

Code No: 54041

Set No. 1

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

II B.Tech. II Sem., II Mid-Term Examinations, April – 2014

AIRCRAFT PRODUCTION TECHNOLOGY

Objective Exam

Name: _____ **Hall Ticket No.**

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. The purpose of jigs and fixtures is to []
A. Facilitate interchangeability and increase machining accuracy
B. Increase expenditure on quality control
C. Heating
D. Dividing
2. _____ are used to access both sides of a sheet assembly or structure is not possible or practical. []
A. Blind rivets B. semi tubular C. nuts and bolts D. flush head rivets
3. The following is a NDT method which does not require job preparation []
A. LPT B. MPT C. ultrasonic D. Fluorescent penetrate testing
4. Major load carrying parts are located on assembly jigs by []
A. Tooling holes B. Jigging hole C. Coordinating holes D. contour holes
5. The following is a type of mechanical unconventional machining []
A. USM B. ECM C. EBM D. EDM
6. Electrolysis process is used in the following type of unconventional machining []
A. LASER B. Plasma arc C. ECM D. Ultrasonic
7. A mathematical definition of the external and internal contours of the airframe components stored in suitable computer files []
A. Theoretical loft B. Engineering loft C. Assembly D. Numerical loft
8. Carbonitriding means is a []
A. Coating B. heat treatment C. Machining D. automizing
9. _____ is a method of introducing carbon into solid iron base alloys such as low carbon steels in order to produce hard case. []
A. Annealing B. Quenching C. Dipping D. Carburizing
10. The following process is not a metallic coating process []
A. Facing B. Spaying C. Cladding D. oxide coating

Cont.....2

II Fill in the blanks:

11. Hi-Lok fasteners is basically a high strength fastener which combines features of a _____
12. Mock-up is first designed to build the fixtures ensuring the contours and the _____ form of the structure
13. DMAIC in six sigma quality means define, measure, analyse, _____ and _____.
14. According to the type of access ultrasonic is divided into _____ and _____.
15. Abrasive jet machining is where directs a stream of fine abrasive particles, mixed with a _____ air or any other gas at high pressure
16. In Plasma gases heated to temperature at around _____
17. In Quality circle a group of 10-12 people setting together to discusses the problems and methods to improve _____ of a firm or organization.
18. Developer is used _____
19. Name any three types of basic tools used in a/c assembly _____, _____, and _____
20. Heat treatment of steels which increases hardness by quenching and tempering is known as _____

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Set No. 2

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AIRCRAFT PRODUCTION TECHNOLOGY

Objective Exam

Name: _____ **Hall Ticket No.**

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Major load carrying parts are located on assembly jigs by []
A. Tooling holes B. Jigging hole C. Coordinating holes D. contour holes
2. The following is a type of mechanical unconventional machining []
A. USM B. ECM C. EBM D. EDM
3. Electrolysis process is used in the following type of unconventional machining []
A. LASER B. Plasma arc C. ECM D. Ultrasonic
4. A mathematical definition of the external and internal contours of the airframe components stored in suitable computer files []
A. Theoretical loft B. Engineering loft C. Assembly D. Numerical loft
5. Carbonitriding means is a []
A. Coating B. heat treatment C. Machining D. automizing
6. _____ is a method of introducing carbon into solid iron base alloys such as low carbon steels in order to produce hard case. []
A. Annealing B. Quenching C. Dipping D. Carburizing
7. The following process is not a metallic coating process []
A. Facing B. Spaying C. Cladding D. oxide coating
8. The purpose of jigs and fixtures is to []
A. Facilitate interchangeability and increase machining accuracy
B. Increase expenditure on quality control
C. Heating
D. Dividing
9. _____ are used to access both sides of a sheet assembly or structure is not possible or practical. []
A. Blind rivets B. semi tubular C. nuts and bolts D. flush head rivets
10. The following is a NDT method which does not require job preparation []
A. LPT B. MPT C. ultrasonic D. Fluorescent penetrate testing

Cont.....2

II Fill in the blanks:

11. According to the type of access ultrasonic is divided into _____ and _____.
12. Abrasive jet machining is where directs a stream of fine abrasive particles, mixed with a _____ air or any other gas at high pressure
13. In Plasma gases heated to temperature at around _____
14. In Quality circle a group of 10-12 people setting together to discusses the problems and methods to improve _____ of a firm or organization.
15. Developer is used _____
16. Name any three types of basic tools used in a/c assembly _____, _____, and _____
17. Heat treatment of steels which increases hardness by quenching and tempering is known as _____
18. Hi-Lok fasteners is basically a high strength fastener which combines features of a _____
19. Mock-up is first designed to build the fixtures ensuring the contours and the _____ form of the structure
20. DMAIC in six sigma quality means define, measure, analyse, _____ and _____.

