

## ITI Machinist 1st Year Module 10 Grinding & Surface Grinding

(1). What type of abrasives is used for grinding of tough materials?

- (A) Brown aluminium oxide
- (B) Green silicon oxide
- (C) Aluminium oxide
- (D) Silicon carbide

Correct Answer : A

(2). Which part is used to give the cross feed ?

- (A) Base
- (B) Column
- (C) Wheel head
- (D) Saddle

Correct Answer : D

(3). What is the following symbol finest surface?

- (A) ~
- (B) ▽
- (C) ▽▽
- (D) ▽▽▽▽

Correct Answer : D

(4). What is 'H' denotes in grinding wheel marking of 'A60H5V8'?

- (A) Grade
- (B) Structure
- (C) Grain size
- (D) Type of abrasive

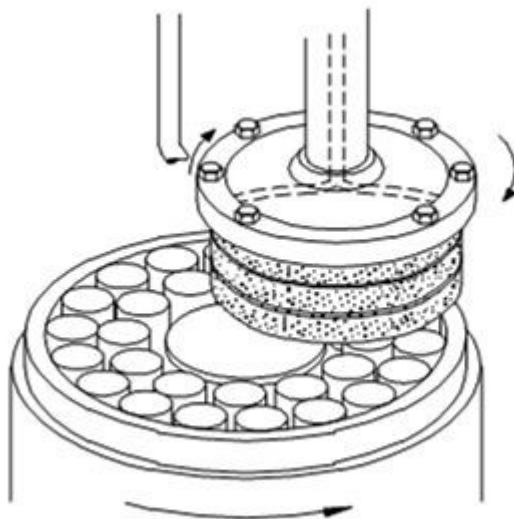
Correct Answer : A

(5). What type of natural abrasive contains aluminium oxide and other impurities?

- (A) Emery
- (B) Diamond
- (C) Sand stone
- (D) Corundum

Correct Answer : A

(6). What is the name of the grinding machine?

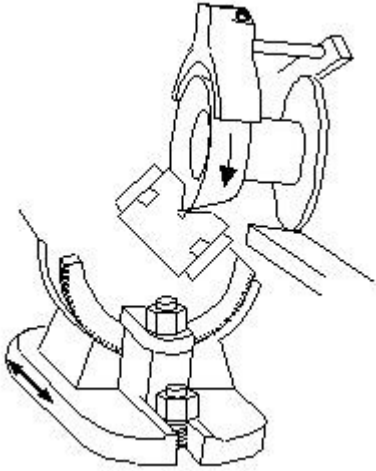


- (A) Vertical spindle rotary table
- (B) Horizontal spindle rotary table

- (C) Vertical spindle reciprocating table
- (D) Horizontal spindle reciprocating table

Correct Answer : A

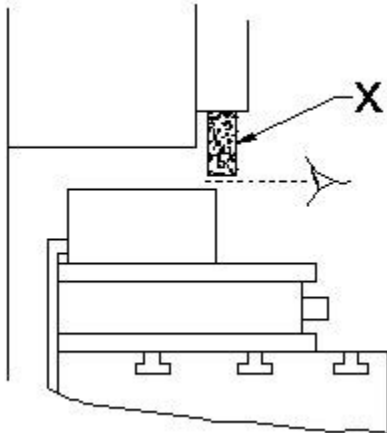
(7). What is the operation given in figure?



- (A) Grinding dovetail
- (B) Grinding parallel
- (C) Grinding V-block
- (D) Grinding slot

Correct Answer : C

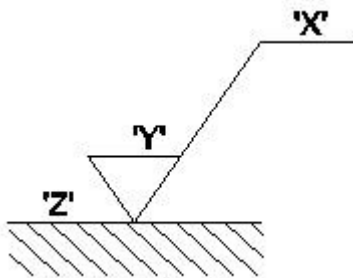
(8). What is marked 'X' in given figure?



