

Screws

1). What is the purpose of dowel pins in assembly?

- (A) Perfect alignment & quicker disassembly
- (B) Imperfect alignment
- (C) Slow disassembly
- (D) Easy maintenance

Correct Answer: A

2). What is the taper ratio of Gib head key way?

- (A) 1:19
- (B) 1:20
- (C) 1:50
- (D) 1:100

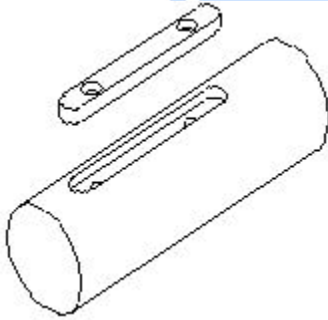
Correct Answer: D

3). What is the purpose of key?

- (A) To transmit torque
- (B) For assembly purpose
- (C) To lock the assembly part
- (D) To permit clearance between mating parts

Correct Answer: A

4). What is the name of the key shown in the figure?



- (A) Sunk key
- (B) Feather key
- (C) Flat saddle key
- (D) Hollow saddle key

Correct Answer: B

5). What is the use of air ratchet wrench?

- (A) High speed and less torque
- (B) Low speed
- (C) More torque
- (D) High speed and more torque

Correct Answer: A

6). What is the use of rotary files?

- (A) To finish sharp corners
- (B) To sharpening wood-working saws
- (C) Die sinking and mould-making work
- (D) Finish the automobile bodies, after tinkering

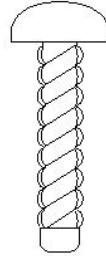
Correct Answer: C

7). Which file is used for silversmith 's work?

- (A) Min saw file
- (B) Riffle file
- (C) Pillar file
- (D) Warding file

Correct Answer: B

8). What is the name of the screw shown in the figure?



- (A) Grub screw
- (B) Drive screw
- (C) Self tapping screw
- (D) Thread cutting screw

Correct Answer: B

9). What is the use of round key in assembly?

- (A) Secure the component with light torque
- (B) High torque
- (C) Unidirectional torque
- (D) Slide along the shaft

Correct Answer: A

10). Which file that has sharp and parallel teeth is used on soft and non-metallic materials?

- (A) Pillar file
- (B) Tinker file
- (C) Dread naught file
- (D) Warding file

Correct Answer: C

11). Which file used for delicate and intricate work?

- (A) Swiss pattern file
- (B) Pillar file
- (C) Dread naught file
- (D) Warding file

Correct Answer: A

12). Which file is used for finishing sharp corners?

- (A) Pillar file
- (B) Riffle file
- (C) Barrette file
- (D) Warding file

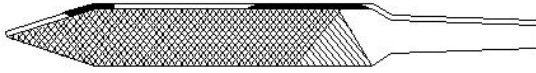
Correct Answer: C

13). What is used for placing the instruments during working?

- (A) Wooden blank
- (B) Felt pad
- (C) Steel sheet
- (D) Cloth

Correct Answer: B

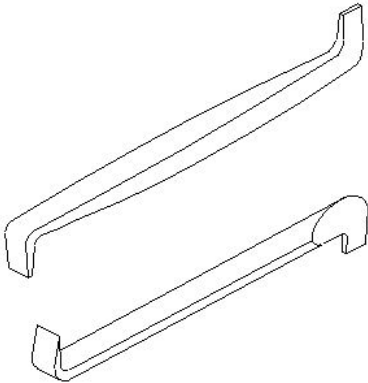
14). What is the name of the file shown in the figure?



- (A) Pillar file
- (B) Warding file
- (C) Dread naught file
- (D) Swiss pattern file

Correct Answer: B

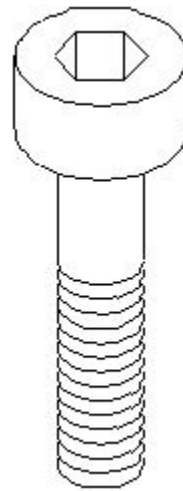
15). What is the name of the screw driver shown in the figure?



- (A) Offset screw driver
- (B) Philips screw driver
- (C) Standard screw driver
- (D) Heavy duty screw driver

Correct Answer: A

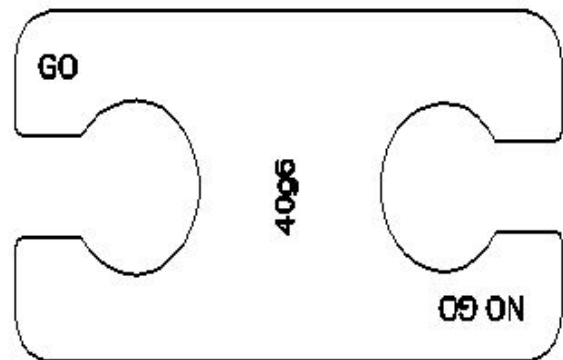
16). Which type of screw is shown in the figure?



- (A) Hexagon socket head cap screw
- (B) Hexagon head screw
- (C) Counter sink head screw
- (D) Raised cheese head screw

Correct Answer: A

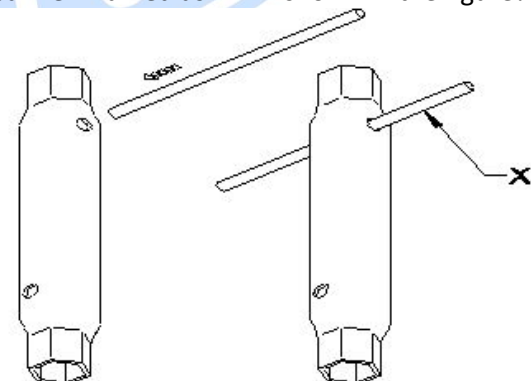
17). What is the name of the gauge shown in the figure?



- (A) Taper gauge
- (B) Snap gauge
- (C) Progressive plug gauge
- (D) Double end plug gauge

Correct Answer: B

18). What is the name of the part of tubular box spanner marked as 'x' shown in the figure?



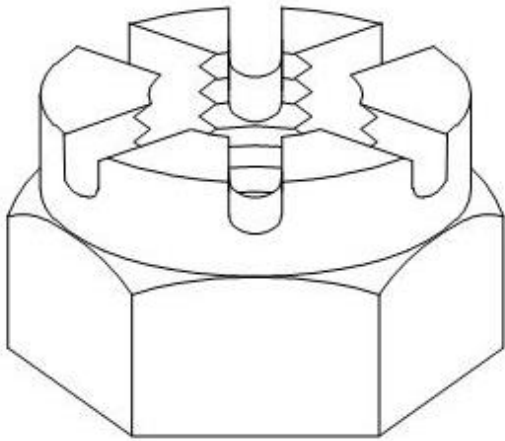
- (A) Handle

- (B) Body
 - (C) Head
 - (D) Tommy bar
- Correct Answer: D

19). Which file is used for lock repair and filing hard notches in keys?

- (A) Pillar file
 - (B) Flexible file
 - (C) Warding file
 - (D) Swiss pattern file
- Correct Answer: C

20). What is the name of the nut shown in the figure?



- (A) Castle nut
 - (B) Slotted nut
 - (C) T - Nut
 - (D) Cap nut
- Correct Answer: A

21). What effect does viewing a bar-type torque wrench at an angle have on the reading?

- (A) Correct reading
 - (B) False reading
 - (C) Slight error
 - (D) More error
- Correct Answer: B

22). What is the use of rattle 's file?

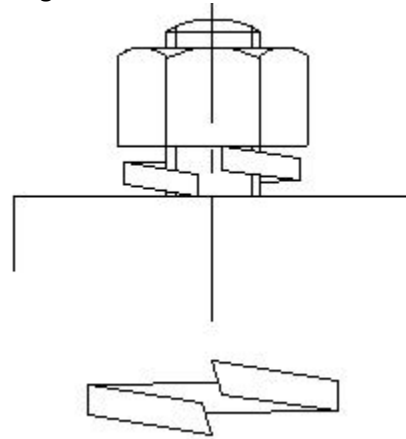
- (A) Finishing sharp corners
 - (B) Lock repair
 - (C) Silversmith work
 - (D) Mold - making work
- Correct Answer: C

23). Which special file is used in narrow work pieces?

- (A) Pillar file
- (B) Square file
- (C) Dread naught file

- (D) Swiss pattern file
- Correct Answer: A

24). What is the name of the locking device shown in the figure?



- (A) Tab washer
 - (B) Locking plate
 - (C) Lock washer
 - (D) Spring washer
- Correct Answer: D

25). What is checked using a template?

- (A) Diameter of shaft
 - (B) Pitch of holes
 - (C) Hole size
 - (D) Contour profile of a work piece
- Correct Answer: D

Slip gauge

1). Which is used to clean the slip gauge?

- (A) Wax
- (B) Kerosene
- (C) Soluble oil
- (D) Carbon tetrachloride

Correct Answer: D

2). Which grade slip gauge is used for precision tool room applications?

- (A) Grade 00
- (B) Grade 0
- (C) Grade I
- (D) Grade II

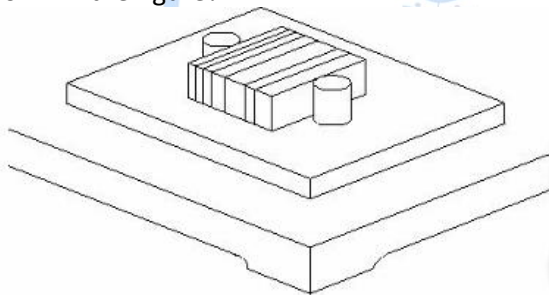
Correct Answer: C

3). Which one forms the hypotenuse of the triangle while checking with sine bar?

- (A) Surface plate
- (B) Sine bar width
- (C) Sine bar length
- (D) Slip gauges' height

Correct Answer: C

4). What is the name of the application of slip gauge shown in the figure?



- (A) Drawing circles
- (B) Checking height
- (C) Checking center distance of holes
- (D) Layout work

Correct Answer: C

5). What is the use of Taly - Surf?

- (A) To measure angle
- (B) To measure flatness
- (C) To measure parallelism
- (D) To measure surface texture

Correct Answer: D

6). What is the result of lap being harder than the work piece?

- (A) Work piece will cut the lap
- (B) Accuracy cannot be obtained
- (C) Lap will cut the work piece

(D) Lapping operation leaves high spots

Correct Answer: A

7). Which precision finishing operation carried out using fine abrasive materials?

- (A) Filing
- (B) Grinding
- (C) Reaming
- (D) Lapping

Correct Answer: D

8). Which grade of slip gauge is used for inspection?

- (A) Grade I accuracy
- (B) Grade '0' accuracy
- (C) Grade '00' accuracy
- (D) Grade II accuracy

Correct Answer: B

9). Which is used to clean the lapping plate after charging?

- (A) Oil
- (B) Kerosene
- (C) Coolant oil
- (D) Petroleum jelly

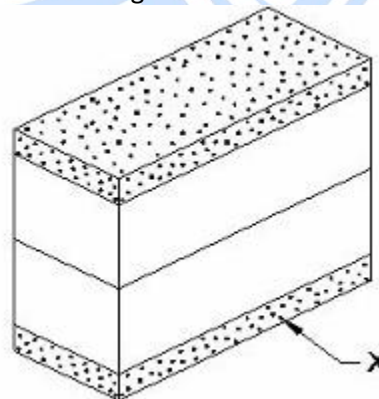
Correct Answer: B

10). What is the name of the slip gauge grade used for inspection?

- (A) Grade I
- (B) Grade '0'
- (C) Grade '00'
- (D) Grade "II"

Correct Answer: B

11). What is the name of the part marked as 'x' shown in the figure?

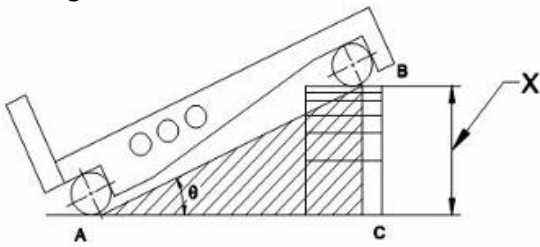


- (A) Chamois leather
- (B) Leather pad
- (C) Protector slip

(D) Steel sheet

Correct Answer: C

12). What is the name of the part marked as 'X' shown in the figure?



(A) Height of slip gauge

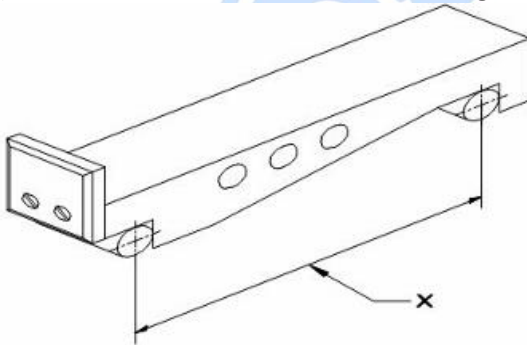
(B) Length of sine bar

(C) Datum surface

(D) Taper angle

Correct Answer: A

13). What is marked as 'X' shown in the figure?



(A) Length of sine bar

(B) Drilled holes

(C) Contact rollers

(D) Width

Correct Answer: A

14). Which type of abrasive is used in honing cast iron and non-ferrous materials?

(A) Diamond

(B) Boron carbide

(C) Silicon carbide

(D) Aluminium oxide

Correct Answer: C

15). What is the name of the operation that corrects the profiles of cylindrical surfaces and removes taper?

