

May 2022

Paper Pattern - 'C' SCHEME

Q1. Solve any Four out of Six.

1(a) Differentiate between Hot working and Cold working. - Module No.3 | (5 Marks)

1(b) Discuss the different types of flames in gas welding. - Module No.2 | (5 Marks)

1(c) Explain gear hobbing process. - Module No.4 | (5 Marks)

1(d) Explain Internet of Things. - Module No.6 | (5 Marks)

1(e) Discuss electric discharge machining. - Module No.5 | (5 Marks)

1(f) Classify Production Processes. - Module No.1 | (5 Marks)

Q2. Attempt All the Questions.

2(a) In a cutting test with 0.3mm flank wear as tool failure criterion, a tool life of 10 min was obtained at a cutting velocity of 20 m/min taking tool life exponent as 0.25, tool life in min at 40 m/min find cutting velocity. - Module No.4 | (8 Marks)

2(b) Draw and explain plunger type injection moulding process with its advantages, Limitations and applications. – Module No.1 | (12 Marks)

Q3. Attempt All the Questions.

3(a) Explain working, advantages and limitations of laser beam machining. – Module No.5 | (10 Marks)

3(b) Draw and explain significance of various elements of gating system in sand casting. – Module No.1 | (10 Marks)

Q4. Attempt All the Questions.

4(a) Draw and explain in brief the various welding defects their causes and remedies. – Module No.2 | (10 Marks)

4(b) Draw and explain various operations perform on lathe machine. – Module No.4 | (10 Marks)

Q5. Attempt All the Questions.

5(a) Differentiate between TIG and MIG welding – Module No.2 | (10 Marks)

5(b) Draw and explain in brief the various rolling defects their causes and remedies. – Module No.3 | (10 Marks)

Q6. Write short notes on (Any four).

6(a) Various pattern allowances. – Module No.1 |
(5 Marks)

6(b) Various steps involved in powder metallurgy. –
Module No.6 | (5 Marks)

6(c) Knee type horizontal milling machine. – Module
No.4 | (5 Marks)

6(d) Open die and Closed die forging. – Module No.3 |
(5 Marks)

6(e) Investment Casting. – Module No.1 | (5 Marks)

6(f) Cloud manufacturing. – Module No.6 | (5 Marks)



May-2022 (Marks/Question Distribution)

Question Module	Q1	Q2	Q3	Q4	Q5	Q6	TOTAL Marks	T. Question
MODULE- 1	5	12	10			10	37	5
MODULE- 2	5			10	10		25	3
MODULE- 3	5				10	5	20	3
MODULE- 4	5	8		10		5	28	4
MODULE- 5	5		10				15	2
MODULE- 6	5					10	15	3
Total Marks	30	20	20	20	20	30	140	20

Dec 2022

Paper Pattern - 'C' SCHEME

Q1. Attempt All the Questions.

- 1(a) - Module No. | (5-10 Marks)
- 1(b) - Module No. | (5-10 Marks)
- 1(c) - Module No. | (5-10 Marks)
- 1(d) - Module No. | (5-10 Marks)

Q2. Attempt All the Questions.

- 2(a) - Module No. | (5-10 Marks)
- 2(b) - Module No. | (5-10 Marks)
- 2(c) - Module No. | (5-10 Marks)
- 2(d) - Module No. | (5-10 Marks)

Q3. Attempt All the Questions.

- 3(a) - Module No. | (5-10 Marks)
- 3(b) - Module No. | (5-10 Marks)
- 3(c) - Module No. | (5-10 Marks)
- 3(d) - Module No. | (5-10 Marks)

Q4. Attempt All the Questions.

- 4(a) - Module No. | (5-10 Marks)
- 4(b) - Module No. | (5-10 Marks)
- 4(c) - Module No. | (5-10 Marks)

4(d) - Module No. | (5-10 Marks)

Q5. Attempt All the Questions.

