

SSIT POLYTECHNIC, KALAKAD, MAYURBHANJ

3RD SEMESTER 1ST INTERNAL EXAMINATION 2023-2024 (WINTER)

SUB: - ENGINEERING MATERIAL

BRANCH:-MECHANICAL/MECHANICAL (I.I)

FULLMARK-20

TIME - 1 HOUR

1. Answer all Question Given Below :(Any 5) (2x5= 10)

- (a) Define Ferrous & Non Ferrous Metal?
- (b) Mention two characteristics of ferrous materials?
- (c) Define steel & Cast iron?
- (d) Mention Formula of Degree of Freedom?
- (e) Define Heat Treatment?
- (f) Write down application of ferrous material?
- (g) Write down example of Non Metal & Non Metal?

2. Answer all question given below :(Any2) (5x2=10)

- (a) Kindly explain properly Mechanical property of Engineering Material?
- (b) Describe all process of Heat Treatment?

Or

- (c) Kindly draw the Fe-C Diagram along with explanation?