(A) Boring

(B) Honing

(C) Grinding

(D) Reaming

Correct Answer: B

16). Which is the hardest of all abrasive materials?

(A) Silicon carbide

(B) Boron carbide

(C) Diamond

(D) Aluminium oxide

Correct Answer: C

17). Which material is used for manufacturing sine bar?

(A) Invar steel

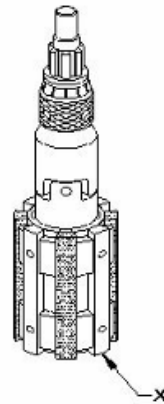
(B) High speed steel

(C) High carbon steel

(D) Stabilized chromium steel

Correct Answer: D

18). What is the name of the part marked as 'x' shown in the figure?



(A) Stone

(B) Bronze guide

(C) Universal joint

(D) Expanding body

Correct Answer: B

19). Which process is carried out with abrasive sticks to correct the profile of internal cylindrical surfaces?

(A) Lapping

(B) Honing

(C) Grinding

(D) Filing

Correct Answer: B

20). Which finishing operation is performed by the tool that rotates and reciprocates simultaneously?

(A) Drilling

(B) Honing

(C) Lapping

(D) Grinding

Correct Answer: B

21). What is the act of joining the slip gauges together for building up sizes?

- (A) Glazing
- (B) Pinning
- (C) Loading
- (D) Wringing

Correct Answer: D

22). What is the purpose of slit provided in the lapping tool?

- (A) For clearance
- (B) For expansion
- (C) To retain abrasive
- (D) To adjust the sleeve

Correct Answer: B

23). Which is called as super finishing process?

- (A) Turning
- (B) Milling
- (C) Grinding
- (D) Honing

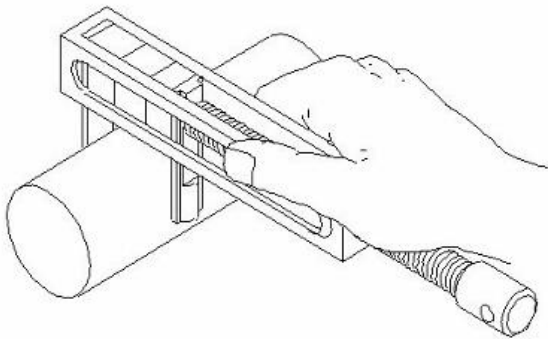
Correct Answer: D

24). Which material protects slip gauge from rusting?

- (A) Oil
- (B) Wax
- (C) Kerosene
- (D) Petroleum jelly

Correct Answer: D

25). Which instrument is used in measuring the external diameter shown in the figure?



- (A) Vernier caliper
- (B) Outside caliper
- (C) Parallel leg caliper
- (D) Pair of special jaws by using slip gauge

Correct Answer: D

Metallurgy

1). What is the cooling rate of carbon steel during the annealing?

- (A) 75°C to 100°C / hr.
- (B) 80°C to 100°C / hr.
- (C) 125°C to 150°C / hr.
- (D) 100°C to 150°C / hr.

Correct Answer: D

2). Which process refines the structure of steel component?

- (A) Tempering
- (B) Annealing
- (C) Hardening
- (D) Normalising

Correct Answer: D

3). What is known as 0.84% carbon steel?

- (A) Cementite
- (B) Ferrite
- (C) Pearlite steel
- (D) Hypereutectoid

Correct Answer: C

4). What is used to achieve faster rate of cooling in the quenching process?

- (A) Oil
- (B) Air
- (C) Water
- (D) Brine solution

Correct Answer: D

5). Which material is soft and ductile but relatively weak?

- (A) Ferrite
- (B) Cementite
- (C) Pearlite
- (D) Hypereutectoid

Correct Answer: A

6). Which process is adapted to add cutting ability and wear resistance on steel?

- (A) Tempering
- (B) Annealing
- (C) Normalising
- (D) Hardening

Correct Answer: D

7). Which heat treatment process improves the machinability and ductility of the material?

- (A) Annealing
- (B) Hardening

(C) Tempering

(D) Normalizing

Correct Answer: A

8). What is the soaking time allowed for 10 mm thickness steel during hardening?

- (A) 7 minutes
- (B) 6 minutes
- (C) 5 minutes
- (D) 8 minutes

Correct Answer: C

9). Which heat treatment process affects the strength, toughness and ductility of steel?

- (A) Tempering
- (B) Hardening
- (C) Annealing
- (D) Normalising

Correct Answer: B

10). What is carried out to produce a brighter and smoother deposit in electroplating?

- (A) High current density
- (B) Low voltage
- (C) High voltage
- (D) Low current density

Correct Answer: A

11). Which method of surface hardening is done in a heated salt bath?

- (A) Flame hardening
- (B) Gas carburizing
- (C) Pack carburizing
- (D) Liquid carburizing

Correct Answer: D

12). What is the purpose of annealing?

- (A) To soften the steel
- (B) To add cutting ability
- (C) To increase wear resistance
- (D) To refine the grain structure of the steel

Correct Answer: A

13). What is the effect of tempering on cutting tool?

- (A) Regulates the toughness
- (B) Increases the hardness
- (C) Increases the ductility
- (D) Improves the machinability

Correct Answer: A

14). What is the tempering color of taps and shear blades?

- (A) Pale straw
- (B) Dark blue
- (C) Reddish
- (D) Brown

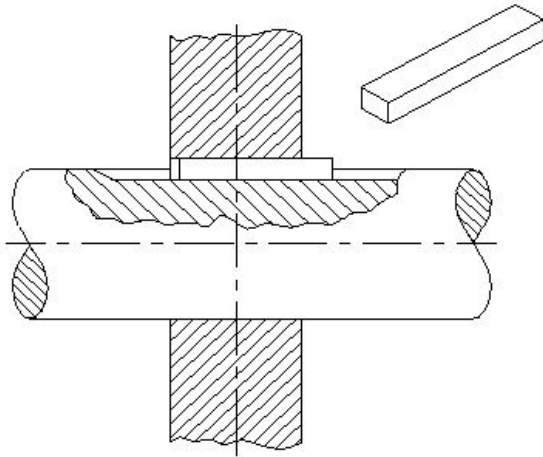
Correct Answer: D

15). What is the effect of hardening high carbon steel?

- (A) Improves the shock resistance
- (B) Improves the malleability
- (C) Adds the cutting ability
- (D) Improves the ductility

Correct Answer: C

16). What is the name of the key shown in the figure?



- (A) Parallel sunk key
- (B) Gib head key
- (C) Wood ruff key
- (D) Tapper sunk key

Correct Answer: A

17). What is the name of the structure if hot steel is rapidly cooled?

- (A) Ferrite
- (B) Austenite
- (C) Martensite
- (D) Pearlite

Correct Answer: C

18). Which structure of steel contain 0% carbon?

- (A) Ferrite
- (B) Pearlite
- (C) Austenite
- (D) Cementite

Correct Answer: A

19). Which metallic coating is done by rolling the layers of metal on to base metal?

- (A) Spraying
- (B) Cladding
- (C) Enameling
- (D) Molten metal bath

Correct Answer: B

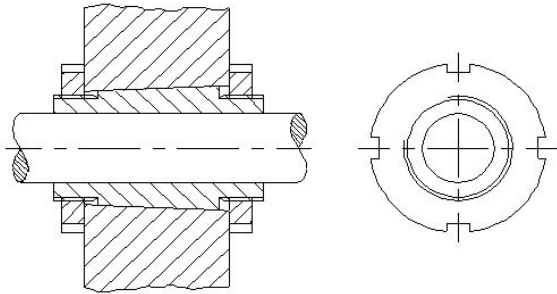
20). What is the purpose of normalizing?

- (A) For adding cutting ability
- (B) For developing high hardness
- (C) To increase wear resistance
- (D) To remove stress and strain

Correct Answer: D

Gauge and Bearing

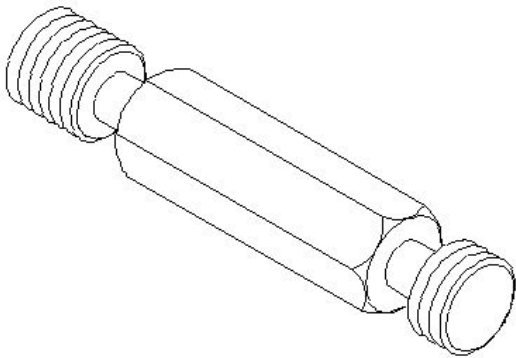
1). How the wear in adjustable bearing is rectified as shown in the figure?



- (A) By placing the shim at equal intervals
- (B) By coating hard material on the housing
- (C) By punching the housing at equal intervals
- (D) By adjusting the slotted nut?

Correct Answer: D

2). What is the name of the gauge shown in the figure?



- (A) Thread ring gauge
- (B) Thread plug gauge
- (C) Screw pitch gauge
- (D) Thread caliper gauge

Correct Answer: B

3). Which bearing material is used for light load and low speed application?

- (A) Cast iron
- (B) Tin bronze
- (C) Cadmium based alloy
- (D) Copper and lead alloys

Correct Answer: A

4). Why extra clearance is provided between bearing and journal in the aluminum alloy bearing?

- (A) Lubricant to flow freely
- (B) For corrosion resistance
- (C) To prevent wear resistance
- (D) To overcome high thermal expansion

Correct Answer: D

5). What is the name of the bearing shown in the figure?



- (A) Roller bearing
- (B) Needle bearing
- (C) Angular contact bearing
- (D) Self aligning roller contact bearing

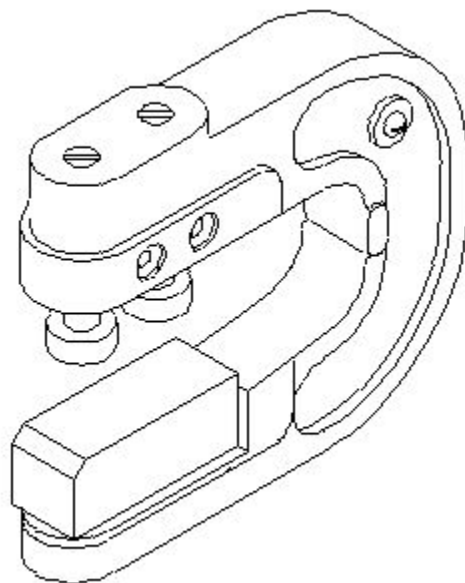
Correct Answer: D

6). Why is the Go end made longer than the No go end in a Go and No-go gauge?

- (A) To check the part for correct dimension |
- (B) To check the taper on the dimensions
- (C) To check the part for longer length
- (D) To distinguish easily

Correct Answer: D

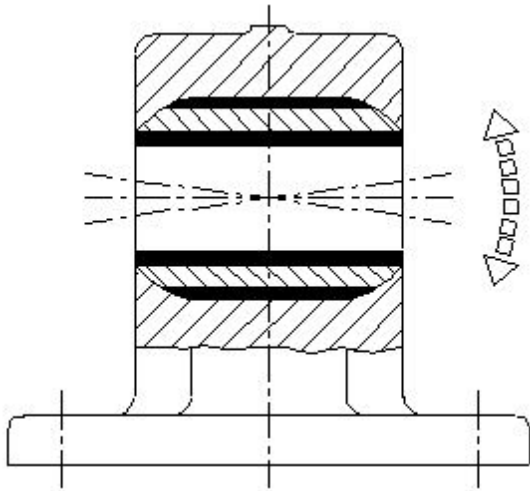
7). What is the name of the gauge shown in the figure?



- (A) Plain snap gauge
- (B) Adjustable snap gauge
- (C) Threaded snap gauge
- (D) Caliper gauge

Correct Answer: B

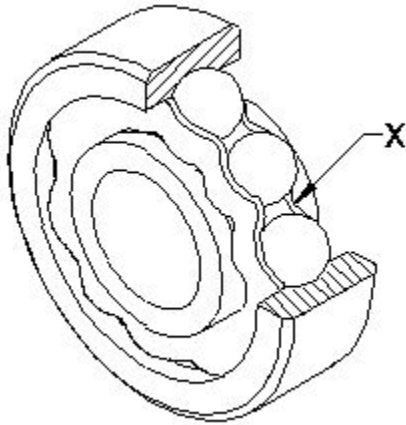
8). What is the name of the bearing shown in the figure?



- (A) Plain bearing
- (B) Bush bearing
- (C) Solid bearing
- (D) Self aligning bush

Correct Answer: D

9). What is the name of the part marked as 'X' shown in the figure?



- (A) Inner race
- (B) Outer race
- (C) Ball cage
- (D) Ball

Correct Answer: C

10). How can you find incorrect taper components using a taper ring gauge?

- (A) By not entering
- (B) By fully passing through
- (C) By half passing through
- (D) By wobbling gauge and work piece

Correct Answer: D

11). What will be the result if rolling contact bearing is fitted too tight instead of having proper recommended fit

- (A) Power will not be transmitted
- (B) Rollers will get jammed
- (C) Rollers will not have contact with the outer race
- (D) More power will be transmitted

Correct Answer: B

12). What is the purpose of double row ball bearing?

- (A) To carry axial load
- (B) To carry radial load
- (C) To carry bi-directional axial load
- (D) To carry radial and thrust load

Correct Answer: D

13). What is the purpose of ring gauge? (A) To check the hole diameter

- (B) To check the shaft diameter
- (C) To check the tapered shaft diameter
- (D) To check the internal thread

Correct Answer: B

14). What is the reason it is recommended to use back-to-back or face-to-face matched pairs in double row angular contact ball bearings?