- (A) Grinding wheel
- (B) Work piece
- (C) Machine table
- (D) Magnetic chuck

Correct Answer : A

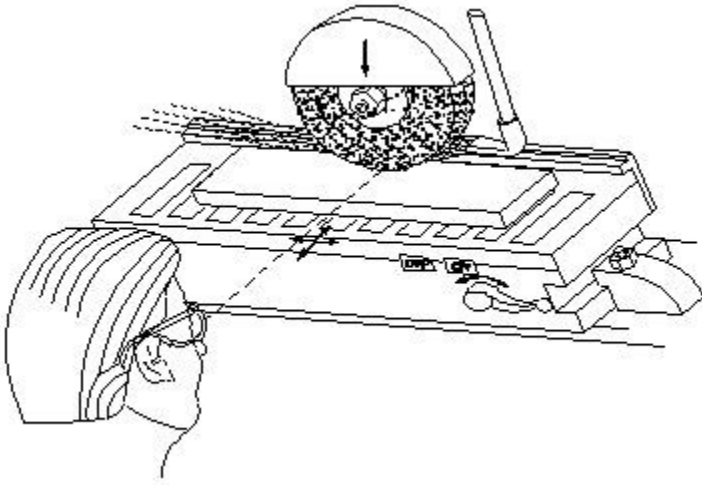
(9). What is X,Y,Z indicates respectively in the given figure?



- (A) Revalue, Allowance, production method
- (B) Production method, revalue, allowance
- (C) Allowance, production method, revalue
- (D) Allowance, revalue, production method

Correct Answer : B

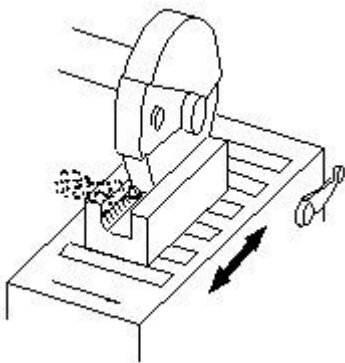
(10). What is the surface grinding operation in given figure?



- (A) Grinding flow face
- (B) Grinding vertical face
- (C) Grinding slot
- (D) Grinding round face

Correct Answer : A

(11). What is the operation shown in figure?



- (A) Grinding slot
- (B) Grinding V-block

- (C) Grinding dovetail
- (D) Grinding flat

Correct Answer : A

(12). Which abrasive wheel are used to grinding carbide tipped tool?

- (A) Aluminium carbide
- (B) White Aluminium carbide
- (C) Silicon carbide
- (D) Green Silicon carbide

Correct Answer : D

(13). Which part of the surface grinding machine reciprocates along the guideways to provide longitudinal feed to the work?

- (A) Base
- (B) Table
- (C) Saddle
- (D) Wheel head

Correct Answer : B

(14). Which type of dresser is used in tool and cutter grinder?

- (A) Diamond dresser
- (B) Abrasive dresser
- (C) Star and disc dresser
- (D) Lock disc dresser

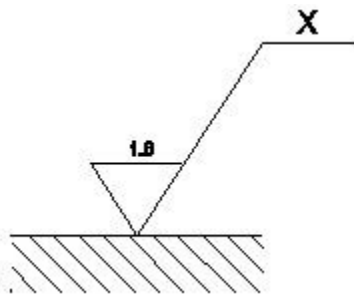
Correct Answer : B

(15). What type of natural abrasives contains 95% of natural aluminium oxide and remaining impurities?

- (A) Emery
- (B) Diamond
- (C) Sand stone
- (D) Corundum

Correct Answer : D

(16). What does the letter 'X' denote?



