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- Notes :
1. All questions carry equal marks.
  2. Answer **five** questions.
  3. Due credit will be given to neatness and adequate dimensions.
  4. Illustrate your answers wherever necessary with the help of neat sketches.
  5. Use of a non-programmable calculator is permissible.
  6. Assume suitable data wherever necessary.
  7. Use of slide rule, Logarithmic Tables, Steam Tables, Mollier's Chart, Drawing Instruments, Thermodynamic tables for moist air, Psychometric Charts and Refrigeration charts is permitted.

1. a) What is Human Factor? What are 3 interrelated aspects important in Human factor? **4**
- b) What Human Factor psychologists do? In which areas they can specialize? **4**
- c) Write in brief about basic Sensory system. **8**

**OR**

2. a) Define term Human factor engineering. Mention the application of Human factor engineering. **8**
- b) Explain "The Human Factor approach to design". **4**
- c) Write short note on olfactory system. **4**
3. a) Write short note on directive principles of state policy. **8**
- b) Explain in detail fundamental rights. **8**

**OR**

4. a) Define bill. Give process of how bill becomes act. **8**
- b) Difference between Loksabha & Rajyasabha. **8**
5. a) Write in brief function of Parliament. **8**
- b) Write in detail about how president of India is elected and what are the function & powers of President? **8**
6. a) Write major features of constitution of India. **8**

- b) Write Short note :  
 a) Ordinary bill 4  
 b) Money bill 4
7. a) What is HFACS? Explain briefly its level. 8  
 b) Define the term “Return To Scale”. Explain in brief its 3 types. 8
- OR**
8. a) Write in brief function of Central Bank. 8  
 b) What is GST Write its advantages. 4  
 c) Write Short Note on Types of Partner. 4
9. a) Discuss the 7 basic issues of Indian Economy. 8  
 b) Difference between developed & underdeveloped eco in tabular form. 8
- OR**
10. a) Explain in detail important documents used in formation of company. 8  
 b) Write short note on Human development Index. 8

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