- (A) Carries radial load only
- (B) Carries axial load only
- (C) Carries radial and axial load in one direction
- (D) Carries radial and axial load in both directions

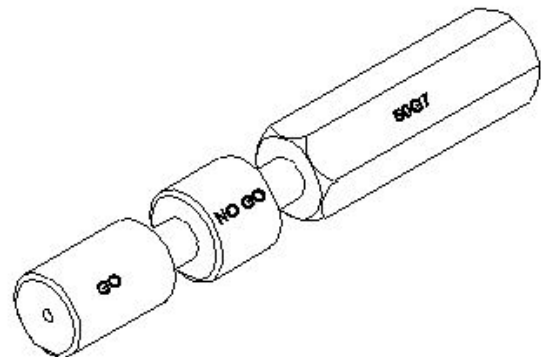
Correct Answer: D

15). Which bearing carries the load parallel to its axis?

- (A) Split bearing
- (B) Plain bearing
- (C) Thrust bearing
- (D) Radial bearing

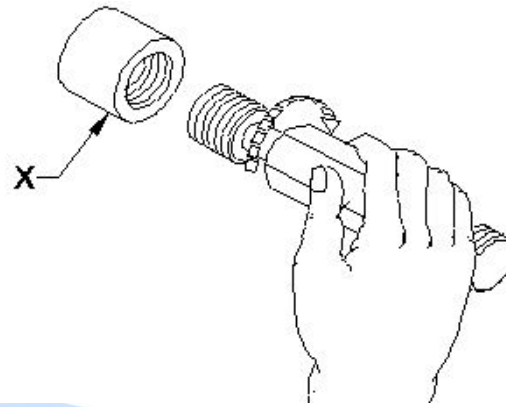
Correct Answer: C

16). What is the name of the limit gauge shown in the figure?

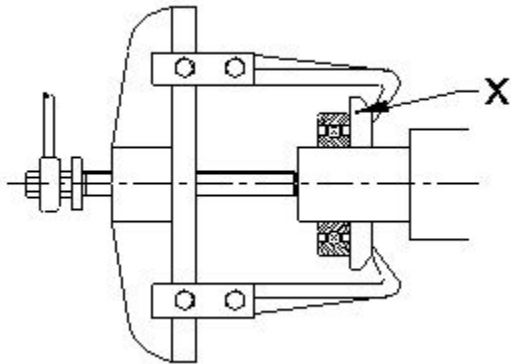


- (A) Plain ring gauge
- (B) Taper plug gauge
- (C) Progressive plug gauge
- (D) Double ended plug

Correct Answer: C



17). What is the name of the part marked as 'X' shown in the figure?



- (A) Leg
- (B) Puller
- (C) Bearing
- (D) Puller plate

Correct Answer: D

18). What will be the result if rolling contact bearing is fitted too loose instead of having proper recommended fit?

- (A) It will not take the load
 - (B) Heat will be generated
 - (C) Roller will not have contact with the inner race
 - (D) Roller will get jammed with the outer race
- Correct Answer: A

19). Which ball bearings are used to accommodate slight misalignments of the shaft?

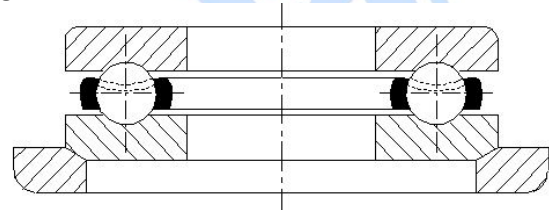
- (A) Plain bearing
- (B) Ball bearing
- (C) Double row ball bearing
- (D) Self aligning ball bearing

Correct Answer: D

20). What is the name of the part marked as 'X' shown in the figure?

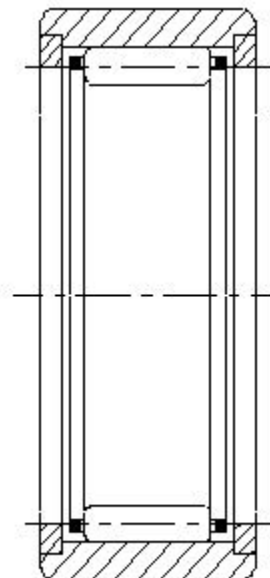
- (A) Ring
 - (B) Plug gauge
 - (C) Thread gauge
 - (D) Work piece
- Correct Answer: D

21). What is the name of the bearing shown in the figure?



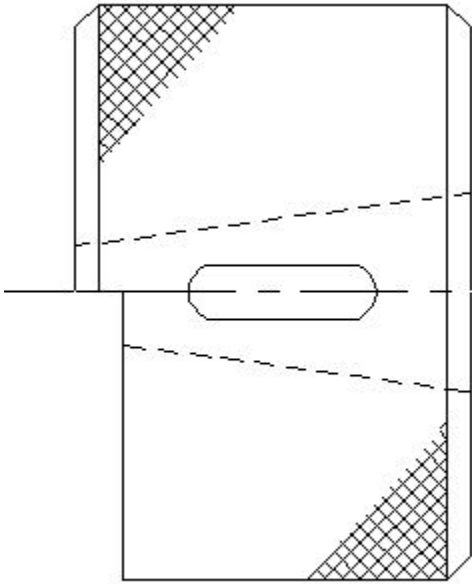
- (A) Roller bearing
 - (B) Double roller bearing
 - (C) Thrust bearing
 - (D) Special thrust bearing
- Correct Answer: D

22). What is the name of the bearing shown in the figure?



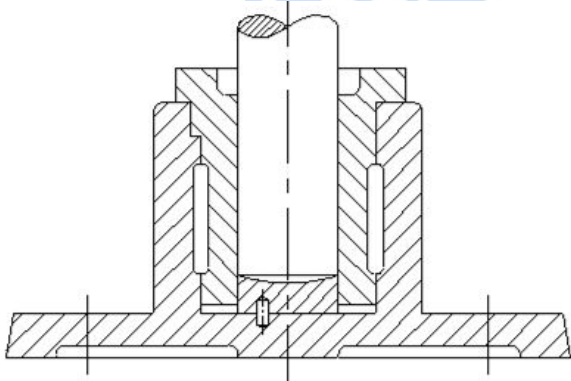
- (A) Needle bearing
- (B) Thrust ball bearing
- (C) Taper roller
- (D) Angular contact ball bearing Correct Answer: A

23). What is the name of the gauge shown in the figure??



- (A) Ring gauge
 - (B) Snap gauge
 - (C) Taper ring gauge
 - (D) Thread plug gauge
- Correct Answer: C

24). What is the name of the bearing shown in the figure?



- (A) Ball bearing
 - (B) Roller bearing
 - (C) Thrust bearing
 - (D) Journal bearing
- Correct Answer: C

25). Which type of bearing is used for taking high axial thrust load?

- (A) Roller bearing
- (B) Tapered roller bearing
- (C) Self align roller bearing
- (D) Angular contact ball bearing Correct Answer: B

Bearing metals

1). Which is a self-lubricating bearing material?

- (A) White metal
- (B) Cadmium-based alloy
- (C) Copper lead alloys
- (D) Sintered alloy

Correct Answer: D

2). Which bearing material has low co-efficient of friction and high material cost?

- (A) Nylon
- (B) Teflon
- (C) Plastic
- (D) Laminated phenolic

Correct Answer: B

3). Which bearing material has poor thermal conductivity?

- (A) Nylon
- (B) Teflon
- (C) Sintered alloys
- (D) Laminated phenolic

Correct Answer: D

4). Which alloying metal bearing can work at higher temperature and higher load carrying capacity?

- (A) Cast iron
- (B) White metal
- (C) Copper lead alloys
- (D) Cadmium based alloy

Correct Answer: C

5). How to overcome the low thermal conductivity in laminated phenolics bearing materials?

- (A) By replacing the bearing with good thermal conductivity
- (B) By not running the system for more time
- (C) By having adequate cooling facilities
- (D) By arranging for air cooling the equipment's

Correct Answer: C

6). Which bearing material has poor resistance to corrosion?

- (A) White metal
- (B) Cadmium-based alloy
- (C) Aluminium alloy
- (D) Sintered alloy

Correct Answer: B

7). How to overcome the defect of decreased load-carrying capacity with increasing temperature using white metal bearings?

- (A) Heat treated to increase the hardness
- (B) Heat treated to increase the temper
- (C) Coated with high strength material
- (D) Coated with bronze material

Correct Answer: C

8). Which metal is used for electroplating to resist corrosion for a long period and to retain high polish?

- (A) Lead
- (B) Nickel
- (C) Chromium
- (D) Aluminium

Correct Answer: C

9). Which bearing material has resistance to chemical reaction?

- (A) Teflon
- (B) Nylon
- (C) Laminated phenolics
- (D) Lead bronze

Correct Answer: A

10). Which bearing material needs no lubrication?

- (A) Plastic
- (B) Cast iron
- (C) White metal
- (D) Aluminium alloy

Correct Answer: A

11). Which metal powder is used in calorizing process to prevent corrosion?

- (A) Zinc powder
- (B) Nickel powder
- (C) Chromium powder
- (D) Aluminium powder

Correct Answer: D

12). Which bearing material is an alloy of tin or lead-based?

- (A) White metal
- (B) Cadmium-based alloy
- (C) Aluminium alloy
- (D) Sintered alloy

Correct Answer: A

13). Which bearing material is used for connecting rods and electrical motors?

- (A) White metal
- (B) Sintered alloy
- (C) Aluminium alloy
- (D) Copper lead alloy

Correct Answer: D

14). How to overcome the effect of high thermal expansion in aluminium alloy bearings?

- (A) Provides extra clearance on the bearing of outer race
- (B) Provides extra clearance on the shaft
- (C) Provides extra clearance on the bearing of inner race
- (D) Provides extra clearance on the bearing and journal

Correct Answer: D

15). Which bearing material is suitable for high strength and shock resistance?

- (A) Nylon
- (B) Teflon
- (C) Plastics
- (D) Laminated phenolics

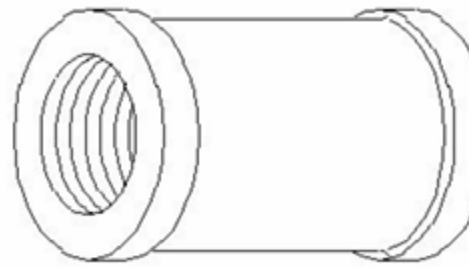
Correct Answer: D



Pipe and Pipes fitting

- 1). Which wrench is used for tightening more than 50 mm diameter of pipe? (A) Strap wrench
(B) Foot print wrench
(C) Chain pipe wrench
(D) Stilson pipe wrench

Correct Answer: C



- 2). What is the name of the pipe fitting symbol shown in the figure?



- (A) Plug
(B) Cross
(C) Socket
(D) Elbow

Answer: C

- 3). What is the angle of deviations provided on elbows and bends in pipe works?

- (A) 90° & 45°
(B) 30° & 60°
(C) 20° & 40°
(D) 60° & 45°

Correct Answer: A

- 4). What is the name of the pipe fitting symbol shown in the figure?



- (A) Plug
(B) Cross
(C) Socket
(D) Elbow

Correct Answer: A

- 5). Which standard fitting is used for joining pipeline of different diameters? |

- (A) Plug
(B) Caps
(C) Reducer
(D) Coupling

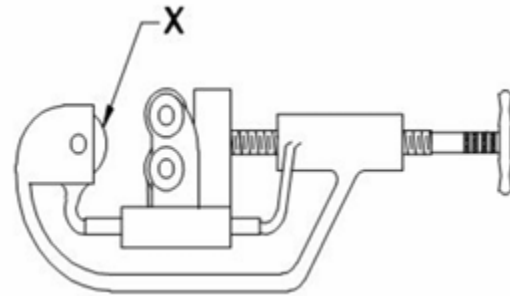
Correct Answer: C

- 6). What is the name of the pipe fitting item shown in the figure?

- (A) Plug
(B) Coupling
(C) Reducer
(D) Concentric reducer

Correct Answer: B

- 7). What is the name of the part marked as 'x' shown in the figure?



- (A) Cutter wheel
(B) Adjusting screw
(C) Guide rollers
(D) Hand lever

Correct Answer: A

- 8). What causes a loud noise if a household water tap is turned on? (A) Washer loose in the valve

- (B) Air bleeding
(C) No water in the tank
(D) Blockage in the pipe line

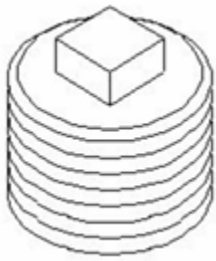
Correct Answer: A

- 9). Why is the first rainfall of the season is not usually considered for rainwater harvesting?

- (A) Contains CO₂
(B) Contains dust particles in the air
(C) Contains atmosphere pollution
(D) Contains Silt

Correct Answer: D

- 10). What is the name of the pipe fitting shown in the figure?



- (A) Plug
- (B) Coupling
- (C) Reducer
- (D) Concentric reducer

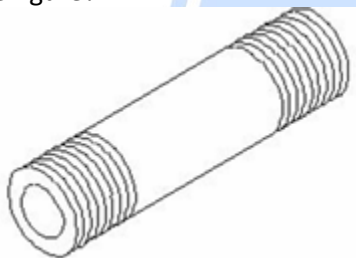
Correct Answer: A

11). What causes wobbling pipe cutter?