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Set No. 3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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AIRCRAFT PRODUCTION TECHNOLOGY

Objective Exam

Name: _____ Hall Ticket No.

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Electrolysis process is used in the following type of unconventional machining []
A. LASER B. Plasma arc C. ECM D. Ultrasonic
2. A mathematical definition of the external and internal contours of the airframe components stored in suitable computer files []
A. Theoretical loft B. Engineering loft C. Assembly D. Numerical loft
3. Carbonitriding means is a []
A. Coating B. heat treatment C. Machining D. automizing
4. _____ is a method of introducing carbon into solid iron base alloys such as low carbon steels in order to produce hard case. []
A. Annealing B. Quenching C. Dipping D. Carburizing
5. The following process is not a metallic coating process []
A. Facing B. Spaying C. Cladding D. oxide coating
6. The purpose of jigs and fixtures is to []
A. Facilitate interchangeability and increase machining accuracy
B. Increase expenditure on quality control
C. Heating
D. Dividing
7. _____ are used to access both sides of a sheet assembly or structure is not possible or practical. []
A. Blind rivets B. semi tubular C. nuts and bolts D. flush head rivets
8. The following is a NDT method which does not require job preparation []
A. LPT B. MPT C. ultrasonic D. Fluorescent penetrate testing
9. Major load carrying parts are located on assembly jigs by []
A. Tooling holes B. Jigging hole C. Coordinating holes D. contour holes
10. The following is a type of mechanical unconventional machining []
A. USM B. ECM C. EBM D. EDM

Cont.....2

II Fill in the blanks:

11. In Plasma gases heated to temperature at around _____
12. In Quality circle a group of 10-12 people setting together to discuss the problems and methods to improve _____ of a firm or organization.
13. Developer is used _____
14. Name any three types of basic tools used in a/c assembly _____, _____, and _____
15. Heat treatment of steels which increases hardness by quenching and tempering is known as _____
16. Hi-Lok fasteners is basically a high strength fastener which combines features of a _____
17. Mock-up is first designed to build the fixtures ensuring the contours and the _____ form of the structure
18. DMAIC in six sigma quality means define, measure, analyse, _____ and _____.
19. According to the type of access ultrasonic is divided into _____ and _____.
20. Abrasive jet machining is where directs a stream of fine abrasive particles, mixed with a _____ air or any other gas at high pressure

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Set No. 4

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Name: _____ **Hall Ticket No.**

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Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

1. Carbonitriding means is a []
A. Coating B. heat treatment C. Machining D. automizing
2. _____ is a method of introducing carbon into solid iron base alloys such as low carbon steels in order to produce hard case. []
A. Annealing B. Quenching C. Dipping D. Carburizing
3. The following process is not a metallic coating process []
A. Facing B. Spaying C. Cladding D. oxide coating
4. The purpose of jigs and fixtures is to []
A. Facilitate interchangeability and increase machining accuracy
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A. USM B. ECM C. EBM D. EDM
9. Electrolysis process is used in the following type of unconventional machining []
A. LASER B. Plasma arc C. ECM D. Ultrasonic
10. A mathematical definition of the external and internal contours of the airframe components stored in suitable computer files []
A. Theoretical loft B. Engineering loft C. Assembly D. Numerical loft

Cont.....2

II Fill in the blanks:

11. Developer is used _____
12. Name any three types of basic tools used in a/c assembly _____, _____, and _____
13. Heat treatment of steels which increases hardness by quenching and tempering is known as _____
14. Hi-Lok fasteners is basically a high strength fastener which combines features of a _____
15. Mock-up is first designed to build the fixtures ensuring the contours and the _____ form of the structure
16. DMAIC in six sigma quality means define, measure, analyse, _____ and _____.
17. According to the type of access ultrasonic is divided into _____ and _____.
18. Abrasive jet machining is where directs a stream of fine abrasive particles, mixed with a _____ air or any other gas at high pressure
19. In Plasma gases heated to temperature at around _____
20. In Quality circle a group of 10-12 people setting together to discuss the problems and methods to improve _____ of a firm or organization.