane		
(10)	When CO ₂ is me the product form	10000 0000 UNA 000 UNA 1000 UNA	magnesium iodide, foll	lowed by acid hydrolysis,		
1000	(A) Propane	(B) Propanoic a	cid (C) Propanal	(D) Propanol		
(11)	According to Le	wis concent others be	nave as:	Name of the last o		

(C) Catalyst

(C) Propanal

(C) Carbonic acid

(B) Both are naturally occurring

(B) The fractional distillation of crude oil

(D) The hydrolysis of proteins

(D) Both are disaccharides

(C) 6 - 200 kg

(C) Atmosphere

(D) Enzyme

(D) 2 - Hexanone

(D) Acetic acid

(D) 4 - 40 kg

(D) Biosphere

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(B) Base

Which of the following will have the highest boiling point?

(B) Oxalic acid

Which of the following is used in the manufacture of synthetic fibre?

Which one of the following statements about glucose and sucrose is incorrect?

In which of these processes are small organic molecules made into macromolecules?

(B) Ethanal

Micronutrients are required in quantity ranging from:

(B) $6 - 200 \, \text{g}$

(B) Hydrosphere

(A) Acid

(A) Methanal

(A) 4-40 g

15 44

(A) Lithosphere

(A) Formic acid

(A) Both are soluble in water

Ecosystem is the smaller unit of:

(A) The cracking of petroleum fractions (C) The polymerization of ethene

(C) Both are Carbohydrates

(12)

(13)

(14)

(16)

(17)

 $8 \times 3 = 24$

2 + 2

4

(iv) Dehydration

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(iii) $H_2N - NHC_6H_5$ (iv) 2, 4 - DNPH

		MTN-12-61-1
	2019 (A)	Roil No:
INTE	RMEDIATE PART-II (1	12th CLASS)
	NEW SCHEME) GRO	
TIME ALLOWED: 2.40 Hours		MAXIMUM MARKS: 68
NOTE: - Write same question num		answer book,
as given in the question p		•
	SECTION-1	
. Attempt any eight parts	s.	$8 \times 2 = 16$
(i) Why does ionic character	of halides decrease from left to	o right in a period?
(ii) How does Lanthanide cor	ntraction control the atomic size	es of elements of 6th and 7th periods?
		ents of mountaineers and in space craft?
(iv) How is boric acid prepare		
(v) What is effect of heat on(vi) What is Asbestos? Give		
(vii) What is Ashestos? Give (vii) Give the reactions of nitr	The state of the s	(b) Antimony
(viii) What is aqua regia? Ho		(b) Andinony
	owing compounds are heated w	with conc. H. SO. ?
	H ₅ C ₂ OH	1111 code. 11 2004 .
(x) What are macro-nutrients(xi) Give four properties of a		
(xii) State the term "Dissolved		e 11cm?
Attempt any eight part		8 × 2 = 16
		obtained by the carbonization of coal.
(ii) Write structural formulas		
(i) 3-n-Propyl-1, 4-Pen	tadiene (ii) Diviny	l acetylene
(iii) Define heat of combustic		
	-chloronitrobenzene from benz	
	t were raised on Kekule's struc	
	nagnesium chloride with water.	
	od for the preparation of simple	
ti (viii) Write structural formula:		
(x) Write the structural form	- ·	
(xi) What is zwitter ion?		(ii) Acore amyoride
	on-essential amino acids?	
Attempt any six parts		6 × 2 = 12

What are disproportionation reactions? Explain your answer with suitable example.

Describe general mechanism of base-catalyzed addition reaction of carboxyl compounds.

SECTION-II

What is smog? Explain the pollutants which are main cause of photochemical smog.

Define hybridization and explain the structure of Ethyne on the basis of hybridization. What are Friedel-Crafts alkylation? Explain by giving two examples with mechanism.

9.(a) What are Grignard reagents? How can you prepare a primary, secondary and a tertiary alcohol with the help of Grignard reagent?

(ii) But-1-ene-3-Yne

(iv) Vinyl bromide

What are hydrides? Write down their classification and the properties of the covalent hydrides. 4

Arrange these ions in order of increasing size. F^- , I^- , $C\ell^-$, B_r^-

Why does damaged tin plated iron get rusted quickly?

How will you distinguish between ethanal and propanone?

HF is weaker acid than HCl Why?

What is meant by hardening of oil?

Attempt any three questions.

(i) Isobutýlene

(iii) 2, 5-Heptadiene

Draw cyclic structure of glucose and fructose. Define acid number. What is rancidity?

Describe the preparation of NaOH by Nelson's cell.

How will you manufacture wrought iron from cast iron?

Write down structural formulae for the following compounds:

Explain following terms using ethyl alcohol as an example: (i) Esterification (ii) Ether formation (iii) Oxidation

(b) Write reaction equation for reaction of ethanal with:

(i) NH_2OH (ii) $NH_2 - NH_2$

(i)

(ii) (iii)

(iv)

(v) (vi)

(vii)

(viii)

(ix)

NOTE: -

5.(a)

(b) 6.(a)

(b) 7.(a)

(b) 8.(a)