



University of Abbes Laghrou - Khenchela
Faculty of Life and Natural Sciences
Department of Agronomy



Exam correction
Agricultural Machinery

3rd Year Bachelor Plant Production

21/01/2026

Question I: Multiple choice questions, encircle the correct answer (15 pts)

- 1- Which of the following farming is a replacement of human and animal power by mechanical power for different farm operation?
A- Mechanized farming **X (1pt)**
B- Mixed farming
C- Both of these
D- None of these
- 2- In four-stroke cycle engine, one power stroke is obtained after every:
A- Half revolution of crankshaft
B- One revolution of crankshaft
C- Two revolution of crankshaft **X (1pt)**
D- Three revolution of crankshaft
- 3- The diesel engine used on tractors are:
A- One-stroke engine
B- Two-stroke engine
C- Four-stroke engine **X (1pt)**
E- None of these
- 4- The injector and fuel pump are the heart of:
A- Diesel engine **X (1pt)**
B- Steam engine
C- Petrol engine
D- Gas engine
- 5- The firing order of 4-stroke 4-cylinder engine is:
A- 1-3 & 2-4
B- 1-3 & 4-2 **X (1pt)**
C- 1-4 & 3-2
D- 1-2 & 3-4
- 6- A machine used for cutting of cereal crop:
A- Reaper **X (1pt)**
B- Combines
C- Mower
D- Windrower
- 7- The combine harvester is a machine designed for:
A- Harvesting crops
B- Threshing of harvested crop
C- Separation and cleaning of harvested crop
D- All are correct **X (1pt)**
- 8- The term harvesting is associated with:
A- Cutting of crop
B- Picking of pods
C- Plucking and digging
D- All are correct **X (1pt)**

- 9- The size of seed drill is expressed by:
 A- Length and width of machine
 B- Area covered per unit time
 C- Number of furrow opener x spacing between two furrow openers X **(1pt)**
 D- All are correct
- 10- Planters are used for sowing:
 A- Small seeds
 B- Bolder seeds X **(1pt)**
 C- Seedlings
 D- Plants
- 11- The procedure of testing seed drill for correct seed rate is:
 A- Metering
 B- Calibration X **(1pt)**
 C- Calculation
 D- None of these
- 12- The function of seed drill is :
 A- To carry seeds
 B- To meter seeds
 C- To deposit seeds in furrow
 D- All are correct X **(1pt)**
- 13- Which of the following is not a tractor drawn primary tillage tool?
 A- Disc plough
 B- Rotavator
 C- Country plough X **(1pt)**
 D- Bar harrow
- 14- Which one of the following is not a secondary tillage tool?
 A- Disc plough
 B- Disc harrow
 C- Mould board X **(1pt)**
 D- None of these
- 15- The main objective of tillage is:
 A- Loosening soil
 B- Breaking compact earth surface
 C- Improve aeration of soil
 D- All are correct X **(1pt)**

Question II: Complete the following table (05 pts)

Function	Equipment
Turning and loosening soil	Plows (1pt)
Applying pesticides and herbicides (1pt)	Sprayers
Compressing crops into bales	Balers (1pt)
Sowing seeds uniformly (1pt)	Seeders
Harvesting grains	Combine Harvesters (1pt)