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| **ANNEXURE – C**  |
| **DAV PUBLIC SCHOOLS, ODISHA ZONE** |
| **NAME OF THE EXAM-Half Yearly Examination, 2023-24** **SUBJECT- SCIENCE , CLASS : V** |
| **MARKING SCHEME** |
| **QSTN NO** | **VALUE POINTS**  | **MARKS ALLOTTED** | **PAGE NO. OF DAV TEXT BOOK** |
| 1.a |  (iii) Pivot joint | 1 | 6 |
| 1.b |  (ii) animal | 1 | 22 |
| 1.c |  (ii) Bamboo | 1 | 31 |
| 1.d |  (iv) Musk deer | 1 |  42 |
| 1.e | (i) Nitrogen | 1 | 63 |
|  2.a |  Water | 1 |  16 |
|  2.b |  Canoe  | 1 | 35 |
|  2.c |  Malnutrition  | 1 | 54 |
|  2.d |  Stapes / stirrup  | 1 | 5 |
|  2.e |  Horn | 1 |  41 |
|  3.a |  Haemoglobin | 1 |  52 |
| 3.b | Species  | 1 | 44 |
| 3.c | Vanomahotsav  | 1 | 34 |
| 3.d | Symptoms  | 1 | 55 |
| 3.e | Dehydration | 1 | 62 |
| 4.a | The average temperature of the place should be greater than 10 degree centigrade and there should be an annual rainfall of at least 200 mm. | 1 | 28 |
| 4.b | There are animals which are being killed because their body parts are used by humans. This is known as wildlife trade. Rhinoceros are killed for their horns.  | 1 | 41 |
| 4.c | Chicken pox, polio, measles , mumps (any two) | 1 | 55 |
| 4.d | Food stay fresh for longer time when stored in a refrigerator because microorganismsand enzymes get deactivated at low temperatures and hence, the spoilage of food gets prevented. | 1 | 63 |
| 5.a | In ball and socket joint, one bone which has a ball like end fits into the hollow socket of another bone.This joint provides movement of bones in all possible directions. | 1+1 | 6 |
| 5.b | 1. Easy and faster way of growing new plants. 2. Seedless plants can be grown by this method. Example – Banana  | 1+1 | 18 |
| 5.c. | Communicable diseases are the diseases which transmits from one person to another whereas non communicable diseases do not spread from person to person. Examples of communicable diseases are common cold, conjectivitis and examples of non communicable diseases are anemia, arthritis ,deficiency diseases etc. | 1+1 | 51 |
|  | **OR** |  |  |
|  | * Improper growth of the body
* Loose skin and sunkey eyes.
* Thin and light hair
* Inactive and gets tired easily (any two)
 | 1+1 | 51 |
| 6.a. | We should eat a balanced diet as it provides all kinds of nutrients at its appropriate amount required by our body to remain healthy. | 2 | 54 |
| 6.b. | As bones have channels that contain blood vessels, they also have nerves that are necessary to keep them alive.**OR**Coating of cartilage and the slippery fluid prevents bones to scratch or bump against each other. | 22 | 25 |
| 7.a. | 1. The process by which green plants prepare their food by using the raw materials like carbon dioxide and water in the presence of sunlight and chlorophyll is called photosynthesis .
2. The raw materials needed by green plants for photosynthesis are carbon dioxide from atmosphere and water from soil.
 | 1+2 | 14 |
| 7.b. | 1. Food preservation- the process of treating or handling food to stop or slow down its spoilage
2. Advantages- increases shelf life/ availability of seasonal food through out year/ decreases wastage/ adds variety to our diet/ maintains nutritive value of food ( any two)
 | 1+2 | 6263 |
|  | **OR** |  |  |
| 7.b. | The three reasons of spoilage of food are 1. Microorganisms-Tiny microorganisms like bacteria and fungi are the main cause for the spoilage of food. These organisms tend to grow fast in the presence of moisture and warmth.
2. Enzymes- Enzymes are chemicals that are present in all fruits and vegetables which speed of the chemical changes that result in the loss of flavour, colour and appearance which may result in spoiling of food products.
3. Insects worms and rats-These animals usually make their home in places that are moist and dark and where food items are available and these spoil the food.
 | 1+1+1 | 61 |
| 8. | 1. The transfer of seed from the mother plant to various other places is called seed dispersal.
2. The two agents of seed dispersal are there water, animals, birds, insects and human beings .
3. The value depicted in the above situation about nature is joy of giving. (any other valid value)
 | 1+1+1 | 20 |
| 9.a)  | 1. Do not throw polythene bags in the garbage. Stray cattle can swallow them and they may die.
2. Birds and fish should not be kept in cages and aquariums respectively as they feel trapped and die.
3. We should not use any animal product for decoration , dresses etc.
4. We should not tease or disturb stray animals or destroy the eggs of birds for fun. (any other valid points)
 | 1+1+1+1 | 44 |
| 9.b).i. | Forests are known as the lungs of the earth because just as our lungs absorb carbon dioxide from the blood and infuse it with oxygen, green plants absorb carbon dioxide during photosynthesis and in return release oxygen into the atmosphere.  | 2 | 35 |
| 9.b.ii. | National park differ from sanctuary in a way that no human activity is allowed inside the national park whereaslimited activities are permitted within the wildlife sanctuary.National parkreceives more financial support from Central Government than the wildlife sanctuaries.  | 1+1 | 33 |
| 10. | C:\Users\manda\OneDrive\Desktop\EYE.jpgDiagram of inner view of human eye with atleast 4 correct labellings. | 2 marks for diagram+2marks for 4 correct labelling  | 7 |