## Assessment Test Key
## Intorduction to Google Earth Engine & Its Application in Water Resources Sector
## 16-23 August 2021

1. Which of the following is used to query objects placed on Map canvas area of EE Code Editor??

**Ans : Inspector tab**

2. Printing out information to the console is a basic task for _____

**Ans : All of the above**

3. List of EE Object classes and associated methods can be found in _____ of Code Editor

**Ans : Docs tab**

4. Which of the following is used for creating private datasets in EE Code Editor?

**Ans : Assets tab**

5. Which of the following is true about Javascript?

**Ans : All of the above**

6. Which of the following statement prints the value 2 from ListOfNumbers = [1,2,3,4,5] in Javascript?

**Ans : print(ListOfNumbers[1]);**

7. Which of the following is false about dictionaries in javascript?

**Ans : order of key:value pairs is important in a dictionary**

8. EE Code Editor is based on which programming paradigm?

**Ans : Functional Programming**

9. Which of the following is false about EE Object Classes?

**Ans : Image is a Geometry with attributes**

10. Which EE method is used for applying a user defined function for all elements of Image/Feature collection ?

**Ans : map**

11. Which bands of Electro Magnetic Spectrum are used for calculation of NDVI?

**Ans : RED and NIR**

12. Which of the following refers to single band image/image collection object?

**Ans : SRTM DEM**

13. Visualisation parameters are passed to Map.addLayer() method in the form of _____?

**Ans : Dictionary**

14. Which of the following EE method is used for isolating bands of an Image/Image Collection?

**Ans : select**

15. Which of the following temporal reduction methods has the benefit of removing clouds from an Image Collection and returns an image?

**Ans: median**

16. In Google Earth Engine, Feature Collection is:

**Ans : Vector Data**

17. NDWI stands for?

**Ans : Normalized Difference Water Index**

18. Which Bands of Electromagnetic Spectrum are used to calculate NDWI?

**Ans : Green, NIR**

19. Google Earth Engine is a Cloud Based Computation server for_____?

**Ans : Petabyte Scaled Data**

20. What are the Benefits using Google Earth Engine for Remote Sensing Analysis?

**Ans : All Above**

21. What SRC stand for in Remote Sensing?

**Ans : Spectral Reflectance Characteristics**

22. Which Band of Sentinel 2 Image is NIR Band?

**Ans : B8**

23. What is Spatial Resolution of Landsat 8 Image?

**Ans : 30m**

24. What Method is used to get Statistical information about Image Collection/Feature collection?

**Ans : Reduce**

25. What is Appropriate Code in Earth Engine to Multiply a Constant to Multi Band Image?

**Ans : Image.multiply(constant)**

26. How to Centre the GEE map Canvas to a particular Point?

**Ans:  Map.setCenter(Point)**

27. What is the range of NDVI for Water bodies in NDVI raster image?

**Ans : -1 to 0**

28. How to add a new Attribute data for all features in Feature Collection dataset?

**Ans : Mapping a Function over Entire dataset**

29. How to merge two Feature Collection( fc1 and fc2)  Objects?

**Ans : fc1.merge(fc2)**

30. What is the hexadecimal code for the colour 'Red' in EE?

**Ans : 'ff0000'**