- (A) Worn out wheel
- (B) Damaged links
- (C) Worn out pin
- (D) Tension adjustment screw

Correct Answer: B

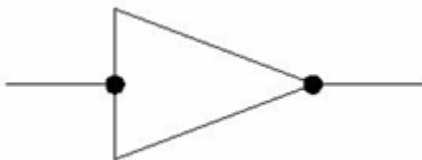
12). What is the name of the pipe fitting item shown in the figure?



- (A) Close nipple
- (B) Short nipple
- (C) Long nipple
- (D) Connector

Correct Answer: C

13). What is the name of the pipe line symbol shown in the figure?



- (A) Socket
- (B) Plug or cap
- (C) Union screwed
- (D) Reducer concentric

Correct Answer: D

14). What causes water dripping from the tap even after it is closed? (A) Defective washer

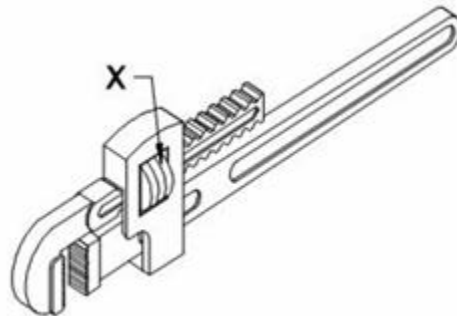
- (B) Spindle thread wornout

(C) Bend spindle

(D) Loose valve

Correct Answer: A

15). What is the name of the part marked as 'x' shown in the figure?



- (A) Pivot
- (B) Spring
- (C) Movable jaw
- (D) Adjusting nut

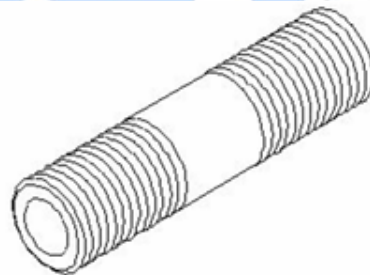
Correct Answer: D

16). Which valve permits fluid flow in only one direction?

- (A) Flow control valve
- (B) Needle valve
- (C) Non-return valve
- (D) Pressure regulator valve

Correct Answer: C

17). What is the name of the pipe fitting item shown in the figure?



- (A) Close nipple
- (B) Short nipple
- (C) Long nipple
- (D) Connector

Correct Answer: B

18). How to arrest the leakage in pipe fitting?

- (A) By applying solution
- (B) By hem packing
- (C) By rapping with plastic wire
- (D) By fixing with quick fix

Correct Answer: B

19). How pipes are classified?

- (A) Uses
- (B) Colour
- (C) Shapes
- (D) Material

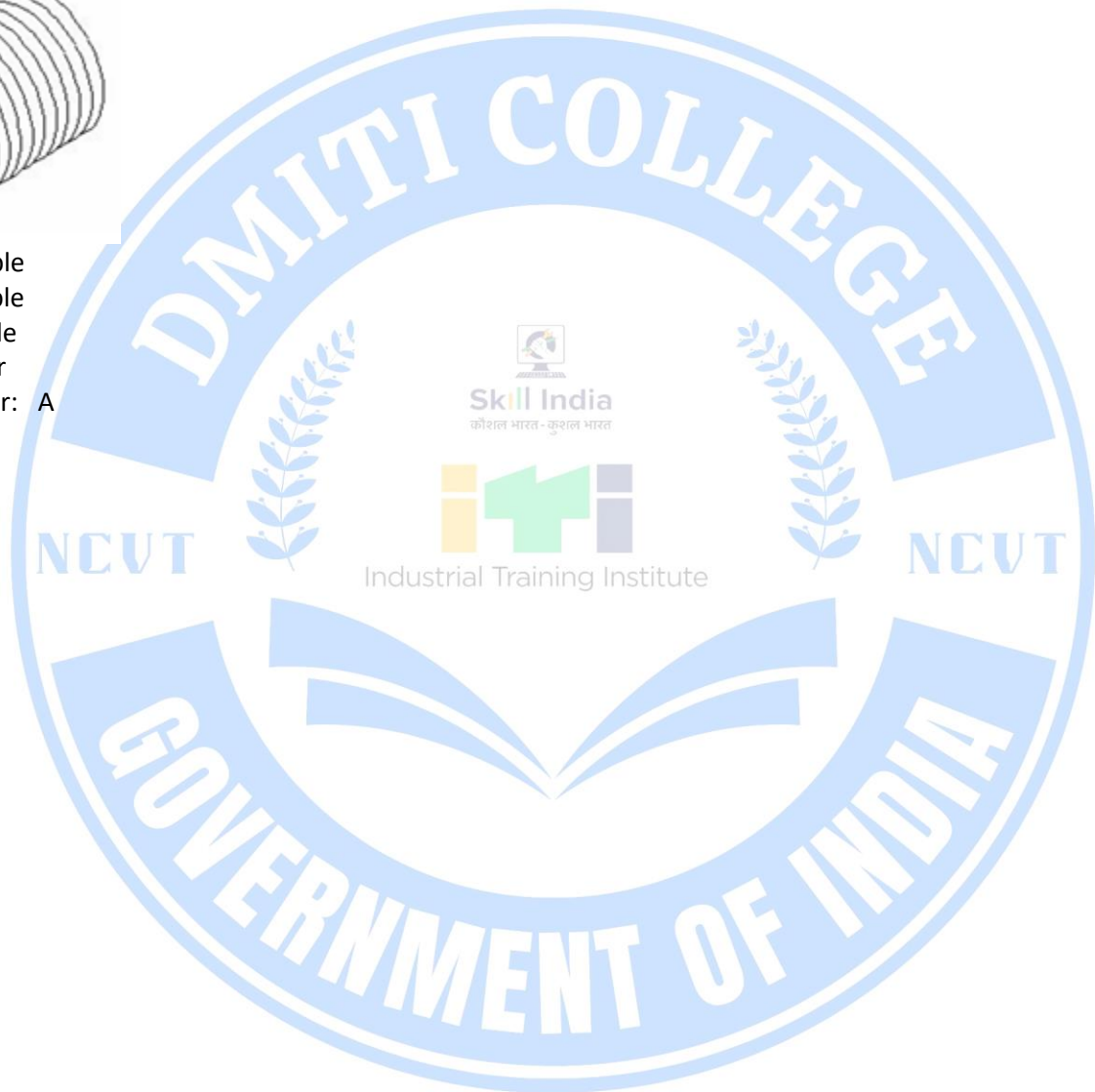
Correct Answer: D

20). What is the name of the pipe fitting item shown in the figure?



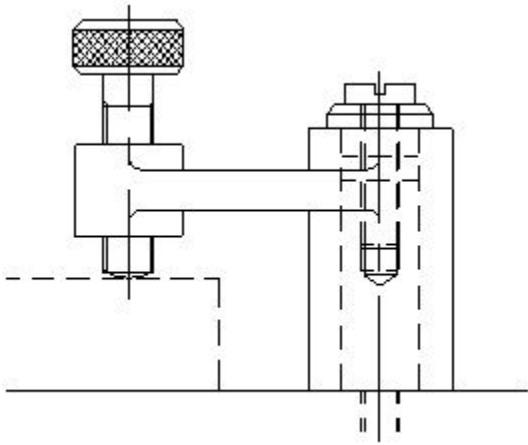
- (A) Close nipple
- (B) Short nipple
- (C) Long nipple
- (D) Connector

Correct Answer: A



Drill jig, Aluminium and Power Transmission

1). What is the name of the clamp shown in the figure?



- (A) Cam clamp
(B) Screw clamp
(C) Wedge clamp
(D) Toggle clamp

Correct Answer: B

2). Which metal is extracted from Bauxite ore?

- (A) Zinc
(B) Brass
(C) Copper
(D) Aluminium

Correct Answer: D

3). Which type of belt is used if the distance between the shafts are too short?

- (A) V' belt
(B) Flat belt
(C) Link belt
(D) Ribbed belt

Correct Answer: A

4). What causes a belt to whip excessively?

- (A) Centre distance between the pulleys is more
(B) Less tension
(C) Overload
(D) High starting torque

Correct Answer: A

5). Why tenons are provided at the bottom of base plate of milling fixture?

- (A) For guiding the tool
(B) For clamping purpose
(C) For balancing the workpiece
(D) For proper location of fixture

Correct Answer: D

6). Which device holds, supports, locates and guides the cutting tool for operation?

- (A) Jig
(B) Fixture
(C) Chuck
(D) Machine vice

Correct Answer: A

7). Why standard brass is suitable for most engineering process?

- (A) Suitable for hot working
(B) Has ductile property
(C) Suitable for cold working
(D) Has less ductile property

Correct Answer: D

8). Which is an alloy Copper and Zinc?

- (A) Aluminium
(B) Gunmetal
(C) Brass
(D) Bronze

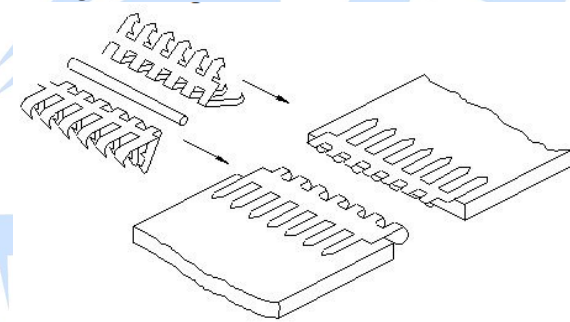
Correct Answer: C

9). What is the purpose of setting blocks in fixture?

- (A) To position the balancing weight
(B) To position the clamp and locators
(C) To position the fixture on machine table
(D) To position the work related to cutter

Correct Answer: D

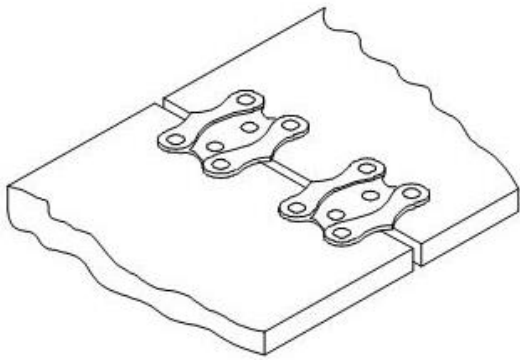
10). What is the name of the belt fastener shown in the figure?



- (A) Wire type
(B) Lagrelle type
(C) Alligator type
(D) Crescent plate type

Correct Answer: C

11). What is the name of the belt fastener shown in the figure?



- (A) Wire type belt fastener
 - (B) Alligator type belt fastener
 - (C) Jackson type belt fastener
 - (D) Crescent plate belt fastener
- Correct Answer: D

12). Why pure aluminium is not good for making threaded fasteners?

- (A) Heavy weight metal
- (B) Good machinability
- (C) Low tensile strength
- (D) Higher strength

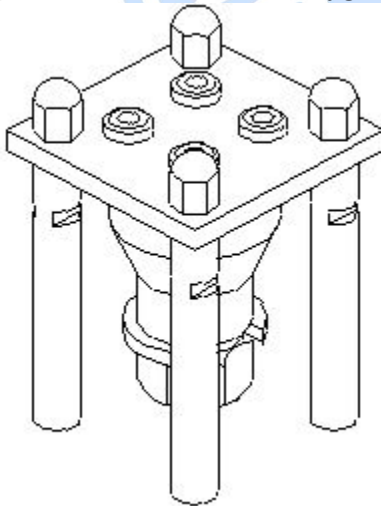
Correct Answer: C

13). Which part restricts movement of the component in Jig?

- (A) Clamp
- (B) Guide plate
- (C) Locating pin
- (D) Press fit bush

Correct Answer: C

14). What is the name of the jig shown in the figure?



- (A) Box jig
- (B) Post jig
- (C) Turn over jig

(D) Sandwich jig
Correct Answer: C

15). Why vertical belt drive is avoided in power transmission?

- (A) Because of the small wrapping of belt
- (B) Because of the excessive contact
- (C) Because of the gravitational pull and slippage
- (D) Because of the increase in surface speed of pulleys

Correct Answer: C

16). What is the colour of the Aluminium metal?

- (A) Yellow
- (B) Reddish
- (C) Whitish grey
- (D) Silvery white

Correct Answer: C

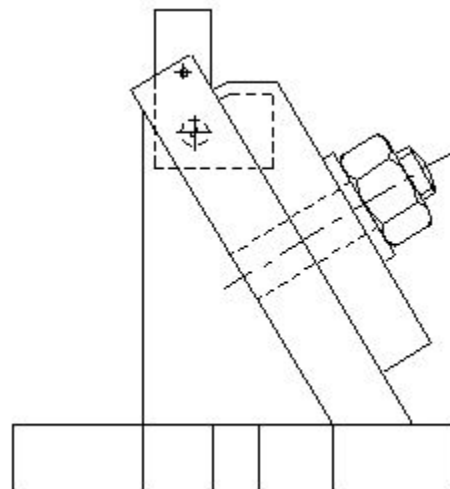
17). What is the name of the fixture shown in the figure?



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- (A) Plate fixture
- (B) Angel plate fixture
- (C) Indexing plate fixture
- (D) Modified angle plate fixture

Correct Answer: D

18). What is the purpose of drill bushes in the drill jig?