- (A) Sampling length
- (B) Roughness value
- (C) Production method
- (D) Machining allowance

Correct Answer : C

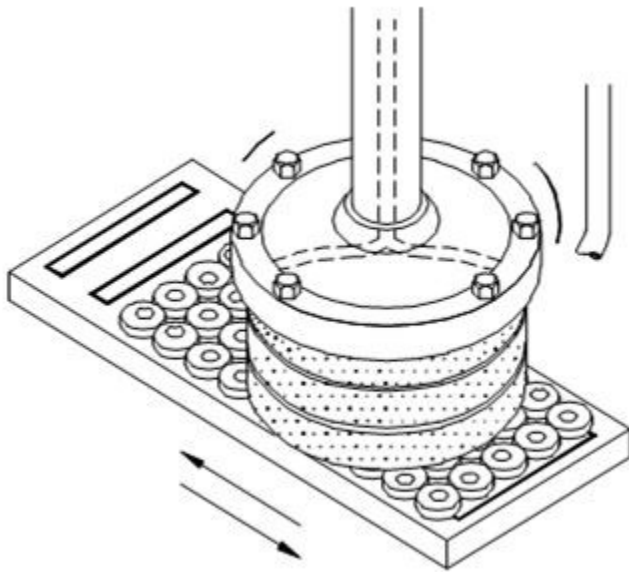
(17). Which part of the surface grinding machine mounted on the column and it can be moved vertically up and down?

- (A) Base
- (B) Table
- (C) Saddle

(D) Wheel head

Correct Answer : D

(18). What is the name of the surface grinding machine?



(A) Vertical spindle rotary table

(B) Vertical spindle reciprocating table

(C) Horizontal spindle and rotary table

(D) Horizontal spindle and reciprocating table

Correct Answer : B

(19). Which terms decides the size of abrasive particles?

(A) Grade

(B) Grit

(C) Bond

(D) Abrasive



Correct Answer : B

(20). How many roughness grade number are used ?

- (A) N1 To N12
- (B) N1 To N20
- (C) N1 To N10
- (D) N1 To 15

Correct Answer : A

(21). What type of natural abrasives are crushed to produce abrasive grains for making the grinding wheels and lapping compound?

- (A) Emery
- (B) Diamond
- (C) Sand stone
- (D) Corundum

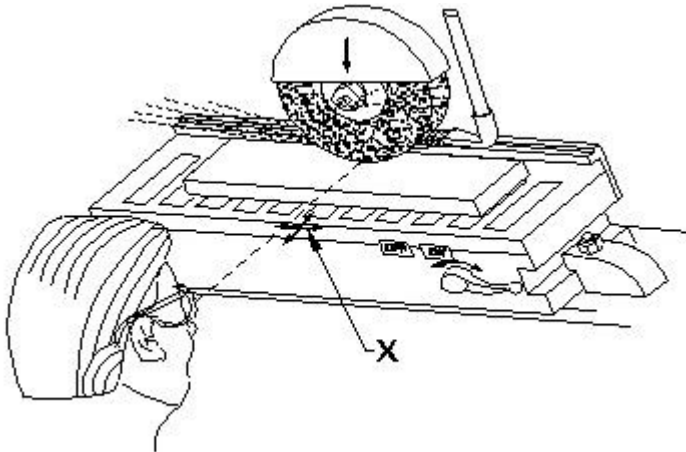
Correct Answer : B

(22). Which bond use to make cutting off wheel in grinding?

- (A) Silicate bond
- (B) Shellac bond
- (C) Rubber bond
- (D) Vitrified bond

Correct Answer : C

(23). What is the feed movement marked as 'X' in given figure?



- (A) Vertical feed
- (B) Longitudinal feed
- (C) Circular feed
- (D) Cross feed

Correct Answer : B

(24). What is 'V' denotes in grinding wheel marking of 'A60K5V8'?

- (A) Grade
- (B) Grain size
- (C) Structure
- (D) Type of bond

Correct Answer : D

(25). What is '5' denotes in grinding wheel marking of 'A60H5V8'?

- (A) Grade
- (B) Structure
- (C) Grain size

(D) Type of abrasive

Correct Answer : B

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