5(a) - Module No. | (5-10 Marks)

5(b) - Module No. | (5-10 Marks)

5(c) - Module No. | (5-10 Marks)

5(d) - Module No. | (5-10 Marks)

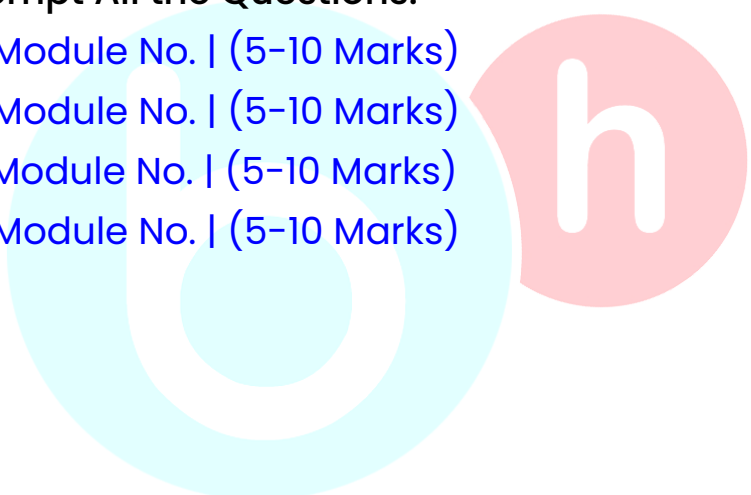
Q6. Attempt All the Questions.

6(a) - Module No. | (5-10 Marks)

6(b) - Module No. | (5-10 Marks)

6(c) - Module No. | (5-10 Marks)

6(d) - Module No. | (5-10 Marks)



Dec-2022 (Marks/Question Distribution)

Question Module	Q1	Q2	Q3	Q4	Q5	Q6	TOTAL Marks	T. Question
MODULE- 1								
MODULE- 2								
MODULE- 3								
MODULE- 4								
MODULE- 5								
MODULE- 6								
Total Marks								

May 2023

Paper Pattern - 'C' SCHEME

Q1. Attempt All the Questions.

- 1(a) - Module No. | (5-10 Marks)
- 1(b) - Module No. | (5-10 Marks)
- 1(c) - Module No. | (5-10 Marks)
- 1(d) - Module No. | (5-10 Marks)

Q2. Attempt All the Questions.

- 2(a) - Module No. | (5-10 Marks)
- 2(b) - Module No. | (5-10 Marks)
- 2(c) - Module No. | (5-10 Marks)
- 2(d) - Module No. | (5-10 Marks)

Q3. Attempt All the Questions.

- 3(a) - Module No. | (5-10 Marks)
- 3(b) - Module No. | (5-10 Marks)
- 3(c) - Module No. | (5-10 Marks)
- 3(d) - Module No. | (5-10 Marks)

Q4. Attempt All the Questions.

- 4(a) - Module No. | (5-10 Marks)
- 4(b) - Module No. | (5-10 Marks)
- 4(c) - Module No. | (5-10 Marks)

4(d) - Module No. | (5-10 Marks)

Q5. Attempt All the Questions.

5(a) - Module No. | (5-10 Marks)

5(b) - Module No. | (5-10 Marks)

5(c) - Module No. | (5-10 Marks)

5(d) - Module No. | (5-10 Marks)

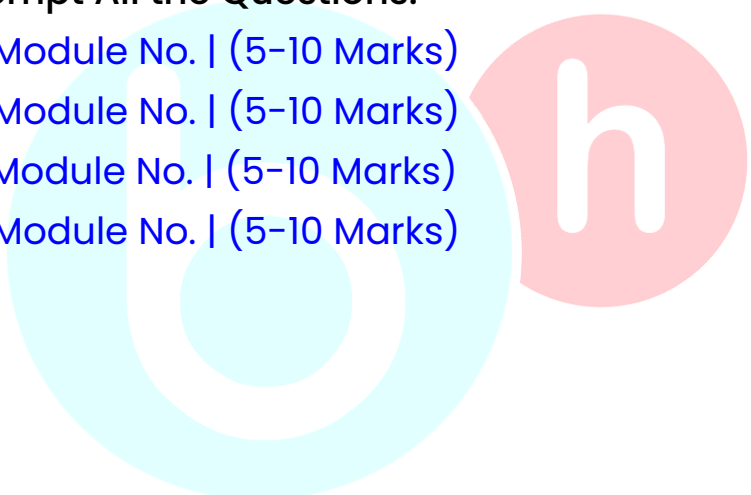
Q6. Attempt All the Questions.

