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| **ANNEXURE –C** | | |
| **DAV PUBLIC SCHOOLS, ODISHA ZONE** | | | | | |
| **NAME OF THE EXAM: HALF YEARLY EXAMINATION, 2023-24**  **SUBJECT : SCIENCE CLASS : IV** | | | | | |
| **MARKING SCHEME** | | | | | |
| **QSTN NO** | **VALUE POINTS** | | **MARKS ALLOTTED** | **PAGE NO. OF DAV TEXT BOOK** |
| 1 | Choose the most appropriate answer   1. (iii) Rose 2. (iv) Bitter taste 3. (iii) Arnica 4. (ii) Plants of hot and wet regions 5. (i) Increase in rainfall | | 1  1  1  1  1 | 11  04  18  26  62 |
| 2 | Fill in the blanks   1. germs 2. marsh 3. medicine 4. oxygen 5. wastage | | 1  1  1  1  1 | 06  26  18  27  63 |
| 3 | Express in one word   1. Diarrhea 2. Jackfruit 3. Terrestrial plants 4. Earth 5. Deforestation | | 1  1  1  1  1 | 06  20  25  61  62 |
| 4 | Name two of each   1. Liver , Pancreas 2. Wheat , Rice 3. Mango , Lemon , Strawberry 4. Sea, Ocean 5. Zenia, Marigold | | 0.5+0.5  0.5+0.5  0.5+0.5  0.5+0.5  0.5+0.5 | 04  28  20  61  18 |
| 5 | Answer in one sentence   1. The two main functions of roots of a plant are to absorb water and minerals from the soil (absorption) and to hold the plant upright in the soil (fixation). 2. Green leaves protect the bud and help it to bloom into a flower. 3. Ploughing is the process of digging the soil and loosening it, to make it soft by using the plough. 4. The flowers which bloom in a particular season only are called seasonal flowers. | | 0.5+0.5  1  1  1 | 11  16  28  17 |
| 6 | Give reason   1. In mangrove plants, roots do not get sufficient oxygen in the marshy areas. So some breathing roots come out of the soil to get fresh air from the atmosphere. 2. --Unwashed fruits and vegetables can carry   germs of the diseases which can cause diarrhoea, vomiting and other stomach ailments.  --Unwashed fruits and vegetables can also  carry eggs of worms. These worms live in  stomach and intestines and consume the  food meant for our body.  OR  Chappati chewed for a longer time taste sweet because it mixes with the saliva that converts insoluble starch present in the food in to soluble sugar which tastes sweet. | | 1+1  1+1  1+1 | 12  5,6  4 |
| 7 | Answer the following questions   1. Mona’s mother often tells her not to eat too many sweets and chocolates because it may lead to tooth decay and toothache 2. The utility of dams are as follows-   -- to check floods  --to preserve a large quantity of water.  --to generate hydro-electricity  --to supply water for irrigation.(Any two)  **(c)**  Cactus plant is able to grow in desert  conditions because of following reasons-  --It has soft, fleshy and green stem which  stores water.  --It has well developed roots  --Cactus has spines instead of leaves in  order to reduce the loss of water.  (Any two points)  **OR**  The conical shape of plants of hills does not  allow snow to get deposited on them. | | 1+1  1+1  1+1  2 | 3  64  26  25 |
| 8 | Answer the following questions   1. Banyan trees- The branches of banyan tree get extra support with the help of special roots called hanging roots or prop roots.These roots go downwards from the branches and fixes in the soil.   Maize- Maize plants have thin long stem which require extra support to keep them erect. The roots of the plant arise from the base of the stem and help them to support the plant.   1. i) Used as vegetables.Ex-Okra   ii) Used as dry fruits .Ex-cashewnuts  iii) Used for making pickles.Ex-Lemon  (c) The ways are  i)Turn off the tap after using it.  ii) Use a bucket and mug to take bath  instead of a shower  iii) Get the leaking pipes and taps repaired  immediately  iv) Do not keep the tap running while  brushing teeth or washing hands.  v)Water the plants with a bucket  and mug instead of a pipe  vi) Over irrigation of fields  should be checked  vii) By doing rain water harvesting.  (Any three points)  **OR**  Explanation of three factors  1.Population  2.Deforestation  3.Setting-up of factories | | 1.5+1.5  1+1+1  1+1+1  1+1+1 | 12  20  63,64  61,62 |
| 9 | Value based question  (a) - Helpfulness  - Concern for others  - love for nature  Any other relevant points   1. Weeds consume the water and   fertilizer meant for the main crops and fight for space. Hence weeds harm the growth of cultivated plants.so weeds should be removed from the fields. | | 0.5+0.5  1+1 | 28 |
| 10 | - Drawing  - Labelling different parts | | 2  2 | 1 |

**N.B-** **i) 0.25 marks should be deducted for each spelling error in the objective type questions.**

**ii) Marks should be awarded appropriately for all the relevant answers.**