- (A) To support the base plate
- (B) To support the drill plate
- (C) To locate and guide the cutting tool
- (D) To restrict the movement of job

Correct Answer: C

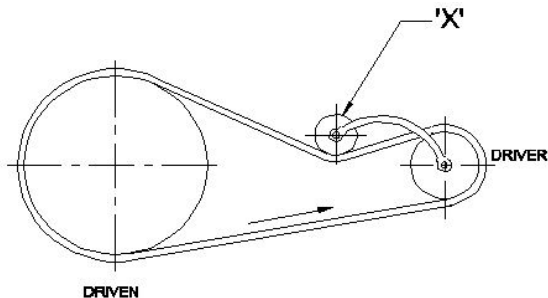
19). Why aluminium is used widely in aircraft industries?

- (A) Light weight

- (B) Hard and Brittle
- (C) More strength
- (D) Low thermal conductivity

Correct Answer: A

20). What is the name of the part marked as 'x' shown in the figure?



- (A) Step pulley
- (B) Driver pulley
- (C) Driven pulley
- (D) Jockey pulley

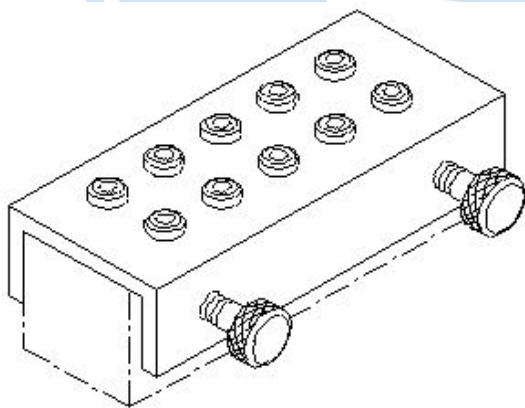
Correct Answer: D

21). What is the effect of excessive tension in belt drive?

- (A) Speed increases
- (B) Speed reduces
- (C) Life of belt increases
- (D) Life of belt decreases

Correct Answer: D

22). What is the name of the jig shown in the figure?



- (A) Post jig
- (B) Solid jig
- (C) Channel jig
- (D) Trunnion jig

Correct Answer: C

23). Why copper is extensively used in electrical cables and appliances?

- (A) Ductile metal

- (B) Cheap in cost
- (C) Easy soldering
- (D) Good conductor

Correct Answer: D

24). How can slip between the belt and pulley in a belt drive be reduced?

- (A) By reducing the pulley ratio
- (B) By increasing the pulley ratio
- (C) By dressing the pulley
- (D) By applying hard coating on pulleys

Correct Answer: A

25). What is the name of metal alloy of Lead, Tin, Copper and Antimony?

- (A) Bronze
- (B) Gilding metal
- (C) Babbitt metal
- (D) Leaded bronze

Correct Answer: C



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'V' Belt

1). Which is the imaginary circle on two mating gears?

- (A) Root circle
- (B) Pitch circle
- (C) Base circle
- (D) Addendum circle Correct

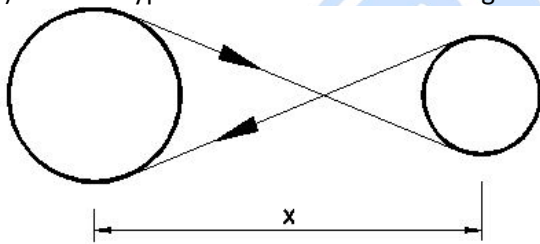
Answer: B

2). In which type of belt drive, the driven shaft will rotate in the opposite direction to the driver shaft?

- (A) Stepped drive
- (B) Open belt drive
- (C) Cross belt drive
- (D) Right angled belt drive

Correct Answer: C

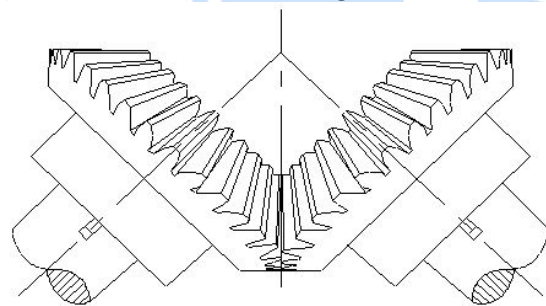
3). Which type of drive is shown in the figure?



- (A) Stepped drive
- (B) Right angled drive
- (C) Open belt drive
- (D) Cross-belt drive

Correct Answer: D

4). What is the name of the gear shown in the figure?



- (A) Spur gear
- (B) Mitre gear
- (C) Hypoid gear
- (D) Herring bone gear

Correct Answer: B

5). Why is a spider coupling typically used for low power drives?

- (A) Larger size
- (B) Heavy
- (C) Rubber spacer
- (D) Rigid

Correct Answer: C

6). Which chain drive provides noiseless and uniform drive?

- (A) Duplex chain
- (B) Toothed chain
- (C) Simplex chain
- (D) Triple roller type chain

Correct Answer: B

7). Why universal uni-joint coupling is only suitable for remote manual operations?

- (A) Provides a soft start
- (B) Transmitted low power is not smooth
- (C) Used in pairs on cardan shafts
- (D) Used to reduce the engine vibration

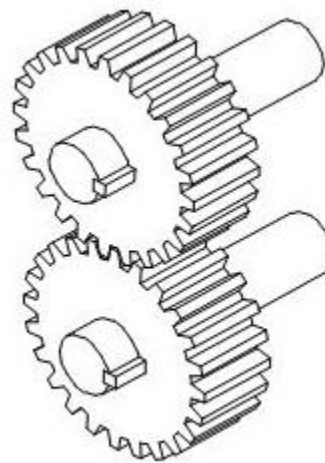
Correct Answer: B

8). Which type of gear drive changes rotary movement to linear movement?

- (A) Hypoid
- (B) Herring bone
- (C) Rack and pinion
- (D) Helical gear

Correct Answer: C

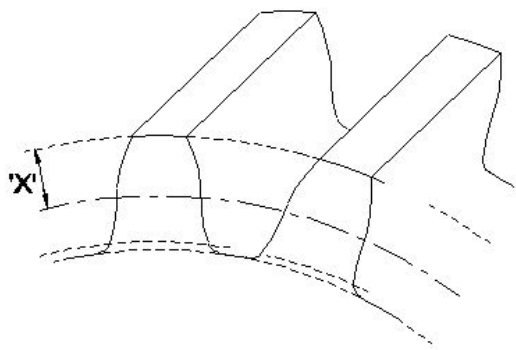
9). What is the name of the gear shown in the figure?



- (A) Spur gear
- (B) Mitre gear
- (C) Bevel gear
- (D) Hypoid gear

Correct Answer: A

10). What is the name of the part marked as 'x' shown in the figure?



- (A) Flank
- (B) Addendum
- (C) Face width
- (D) Root circle

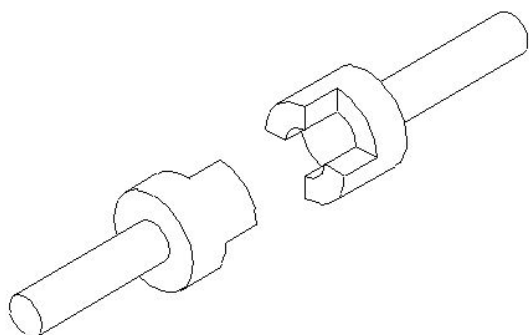
Correct Answer: B

11). Where is universal coupling used?

- (A) Automobile vehicles
- (B) Textiles mills
- (C) Compressors
- (D) Pumps

Correct Answer: A

12). What is the name of the clutch shown in the figure?



- (A) Air clutch
- (B) Dog clutch
- (C) Cone clutch
- (D) Single plate clutch

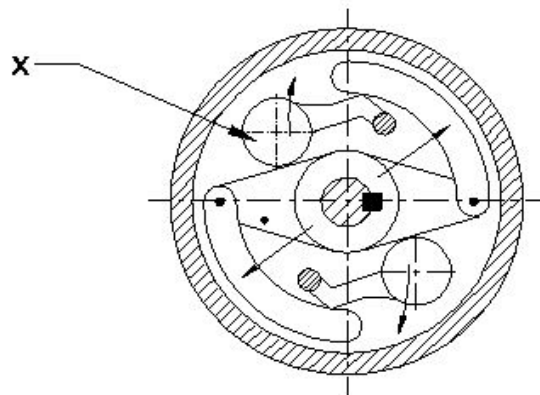
Correct Answer: B

13). What is the effect of the disengaged clutch position in a multiplate clutch?

- (A) Clutch provides drive
- (B) Armature transmits the drive
- (C) Transmission gear box starts to run
- (D) Transmission gear box brought to rest

Correct Answer: D

14). What is the name of the part marked as 'X' shown in the figure?



- (A) Inner piece
- (B) Outer piece
- (C) Rubbing surface
- (D) Centrifugal weight

Correct Answer: D

15). Which gear is Symmetrical to each other and transmits motion at right angle?

- (A) Spur gear
- (B) Mitre gear
- (C) Helical gear
- (D) Hypoid gear

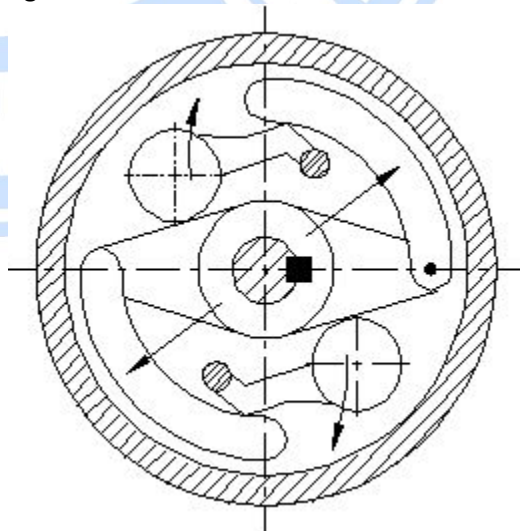
Correct Answer: B

16). What causes excessive tension and additional stress, leading to reduced belt life?

- (A) Wrapping angle is big
- (B) Tension ratio is higher
- (C) Arc of contact is less
- (D) Arc of contact is more

Correct Answer: C

17). What is the name of the clutch shown in the figure?

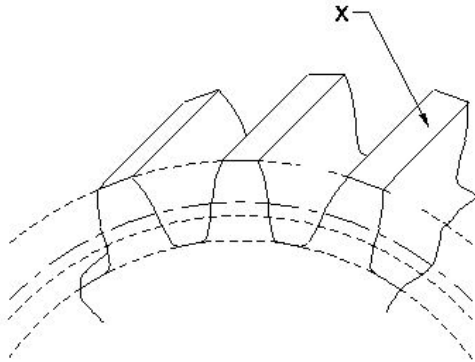


- (A) Air clutch

- (B) Cone clutch
- (C) Centrifugal clutch
- (D) Over riding clutch

Correct Answer: C

18). What is the name of the part marked as 'X' shown in the figure?



- (A) Flank
- (B) Top land
- (C) Fillet
- (D) Face

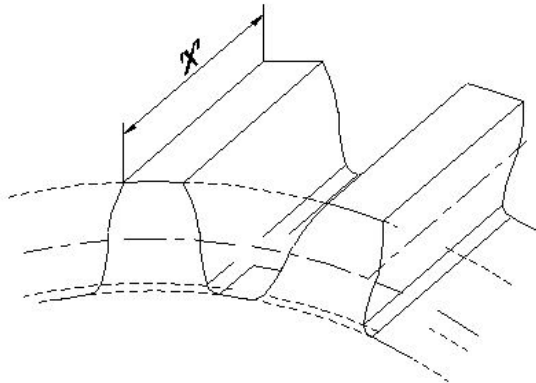
Correct Answer: B

19). Which drive transmits motion at a constant velocity without any creep and slippage?

- (A) Rope drive
- (B) Gear drive
- (C) Pulley drive
- (D) Chain drive

Correct Answer: D

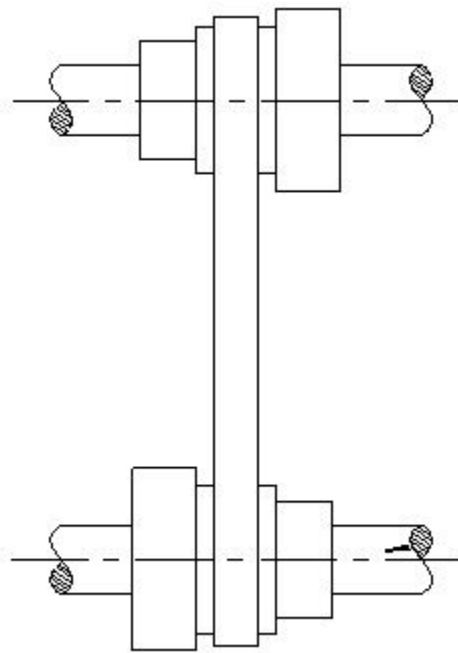
20). What is the name of the part marked as 'x' shown in the figure?



- (A) Pitch line
- (B) Dedendum
- (C) Addendum
- (D) Face width

Correct Answer: D

21). Which type of drive is shown in the figure?



- (A) Stepped drive
- (B) Open belt drive
- (C) Right angled drive
- (D) Cross-belt drive

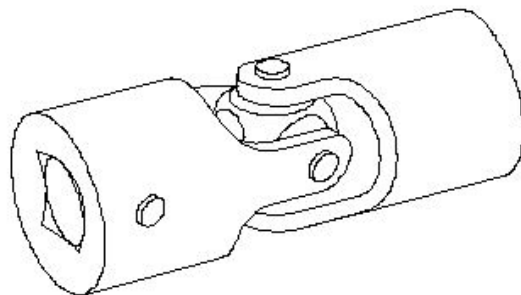
Correct Answer: A

22). How the gripping property of the dried belt is improved?

