**Answer these questions**

1. Explain the process of mineral oil formation with suitable diagram and write any two applications.
2. A, B, C are endocrine glands. If A is also called master gland, B is also called emergency gland and C is called mixed gland; answer the following questions:
3. Write the name of glands.
4. What difference is seen in body of men containing more and less hormone produced by A?
5. Why B is called emergency gland?
6. If diabetes is seen in any man, which gland is not working properly?
7. Draw a ray diagram of an image formed when an object kept at a distance of 40cm form a convex lens having focal length 20cm. Write all the nature of image formed. Calculate the magnification of image.
8. Write any two difference between comets and meteors. Comets is seen after a long period of time, why?
9. How do industrial gases cause acid rain? Explain with chemical reaction with the perspective of NO, NO2 and CFCs. Mention the effects of industrial gases.
10. Pea plants with red flower (RR) and white flower (rr) are crossed pollinated firstly and then self-pollinated. What will be the color of flower at first and second generation? Why? Write with necessary chart.