I Short Answer Questions:

- 1. What do you understand by the team photography?
 2. Differentiate between principal point & nadiri point. (2019-20)
- 3. Define (i) coab (ii) Drift. (2018-19)
- 4. What is photogrammetric slowey? (2017-18)
- 5. Explain the following:
 - a) Stereos copy
 - b) Relief Displacement
 - c) Pavallax
 - d) Flight Planning (2016-17)
- 6. Cive any there advantages that an aerial photograph offers over ground based observations.
- 7. How is an aerial photograph Laken? (2015-16)
- 8. List the characteristics of photographic Images. (2014-15)
- 9. Describe photogrammetry. (2014-15)
- 10. Explain Nadio Point. (2014-15)
 11. Describe Parallax Bas with a next sketch. (2014-15)

I Long Answer Questions:

- 12. Describe the function of different parts of an aerial camera with the help of a next sketch.

 Also differentiate between angle of tilt and angle of swing. (2019-20)
- 23. Derive an expression to obtain scale of a vertical photograph. A vertical photograph was taken

at an altistude of 1000 m above MSL. Detramine the scale of photograph for terrain laying at an elevations of 100 m if the focal length of the lens is 20 cm. (2019-20)

- 14. Derive parallax equations for determining clevation and ground coordinates of a point.
- 15. A section line AB appears to be 10.16 cm on a photograph for which the focal length is 16 cm, the corresponding line measures 2.54 cm on a map which is to a scale 1/50000. The transain has an average elevation of 200m above mean sea level. (alculate the flying altitude of the aircraft, above mean sea level when the photograph was taken. (2018-19)
- 16. What is filt distortion? Prove that, in a filted photograph, tilt distortion is radial from the isocentre. (2018-19)
- 17. Vertical photograph where taken from height of 3048 m, the focal length of the camera lens being 15.24 cm, if the prints were 22.86 # 22.86 cm and the overlap 60%, what was the length of the airbase? What would be the 8 cale of the print? (2018-19)
- 18. What do you understand by the team 'Aerial Photography'? Also write a short note on the factors that influence aerial photography. (2017-18)
- 19. Differentiate between "Aerial Photography" and "Aerial Photogrammetry". (2017-18)

- po. A flooded area is covered by 140 dats on a 25 dot/cm² grid on a 1:25000 vertical areaial photographs. Find the ground area flooded. (2017-18)
- 21. Desive an expression for the scale of a vertical photograph. Explain how the govound coordinates and the distances can be a brained from a vertical photograph. (2016-17)
- 22. Défine relief. Desive an expression tou the displacement due to ground relief. (2016-17)
- 23. Two consecutive photographs were taken with a camera of focal length 37.5 cm, at a height of 7200 m. The overlap was exactly half and the prints were 22.5 cm × 22.5 cm. The height was same for both the exposures and the aircraft flew on even peel with no deiff.

The ground was flat at approx. 2500 m above m.s.l. Determine the scale of the photograph and the length of the airbase. (2016-17)

- 24. How will you extract information from an aerial photograph? Explain. (2016-17)
- 25. Explain the two major uses of an aerial photograph. (2015-16)
- 26. Illustrate the fundamentals of accial photointerpretation. (2015-16)
- 27. Elaborate the relative advantages of using aerial photos and satellite images over products of conventional survey. (2015-16)
- 28. Explain in detail about the characteristics of photographic images. (2015-16)

- 19. Define the concept of flight planning with next sketch. State advantages & disadvantages of each type of avoid photograph in suspect to others. (2014-15)
 - 30. Explain how the height of a flagpole (falling on level terrain) can be calculated by measuring the length of its shadow in an aerial photo.

 (2014-15)
- 31. The air base of a storeopair of vertical photos is 4000 ft. I flying height above average ground is 8000 ft. The camera has 6 inch (152.4 mm) focal length & a 9 inch (23cm) format. What is the percent and lap? Assume that the spacing between adjacent flight strips is 8200 ft. What is the percentage side lap?