

## **Chemistry Revision Worksheet for monthly assessment**

## **Class: 10**

## MCQ worksheet Date- 20.08.2020

## **Chapter-11(Mineral Resources: Fossils)**

| 1. | CH <sub>3</sub> -CHO + [O] → A; A is not re<br>i) pH of A is more than 7<br>ii) A prevent the growth of bacteria<br>iii) A undergo partial dissociated in which one is correct?<br>a) i & ii<br>b) ii & iii | water<br>c)  | i & iii<br>i, ii & iii                               |  |
|----|---|--------------|--|--|
| 2. | $CH_3$ - $CH = CH_2 + HBr \xrightarrow{H_2O_2} A$<br>'A' compound is –  |              |  |  |
|    | a) CH <sub>3</sub> -CH <sub>2</sub> -CHO  | c)           | CH <sub>3</sub> -CHBr-CH <sub>3</sub>                |  |
|    | b) CH <sub>3</sub> -CH <sub>2</sub> -COOH   | d)           | CH <sub>3</sub> -CH <sub>2</sub> -CH <sub>2</sub> Br |  |
| 3. | which step does anesthetic produce in reaction of chlorine with methane in deem sunlight?   |              |  |  |
|    | a) Step 1   | c)           | Step 2   |  |
|    | b) Step 3   | d)           | Step 4   |  |
| 4. | Ethyne upon hydrolysis in presence of sulfuric acid and mercuric sulphate gives—  |              |  |  |
|    | a) Ethylene   | c)           | Ethanoic acid  |  |
|    | b) Ethanal  | d)           | Ethanol  |  |
| 5. | Which one is an unsaturated hydrocarbon?  |              |  |  |
|    | a) $C_2H_6$   | c)           | $C_3H_8$   |  |
|    | b) $C_3H_6$   | d)           | $CH_4$   |  |
| 6. | Which can change the violet color of alkaline KMnO <sub>4</sub> solution?   |              |  |  |
|    | i) $C_5H_{12}$  | ii) $C_4H_8$ | iii) C <sub>3</sub> H <sub>4</sub>                   |  |
|    | Which one is correct?   |              |  |  |
|    | a) i & ii   | c)           | i & iii  |  |
|    | b) ii & iii   | d)           | i, ii & iii  |  |
| 7. | Which type of chemical substance if generally perfumed like chemical?   |              |  |  |
|    | a) Alcohol  | c)           | Aldehyde   |  |
|    | b) Ester  | d)           | Organic acid   |  |
| 8. | Monomer of PVC is –   |              |  |  |
|    | i) Polypropene  |              | iii) mono chloro ethene                              |  |
|    | ii) Vinyl chloride  |              |  |  |
|    | Which one is correct?   |              |  |  |
|    | a) i & ii   | c)           | i & iii  |  |
|    | b) ii & iii   | d)           | i, ii & iii  |  |

| For | swer the following two questions no.9 & no.10 on the increasing the price of molasses, Karu and Karu Co.              |              |                        |  |  |  |
|-----|---|--------------|------------------------|--|--|--|
|     | produced from potato to meet the demand.  Which one of the followings is possible to produce from 'Z' by dehydration? |              |                        |  |  |  |
| 7.  | a) Alkene   | -            | Alkyne                 |  |  |  |
|     | b) Aldehyde   |              | Fatty acid             |  |  |  |
| 10  |   |              |                        |  |  |  |
| 10. | The substance that is produced from the 1 <sup>st</sup> step of ox i) The preparation of fatty acid                   | aldation of  | Z is used for—         |  |  |  |
|     | ii) Producing sedative medicine   |              |                        |  |  |  |
|     | iii) Fruit preservation   |              |                        |  |  |  |
|     | Which one is correct?   |              |                        |  |  |  |
|     | a) i & ii   |              | i & iii                |  |  |  |
|     | b) ii & iii   | d)           | i, ii & iii            |  |  |  |
| 11. | What is the melting point of the isomer of ethanol?   |              |                        |  |  |  |
|     | a) -88.6 <sup>o</sup> C   | c)           | -24 <sup>0</sup> C     |  |  |  |
|     | b) -42°C  |              | -1 <sup>o</sup> C      |  |  |  |
| 12  | What is the percentage of diesel oil in petroleum?  | u)           |                        |  |  |  |
| 12. | a) 13%  | c)           | 35%                    |  |  |  |
|     | b) 20%  |              | 50%                    |  |  |  |
| 13  | How many double bonds are present in the benzene r  | ,            | 3070                   |  |  |  |
| 13. | a) 1  | c)           | 3                      |  |  |  |
|     | b) 2  | d)           |                        |  |  |  |
| 1/  | Whatis the length of the carbon chain of organic  | ,            |                        |  |  |  |
| 14. | a) C <sub>5</sub> -C <sub>6</sub>   |              | $C_6$ - $C_{11}$       |  |  |  |
|     | b) C <sub>5</sub> -C <sub>8</sub>   | d)           | $C_{11}$ - $C_{16}$    |  |  |  |
|     | 0) 05-08  | u)           | C11-C16                |  |  |  |
| 15. | What kind of compound is naphthalene?   |              |                        |  |  |  |
|     | a) Amine  | c)           | Aldehyde               |  |  |  |
|     | b) Hydrocarbon  | d)           | Carboxylic acid        |  |  |  |
| 16. | Glycerol compound-  | ,            | •                      |  |  |  |
|     | a) Aromatic   | c)           | Aldehyde               |  |  |  |
|     | b) Alcohol  | ,            | Ketone                 |  |  |  |
|     | ,   | ,            |                        |  |  |  |
| 17. | Which solution is used to identify unsaturated hydroc   |              |                        |  |  |  |
|     | a) Sodium thayosulphate   |              | Mercuric sulphate      |  |  |  |
|     | b) Potassium dichromate   |              | Potassium permanganate |  |  |  |
| 18. | What is the functional group of the main component  | of formalin  | ?                      |  |  |  |
|     | a) –CHO   | c)           | –OH                    |  |  |  |
|     | b) –COOH  | d)           | =CO                    |  |  |  |
| 19. | What amount of methane is present in formalin accor   | ding to volu | ıme?                   |  |  |  |
|     | a) 40%  | c)           | 35%                    |  |  |  |
|     | b) 37%  | d)           | 30%                    |  |  |  |
| 20. | Which hydrocarbon is the 2 <sup>nd</sup> member of alkene?  |              |                        |  |  |  |
|     | a) $C_3H_8$   | c)           | $C_3H_4$               |  |  |  |
|     | b) $C_3H_6$   | d)           | $C_2H_6$               |  |  |  |
| 21  |   |              |                        |  |  |  |
| 21. | 21. What percentage of aqueous solution of ethanol is called rectified sprit?   |              |                        |  |  |  |
|     | a) 96%  |              | 90%                    |  |  |  |
| 22  | b) 69%  | d)           | 76%                    |  |  |  |
| 22. | What is the general formula of alkyne?  |              |                        |  |  |  |