- (A) By using Jockey pulley
- (B) By applying powdered resin
- (C) By Reducing the distance between pulleys
- (D) By Increasing the distance between pulleys

Correct Answer: B

23). What is the name of the coupling shown in the figure?



- (A) Slip coupling
- (B) Plate coupling
- (C) Clamp coupling
- (D) Universal coupling

Correct Answer: D

24). What happens if a flat pulley is provided with larger crowning?

- (A) The arc of contact is more
- (B) More power can be transmitted
- (C) Easy to shift the belt
- (D) Belt will be damaged

Correct Answer: D

25). Why the face of pulley is “Crowned” in power transmission?

- (A) Increase the tension
- (B) Decrease the tension
- (C) Keep the belt centralised
- (D) Allows free rotation in pulley

Correct Answer: C



1). Which is the imaginary circle on two mating gears?

- (A) Root circle
- (B) Pitch circle
- (C) Base circle
- (D) Addendum circle

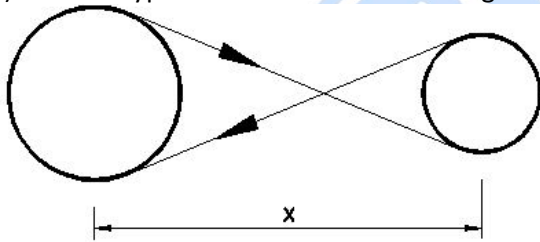
Correct Answer: B

2). In which type of belt drive, the driven shaft will rotate in the opposite direction to the driver shaft?

- (A) Stepped drive
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- (C) Cross belt drive
- (D) Right angled belt drive

Correct Answer: C

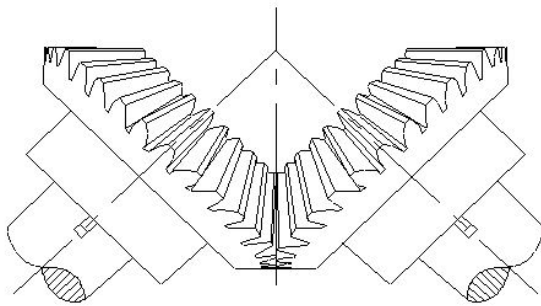
3). Which type of drive is shown in the figure?



- (A) Stepped drive
- (B) Right angled drive
- (C) Open belt drive
- (D) Cross-belt drive

Correct Answer: D

4). What is the name of the gear shown in the figure?



- (A) Spur gear
- (B) Mitre gear
- (C) Hypoid gear
- (D) Herring bone gear

Correct Answer: B

5). Why is a spider coupling typically used for low power drives?

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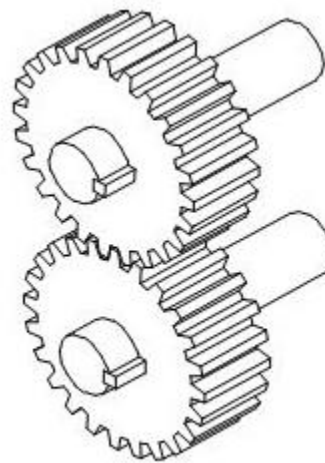
Correct Answer: B

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- (A) Hypoid
- (B) Herring bone
- (C) Rack and pinion
- (D) Helical gear

Correct Answer: C

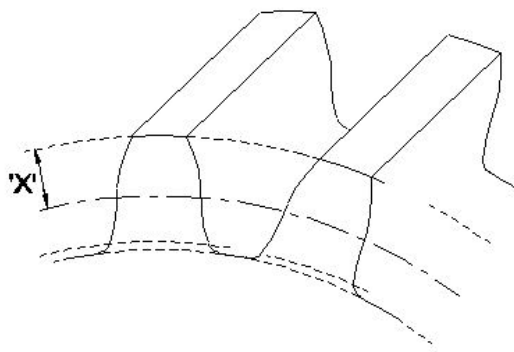
9). What is the name of the gear shown in the figure?



- (A) Spur gear
- (B) Mitre gear
- (C) Bevel gear
- (D) Hypoid gear

Correct Answer: A

10). What is the name of the part marked as 'x' shown in the figure?



- (A) Flank
- (B) Addendum
- (C) Face width
- (D) Root circle

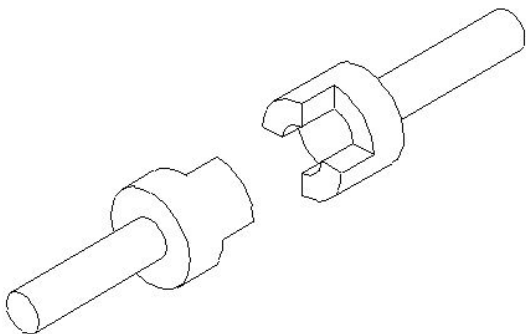
Correct Answer: B

11). Where is universal coupling used?

- (A) Automobile vehicles
- (B) Textiles mills
- (C) Compressors
- (D) Pumps

Correct Answer: A

12). What is the name of the clutch shown in the figure?



- (A) Air clutch
- (B) Dog clutch
- (C) Cone clutch
- (D) Single plate clutch

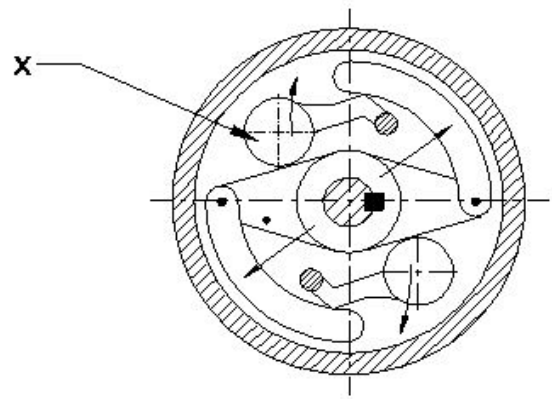
Correct Answer: B

13). What is the effect of the disengaged clutch position in a multiplate clutch?

- (A) Clutch provides drive
- (B) Armature transmits the drive
- (C) Transmission gear box starts to run
- (D) Transmission gear box brought to rest

Correct Answer: D

14). What is the name of the part marked as 'X' shown in the figure?



- (A) Inner piece
- (B) Outer piece
- (C) Rubbing surface
- (D) Centrifugal weight

Correct Answer: D

15). Which gear is Symmetrical to each other and transmits motion at right angle?

- (A) Spur gear
- (B) Mitre gear
- (C) Helical gear
- (D) Hypoid gear

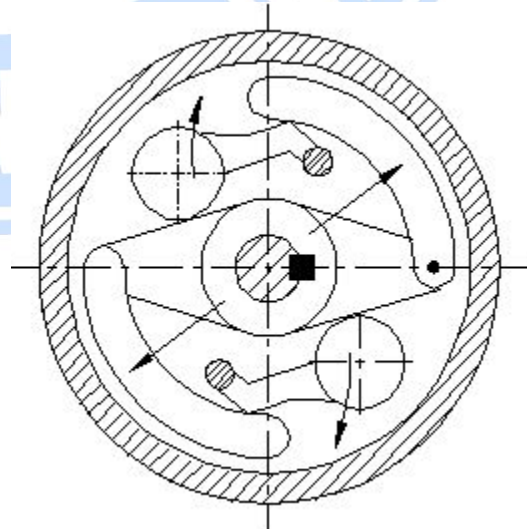
Correct Answer: B

16). What causes excessive tension and additional stress, leading to reduced belt life?

- (A) Wrapping angle is big
- (B) Tension ratio is higher
- (C) Arc of contact is less
- (D) Arc of contact is more

Correct Answer: C

17). What is the name of the clutch shown in the figure?

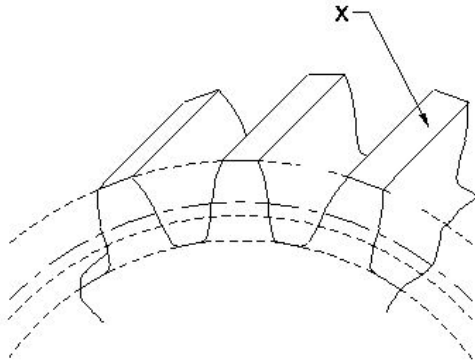


- (A) Air clutch

- (B) Cone clutch
- (C) Centrifugal clutch
- (D) Over riding clutch

Correct Answer: C

18). What is the name of the part marked as 'X' shown in the figure?



- (A) Flank
- (B) Top land
- (C) Fillet
- (D) Face

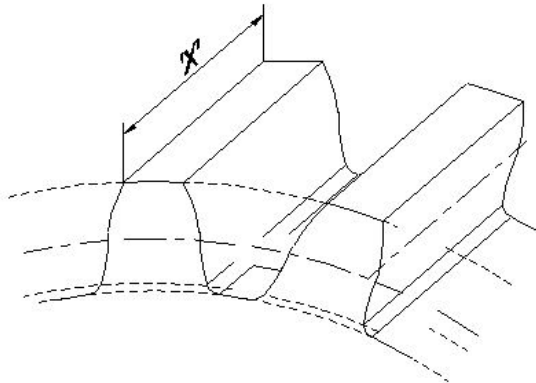
Correct Answer: B

19). Which drive transmits motion at a constant velocity without any creep and slippage?

- (A) Rope drive
- (B) Gear drive
- (C) Pulley drive
- (D) Chain drive

Correct Answer: D

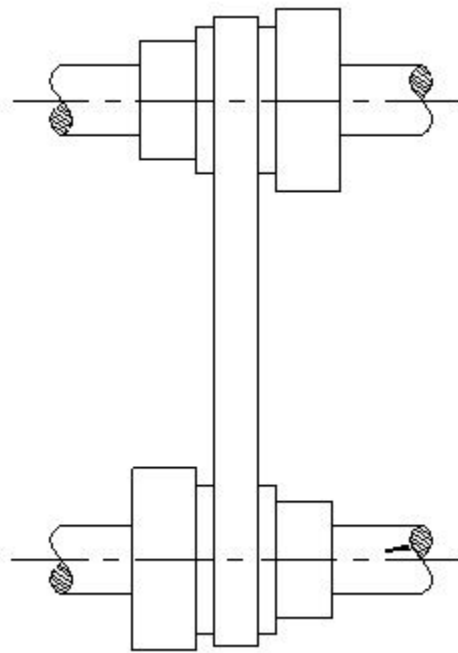
20). What is the name of the part marked as 'x' shown in the figure?



- (A) Pitch line
- (B) Dedendum
- (C) Addendum
- (D) Face width

Correct Answer: D

21). Which type of drive is shown in the figure?



- (A) Stepped drive
- (B) Open belt drive
- (C) Right angled drive
- (D) Cross-belt drive

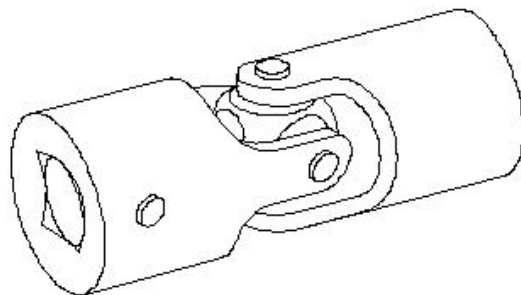
Correct Answer: A

22). How the gripping property of the dried belt is improved?

- (A) By using Jockey pulley
- (B) By applying powdered resin
- (C) By Reducing the distance between pulleys
- (D) By Increasing the distance between pulleys

Correct Answer: B

23). What is the name of the coupling shown in the figure?



- (A) Slip coupling
- (B) Plate coupling
- (C) Clamp coupling
- (D) Universal coupling

Correct Answer: D

24). What happens if a flat pulley is provided with larger crowning?

- (A) The arc of contact is more
- (B) More power can be transmitted
- (C) Easy to shift the belt
- (D) Belt will be damaged

Correct Answer: D

25). Why the face of pulley is “Crowned” in power transmission?

- (A) Increase the tension
- (B) Decrease the tension
- (C) Keep the belt centralised
- (D) Allows free rotation in pulley

Correct Answer: C



Helical gear and Fluid power

1). What is the SI unit of force?

- (A) Kilogram
- (B) Newton
- (C) Dyne
- (D) Pounds

Correct Answer: B

2). Which valve controls the direction of the flow of fluid?

- (A) Flow control valve
- (B) Non-return valve
- (C) Pressure control valve
- (D) Directional control valve

Correct Answer: D

3). Which formula calculates force?

- (A) $\text{Pressure} \div \text{Area}$
- (B) $\text{Pressure} \times \text{Area}$
- (C) $\text{Pressure} - \text{Area}$
- (D) $\text{Pressure} + \text{Area}$

Correct Answer: B

4). Which device used to remove dust, chips and other foreign particles from the fluid?

- (A) Pressure regulating valve
- (B) Filter
- (C) Accumulator
- (D) Regulator

Correct Answer: B

5). Which formula calculates the pressure?