6(a) - Module No. | (5-10 Marks)

6(b) - Module No. | (5-10 Marks)

6(c) - Module No. | (5-10 Marks)

6(d) - Module No. | (5-10 Marks)



May-2023 (Marks/Question Distribution)

Question Module	Q1	Q2	Q3	Q4	Q5	Q6	TOTAL Marks	T. Question
MODULE- 1								
MODULE- 2								
MODULE- 3								
MODULE- 4								
MODULE- 5								
MODULE- 6								
Total Marks								

Dec 2021

Paper Pattern - 'C' SCHEME

Q1. Attempt All the Questions.

- 1(a) - Module No. | (5-10 Marks)
- 1(b) - Module No. | (5-10 Marks)
- 1(c) - Module No. | (5-10 Marks)
- 1(d) - Module No. | (5-10 Marks)

Q2. Attempt All the Questions.

- 2(a) - Module No. | (5-10 Marks)
- 2(b) - Module No. | (5-10 Marks)
- 2(c) - Module No. | (5-10 Marks)
- 2(d) - Module No. | (5-10 Marks)

Q3. Attempt All the Questions.

- 3(a) - Module No. | (5-10 Marks)
- 3(b) - Module No. | (5-10 Marks)
- 3(c) - Module No. | (5-10 Marks)
- 3(d) - Module No. | (5-10 Marks)

Q4. Attempt All the Questions.

- 4(a) - Module No. | (5-10 Marks)
- 4(b) - Module No. | (5-10 Marks)
- 4(c) - Module No. | (5-10 Marks)

4(d) - Module No. | (5-10 Marks)

Q5. Attempt All the Questions.

5(a) - Module No. | (5-10 Marks)

5(b) - Module No. | (5-10 Marks)

5(c) - Module No. | (5-10 Marks)

5(d) - Module No. | (5-10 Marks)

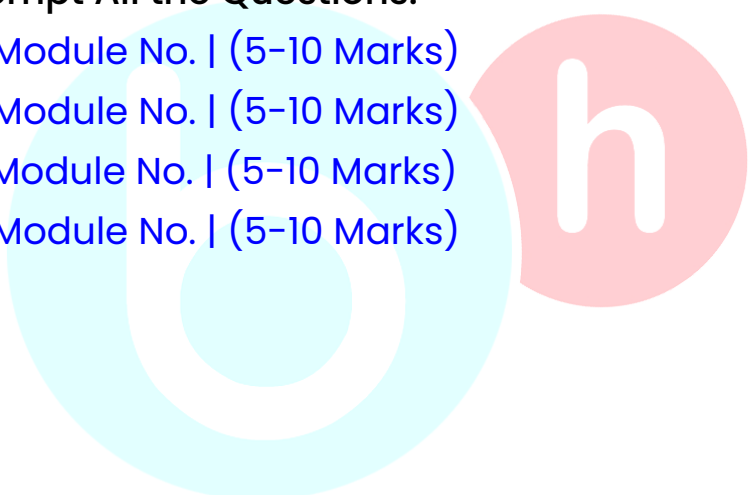
Q6. Attempt All the Questions.

6(a) - Module No. | (5-10 Marks)

6(b) - Module No. | (5-10 Marks)

6(c) - Module No. | (5-10 Marks)

6(d) - Module No. | (5-10 Marks)



Dec-2021 (Marks/Question Distribution)

Question Module	Q1	Q2	Q3	Q4	Q5	Q6	TOTAL Marks	T. Question
MODULE- 1								
MODULE- 2								
MODULE- 3								
MODULE- 4								
MODULE- 5								
MODULE- 6								
Total Marks								

Module weightage (Every Question Papers)

Module No.	May - 2021		Dec - 2022		May - 2022		Dec - 2022	
	M	Q	M	Q	M	Q	M	Q
M-1								
M-2								
M-3								
M-4								
M-5								
M-6								
TOTAL								

Module No.	May - 2023		Dec - 2023		AVG Marks	Priority
	M	Q	M	Q		
M-1						
M-2						
M-3						
M-4						
M-5						
M-6						
TOTAL						