| <ul> <li>a) C<sub>n</sub>H<sub>2n</sub></li> <li>b) C<sub>n</sub>H<sub>2n-2</sub></li> <li>23. Which one is the monomer of derlin?</li> <li>a) CH<sub>2</sub>= CH-Cl</li> <li>b) CH<sub>3</sub>-COOH</li> <li>24. Which one of the following molecule has double bond?</li> <li>a) F<sub>2</sub></li> <li>b) N<sub>2</sub></li> <li>25. During the combustion which one produces less heat?</li> <li>a) CH<sub>4</sub></li> <li>b) C<sub>2</sub>H<sub>6</sub></li> </ul> | c) $C_nH_{2n+2}$<br>d) $C_nH_{2n+1}$<br>c) $CH_2=CH-CH_3$<br>d) $H-CHO$<br>c) $C_2F_6$<br>d) $C_2F_4$<br>c) $C_3H_8$<br>d) $C_4H_{12}$ |
|--|--|
| Chapter-4 (Period  | ic table)  |
| 1. What is the group number of Mg?   | ,  |
| a) 2   | c) 4   |
| b) 3   | d) 1   |
| 2. What is the position of atom with 17 electrons?   | 2, -   |
| a) 2 <sup>nd</sup> period, group-2   | c) 3 <sup>rd</sup> period, group-5   |
| b) 2 <sup>nd</sup> period, group-7   | d) 3 <sup>rd</sup> period, group-7   |
| 3. Which one is of the same period as Bromine?   | a) 5 period, group 7   |
|  | 2) 27  |
| a) 2,5   | c) 2,7   |
| b) 2,8,7   | d) 2,8,8,2   |
| 4. Which level does the last electron of Cl enters into?   |  |
| a) 1s  | c) 2s  |
| b) 3p  | d) 3d  |
| 5. Which elements valency is zero?   |  |
| a) Na  | c) Ne  |
| b) Ni  | d) Fe  |
| 6. Which of the two elements gain the electronic config  | uration of argon to form ion?  |
| a) Ca, Cl  | c) K, O  |
| b) Sc, Cl  | d) S, C  |
| 7. How many elements are recognized by IUPAC?  |  |
| a) 98  | c) 113   |
| b) 118   | d) 120   |
| 8. Which one is the element of 4 <sup>th</sup> period?   | -,   |
| a) Mg  | c) Na  |
| b) N   | d) K   |
| ,  | u) K   |
| 9. Which element has the highest ionization energy?  | a) D   |
| a) S   | c) P   |
| b) Si  | d) Al  |
| 10. Which physical condition is required for ionization en   |  |
| a) Solid   | c) Liquid  |
| b) Gaseous   | d) Plasma  |

| 11. Electronegativity of which one is maximum?      |                              |
|---|------------------------------|
| a) O  | c) N                         |
| b) S  | d) F                         |
| 12. Which reactivity series is correct?             |                              |
| a) Na>Mg>Al   | c) K <na<li< td=""></na<li<> |
| b) Al>Mg>Na   | d) Mg>Ca>Sr                  |
| 13. Which of the following is metaloid?             | ,                            |
| a) S  | c) O                         |
| b) Si   | d) Mg                        |
| 14. Hydrogen is located in group-1, because—        |                              |
| i) It forms halide like metal                       |                              |
| ii) It is electropositive                           |                              |
| iii) It forms hydride with metal                    |                              |
| Which one is correct?                               |                              |
| a) i & ii   | c) i & iii                   |
| b) ii & iii   | d) i, ii &iii                |
| 15. What is the main basis of modern periodic table | Δ?                           |
| a) Electronic configuration                         | c) Atomic mass               |
| b) Atomic number                                    | d) Relative atomic mass      |
| b) Atomic number                                    | d) Relative atomic mass      |
|   |                              |
|   |                              |
|   |                              |
|   |                              |
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|   |                              |