- (A) $\text{Force} + \text{Area}$
- (B) Force/Area
- (C) $\text{Force} - \text{Area}$
- (D) $\text{Force} \times \text{Area}$

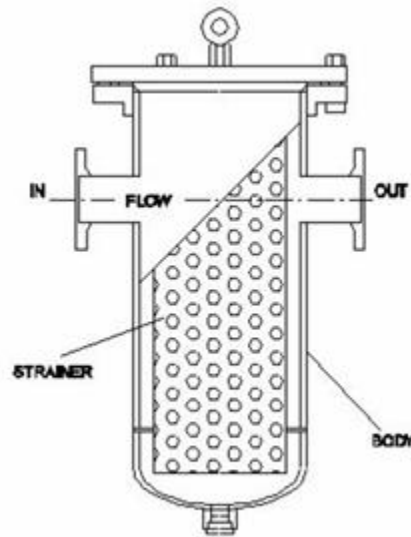
Correct Answer: B

6). What is the main cause for the withdrawal of hoses in a pneumatic system?

- (A) Old hoses
- (B) Loose connection of hoses
- (C) Rigid connection of hoses
- (D) Excessive working pressure

Correct Answer: B

7). What is the name of the filter shown in the figure?



- (A) Absorbent filter
- (B) Mechanical filter
- (C) Magnetic filter
- (D) Return line filter

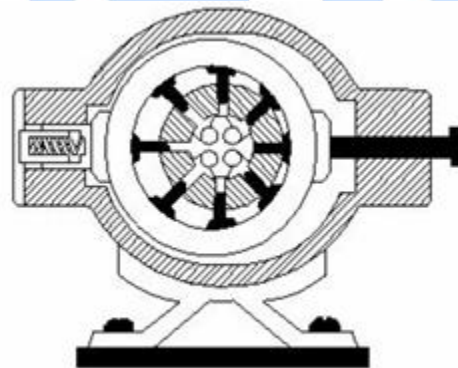
Correct Answer: B

8). In which situation the pressure switch of a compressor restarts?

- (A) Pressure level drops to high level
- (B) Pressure level reaches to minimum level
- (C) Pressure level drops to the pre-set level
- (D) Pressure level reaches to the maximum level

Correct Answer: C

9). What is the name of the hydraulic pump shown in the figure?



- (A) Bent axis piston pump
- (B) Radial piston pump
- (C) Axial piston pump
- (D) Vane pump

Correct Answer: B

10). How leakage can be arrested in a pressure relief valve?

- (A) By tightening the adjustable screw

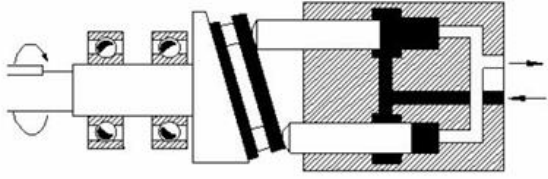
- (B) By pouring wax into the valve assembly
- (C) By using shellac in the assembly
- (D) By using suitable seals

Correct Answer: D

- (A) To reduce the oil flow
- (B) To prevent the entering foreign matter
- (C) To reduce the pressure in the pump
- (D) To increase the pressure in the pump

Correct Answer: B

11). What is the name of the hydraulic pump shown in the figure?



- (A) Axial piston pump
- (B) Bent axis piston pump
- (C) Radial piston pump
- (D) Vane pump

Correct Answer: A

12). Which device in pneumatics is used for converting pressure energy of compressed air into mechanical energy?

- (A) Pneumatic actuators
- (B) Filter
- (C) Regulator
- (D) Cylinder

Correct Answer: A



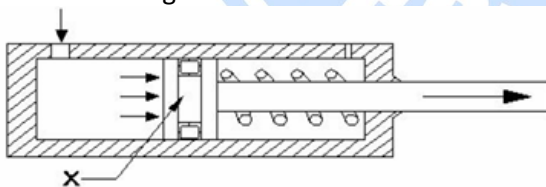
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13). What is the effect of using an oil resistant rubber seal in a pressure relief valve?

- (A) To create appearance
- (B) To ensure cushioning effect
- (C) To prevent leakage between cast body and screw
- (D) To prevent dirt mixing with oil

Correct Answer: C

14). What is the name of the part marked as 'X' shown in the figure?



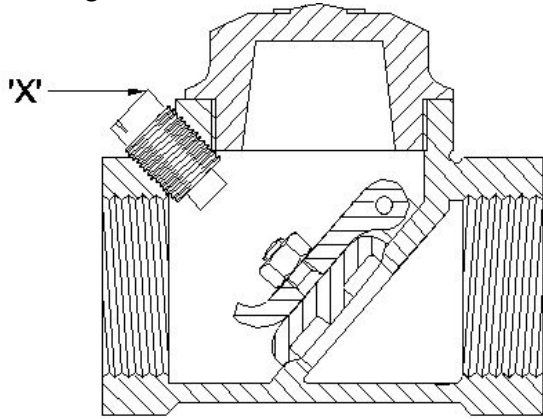
- (A) Cylinder
- (B) Piston
- (C) Seal
- (D) Spring

Correct Answer: B

15). Why filter is installed in suction line of hydraulic pump?

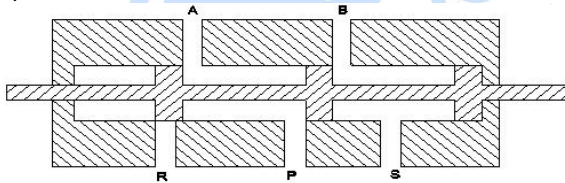
Pneumatic & Hydraulics components

1). What is the name of the part marked as 'x' shown in the figure?



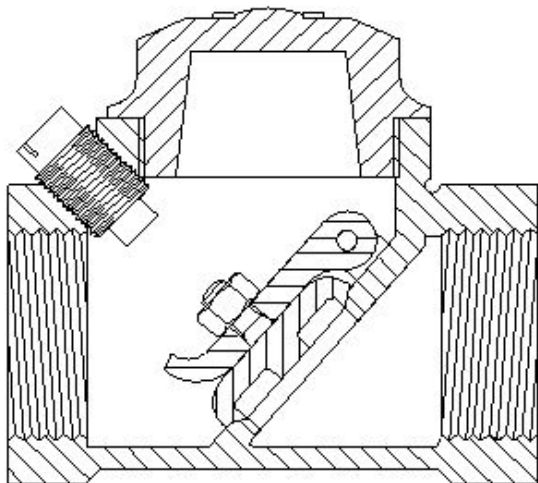
- (A) Disc
 - (B) Stop plug
 - (C) Hinge pin
 - (D) Disc hinge nut
- Correct Answer: B

2). What is the name of the valve shown in the figure?



- (A) 5 port 2 position valve
 - (B) 3 port 2 position valve
 - (C) 4 port 3 position valve
 - (D) 4 port 2 position valve
- Correct Answer: A

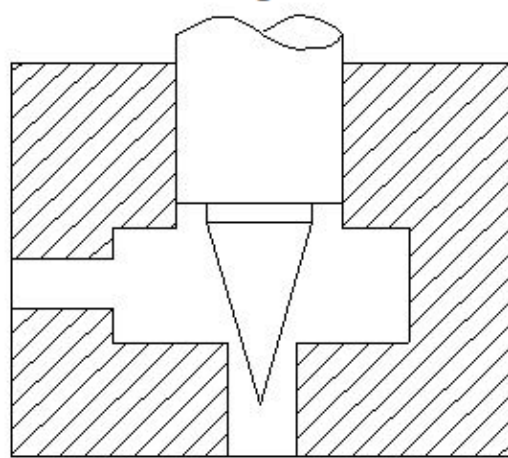
3). What is the name of the valve shown in the figure?



- (A) Flow control valve
- (B) Ball type check valve
- (C) Swing check valve

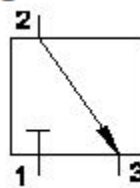
(D) Pressure type valve
Correct Answer: C

4). How to reduce the air flow from the sketch shown in the figure?



- (A) Applying more pressure
 - (B) Applying less pressure
 - (C) Less opening of needle
 - (D) More opening of needle
- Correct Answer: C

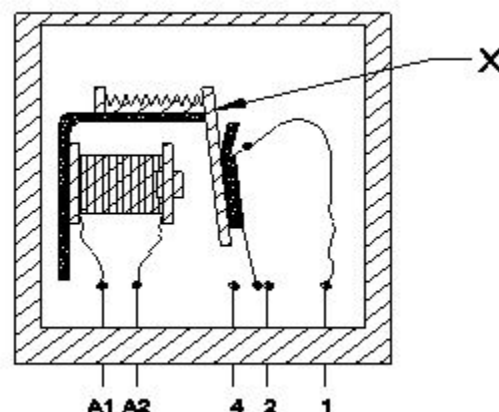
5). What is the air flow direction shown in the figure?



- (A) No air flow
- (B) 2 to 3
- (C) 3 to 2
- (D) 1

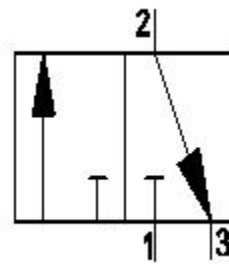
Correct Answer: B

6). What is the name of the part marked as 'x' shown in the figure?

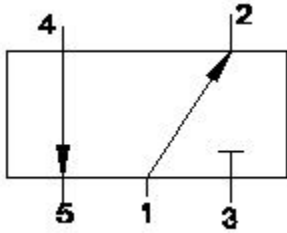


- (A) Return spring
- (B) Contact terminal
- (C) Coil core
- (D) Armature

Correct Answer: D



7). What is the closed port in symbol shown in the figure?



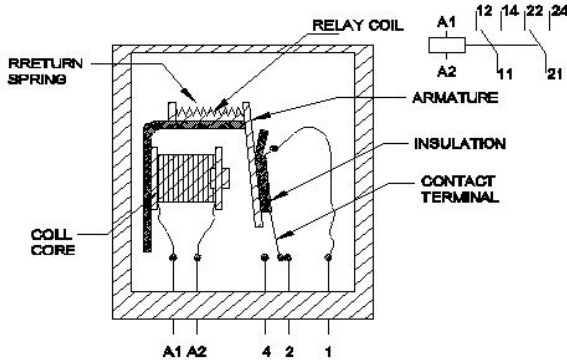
- (A) Port 1
- (B) Port 2
- (C) Port 3
- (D) Port 4

Correct Answer : C

- (A) Directional control valve
- (B) Flow control valve
- (C) 3/2-way valve
- (D) 5/2-way valve

Correct Answer: C

8). What happens, if voltage is applied to the coil of a relay in an electromagnetic switch shown in the figure?



- (A) Armature start rotating
- (B) Intensity of current increases
- (C) Intensity of current decreases
- (D) Electromagnetic field created

Correct Answer: D

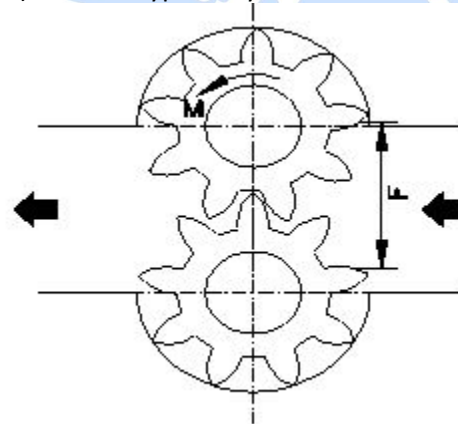
9). What is the cause for the armature being attracted to the coil core in an electromagnetic actuated switches?

- (A) Electromagnet field produced in solenoid coil
- (B) Electromagnet field produced in relay coil
- (C) Electromagnet field produced in return spring
- (D) Electromagnet field produced in armature

Correct Answer: A

10). What is the name of the valve symbol shown in the figure?

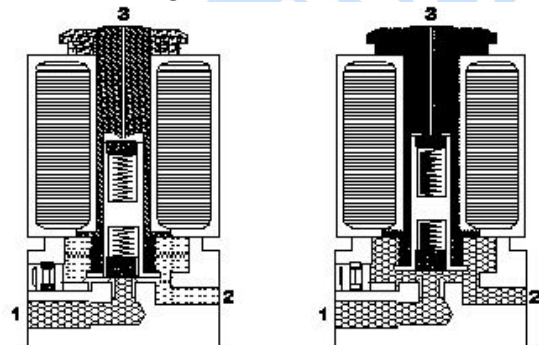
11). Which type of hydro motor is shown in the figure?



- (A) Gear type
- (B) Vane type
- (C) Piston type
- (D) Propeller type

Correct Answer: A

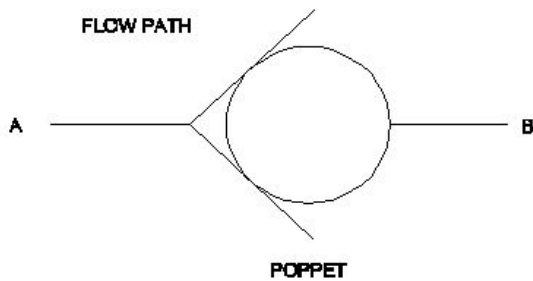
12). How the air flow in a single solenoid valve is shown in the figure?



- (A) Port 1 to 2
- (B) Port 2 to 1
- (C) Port 1 to 3
- (D) Port 2 to 3

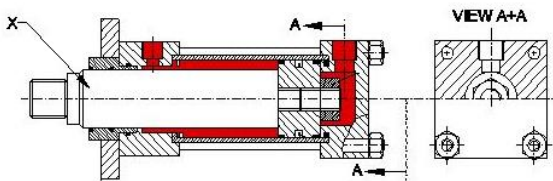
Correct Answer: A

13). What is the name of the valve symbol shown in the figure?



