

B.E. / B.Tech. Electrical (Electronics & Power) Engineering (Model Curriculum) Semester-V
TE103A - Human Behavior and Social Science

P. Pages : 2

Time : Three Hours



GUG/W/24/13865

Max. Marks : 80

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- Notes :
1. All questions carry equal marks.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Assume suitable data wherever necessary.
 4. Illustrate your answers wherever necessary with the help of neat sketches.
 5. Use of slide rule, Logarithmic tables, Steam tables, Mollier's chart, Drawing instruments, Thermodynamic tables for moist air, Psychrometric charts and Refrigeration charts is permitted.

1. a) What is Human factor Psychology? Give reasons to study human factor psychology. 8
- b) How to successfully integrate human factor engineering? Explain 8

OR

2. a) Discuss with suitable diagram User Interface in Human factor Engineering. 8
- b) What are the Dirty Dozen factors that may lead to consequences in Aviation? 8
3. a) Explain in detail Fundamental / rights. 8
- b) Explain significance of phrase: "WE, THE PEOPLE OF INDIA" in constitution. 8

OR

4. a) Write major feature of Constitution of India. 8
- b) Write in brief about "Authority of Constitution". 8
5. a) What is Parliament? Explain its functions. 8
- b) Explain about opposition in Parliament. What are the roles & responsibilities of them? 8

OR

6. a) Define Bill. Explain types of Bill in detail. 8
- b) Give pictorial representation of how bill becomes an ACT in 1st house and 2nd House. 8
7. a) What is HFACS Framework? Discuss about factors comes under "Precondition for unsafe acts". 8
- b) What is Corporate Society? Write its features, merits and Demerits. 8

OR

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| 8. | a) | What is Commercial bank? Explain its functions. | 8 |
| | b) | Write short note on: | 8 |
| | i) | Components of GST. | |
| | ii) | E-way bill and E-invoicing. | |
| 9. | a) | Discuss the 7 basic issues of Indian Economy. | 8 |
| | b) | Explain in brief key Indicators of Economic Development. | 8 |

OR

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| 10. | a) | What are the methods of calculating GDP? Explain each. | 8 |
| | b) | Differentiate: Economic Growth and Economic development. | 8 |
