

B. Construction Engineering 4th year 1st semester Examination – 2024
Subject: Fabrication Technology (Hons)

Time : Three hours

Full Marks: 100

Part-. I(Full Marks-50)
Use separate Answer Sheet for Each Part

Answer all the questions

$$(3+5+5+2) + 3 = 18$$

1. A) Define welding process. Give the names of welding processes undertaken in real life practice. Discuss the advantages and disadvantages of Metal arc welding process. Mention the areas where Metal arc welding is used.

B) Why welding process has become popular despite the presence of other methods like riveting and nut/ bolt jointing etc?

$$6+10=16$$

2. A) Give a neat sketch showing the different components of Arc welding.

B) Draw the conventional symbols as used in welding drawings for field applications.

3 A) Show through sketches ONLY the weld positions. $6 + (5+5) = 16$

B) What are the welding defects normally encountered during welding? Also mention the causes for each defect.

[Turn over

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Part-II(Full Marks-50)

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Answer Any ten questions [10×5=50]

1. What is fabrication technology?
2. Differentiate in between Fabrication Work Manufacturing Process?
3. Draw a flow chart of Fabrication process.
4. Write a short note on Welding.
5. Write a short note on Shouldering.
6. Write short notes on Brazing.
7. Write and draw the different parts of Rivet.
8. Write the name of different types of Rivets.
9. Write the name of different type of Rivet joint
10. Write a short note on bolted Joint.
11. Write a short note on welded Joint.
12. Write a shot notes Ultrasound test on Steel structures.
13. Write a short note on DP Test