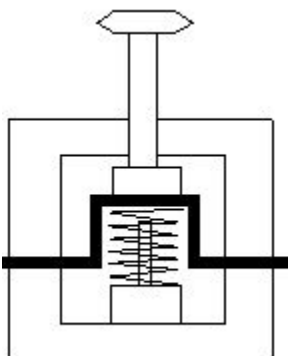
- (A) Non-return valve
 - (B) 3/2-way valve
 - (C) Roller valve
 - (D) Pressure control valve
- Correct Answer: A

14). What is the name of the part marked as 'X' is shown in double acting cylinder figure?



- (A) Guide ring
 - (B) Piston rod
 - (C) Lock nut
 - (D) Cylinder cap
- Correct Answer: B

15). What is the name of the position of electro pneumatic push button in the changeover condition shown in the figure?

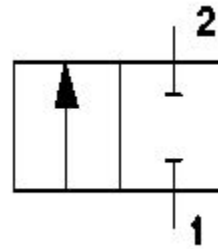


- (A) Vertical position
 - (B) Normal position
 - (C) Actuated position
 - (D) Horizontal position
- Correct Answer: C

16). Which valve is used for mechanical position to sense in machine automation system?

- (A) Pressure relief valve
 - (B) Roller valve
 - (C) Flow control valve
 - (D) Directional valve
- Correct Answer: B

17). What is the name of the pneumatic valve symbol shown in the figure?

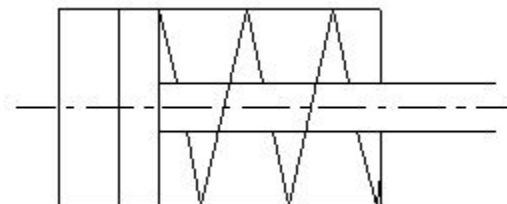


- (A) Directional control valve
 - (B) Roller valve
 - (C) Pressure valve
 - (D) Flow control valve
- Correct Answer: A

18). Which valve permits fluid flow in one direction and block flow in opposite direction?

- (A) Check valve
 - (B) Shuttle valve
 - (C) Flow control valve
 - (D) Pressure relief valve
- Correct Answer: A

19). What is the name of the symbol shown in the figure?



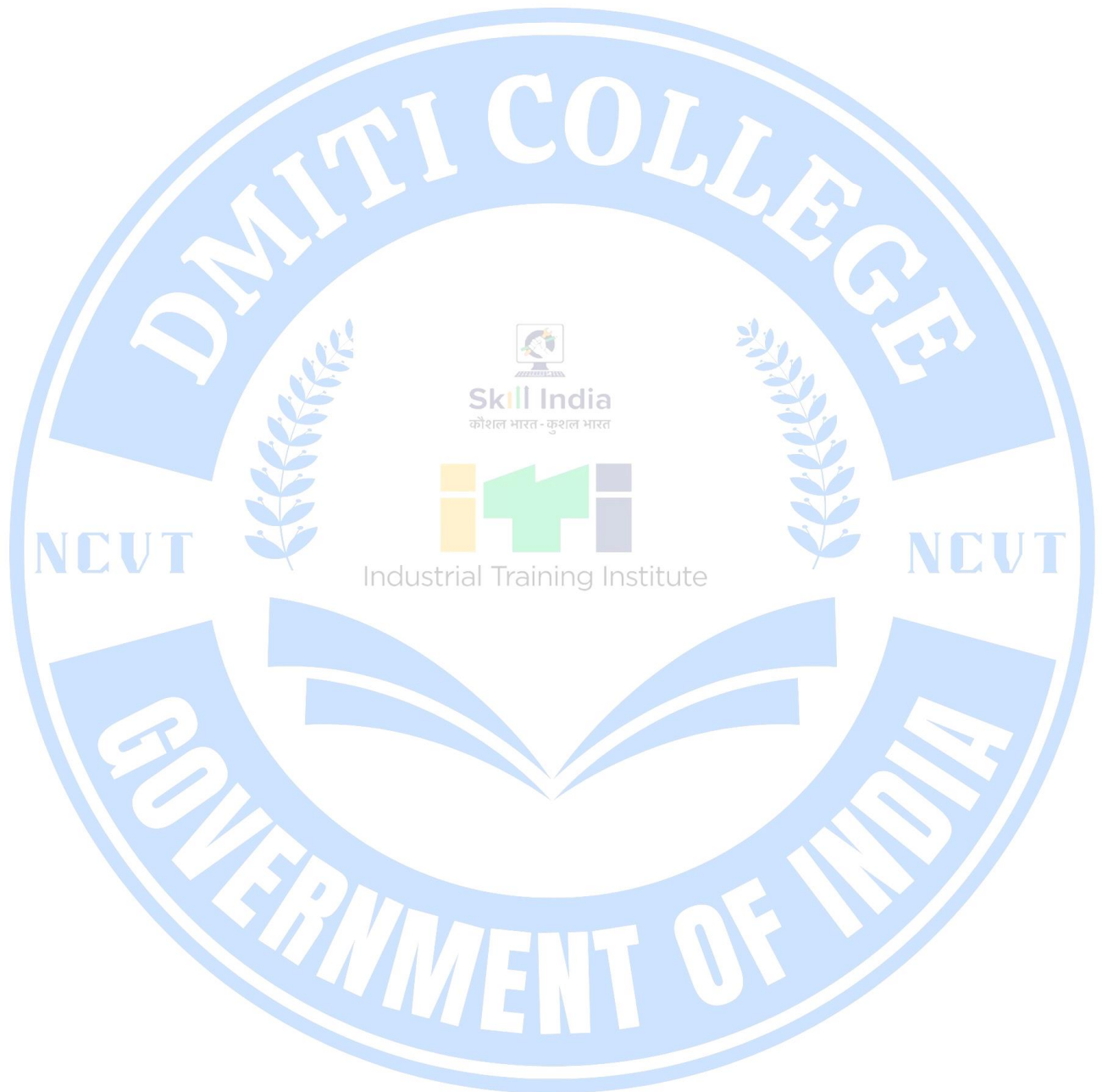
- (A) Moving part of valve
 - (B) Pressure relief valve
 - (C) Double acting cylinder
 - (D) Single acting cylinder with spring
- Correct Answer: D

20). What is the effect of the disc not being seated to its position in pneumatic swing check valve?

- (A) Regulates the flow rate
- (B) Air flows in reverse direction
- (C) Prevents the air flow in reverse direction

(D) Controls the direction of flow

Correct Answer: B



Pneumatic & Hydraulics circuits

1). Which cutting fluid is used for turning copper?

- (A) Kerosene
- (B) Mineral oil
- (C) Soluble oil
- (D) Lard oil

Correct Answer: C

2). How low speed gear is lubricated?

- (A) Oil pump
- (B) Splash type
- (C) Gravity feed
- (D) Oilcan type or brush

Correct Answer: D

3). Which documents are used for examining the process to identify areas of improvement?

- (A) Process chart
- (B) Productivity report
- (C) Job card
- (D) Stage inspection report

Correct Answer: A

4). What is the name of the document that shows the details of the job performed in a production shop?

- (A) Job card
- (B) Estimation card
- (C) Productivity card
- (D) Cycle time card

Correct Answer: A

5). Which property of lubricant readily separates water from the oil?

- (A) Viscosity
- (B) Oiliness
- (C) Emulsification
- (D) De-emulsification

Correct Answer: D

6). What chart shows a graphical representation of the activities performed during manufacturing?

- (A) Man-machine chart
- (B) Control chart
- (C) Process chart
- (D) Bar chart

Correct Answer: C

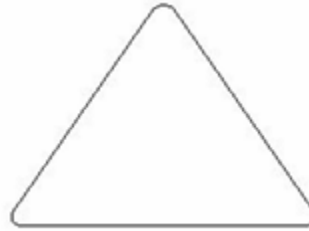
7). Which system has categorized wick feed lubrication?

- (A) Hand feed
- (B) Force feed
- (C) Splash feed

(D) Gravity feed

Correct Answer: D

8). What is the frequency of oiling symbol shown in the figure?



- (A) Daily
- (B) Weekly
- (C) Monthly
- (D) Frequently

Correct Answer: B

9). Why are the servo mesh oils prepared as gear oils?

- (A) Resistant to deposit formation
- (B) Resistant to lubricity
- (C) Resistant to oiliness
- (D) Resistant to viscosity

Correct Answer: A

10). Which document is used to record the part number, name of the part, batch number and batch quantity?

- (A) Batch processing record
- (B) Flow process chart
- (C) Bill of material
- (D) Production cycle time

Correct Answer: A

11). Which cutting fluid is used for heavy duty machine with less cutting speed?

- (A) Synthetic fluid
- (B) Straight mineral oil
- (C) Fatty oil
- (D) Soluble oil

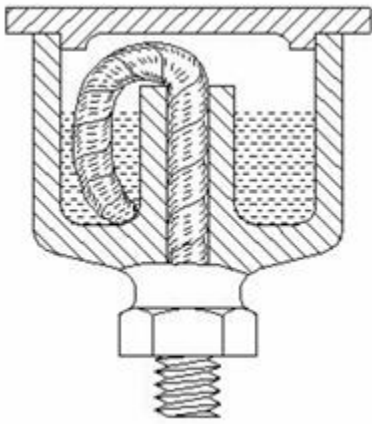
Correct Answer: C

12). Which is classified as hydrostatic lubrication?

- (A) Fluidity of lubricant
- (B) Oiliness of lubricant
- (C) Thick film of lubricant
- (D) Thin film of lubricant

Correct Answer: C

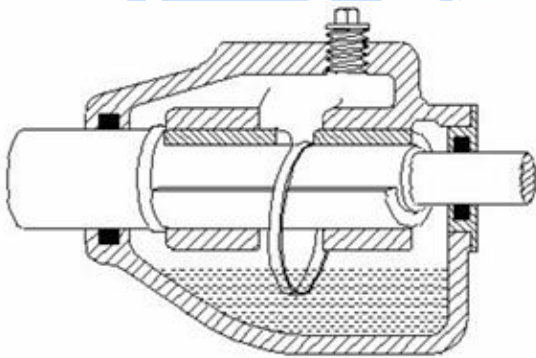
13). What is the name of the lubrication system shown in the figure?



- (A) Wick feed
- (B) Splash feed
- (C) Ring oiling feed
- (D) Hand pressure feed

Correct Answer: A

14). What is the name of the lubrication system shown in the figure?



- (A) Wick feed
- (B) Ring oiling
- (C) Splash system
- (D) Manual screw down system

Correct Answer: B

15). What is the name of the report used to measure and review the efficiency of a person, machine and factory?

- (A) Medical report
- (B) Audit report
- (C) Inspection report
- (D) Productivity report

Correct Answer: D

16). Which type of lock washer uses flat or oval type head screw?

- (A) External type
- (B) Internal type
- (C) Counter sunk type

(D) Internal and external type

Correct Answer: C

17). Which cutting fluid is used for threading in general purpose steel?

- (A) Soluble oil
- (B) Sulphurized oil
- (C) Kerosene
- (D) Dry

Correct Answer: B

18). Which cutting fluid dissolves in water giving a milky white solution?

- (A) Fatty oil
- (B) Straight mineral oil
- (C) Soluble oil
- (D) Blended oil

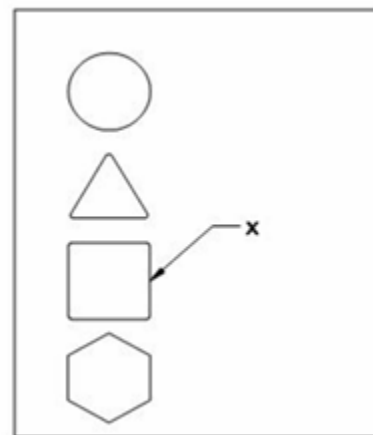
Correct Answer: C

19). What is the frequency of oiling symbol marked as 'x' shown in the figure?



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- (A) Daily
- (B) Weekly
- (C) Monthly
- (D) Yearly

Correct Answer: C

20). What is the name of the format used to list the parts involved in the manufacturing of an assembly?

- (A) Productivity report
- (B) Flow process chart
- (C) Batch processing record
- (D) Bill of material

Correct Answer: D

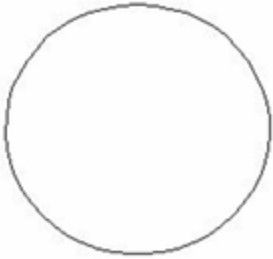
21). Which document used to authorize and instruct the work team to take a production work?

- (A) Process chart

- (B) Productivity report
 - (C) Job card
 - (D) Inspection report
- Correct Answer: C

- (D) Decreases the speed of the shaft
- Correct Answer: B

22). What is the frequency of oiling symbol shown in the figure?



- (A) Daily
 - (B) Weekly
 - (C) Monthly
 - (D) Once in six month
- Correct Answer: A

23). What is the purpose of process chart?

- (A) Efficiency of a person
 - (B) For examining the process
 - (C) To document the batch processing details
 - (D) Parts involved in manufacturing
- Correct Answer: B

24). What is the name of tooth type lock washer shown in the figure?



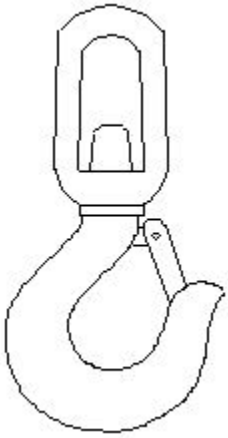
- (A) Internal type
 - (B) External type
 - (C) Counter sink type
 - (D) Internal and external type
- Correct Answer: B

25). What is the effect of the lubricating film formed around the shaft when the shaft is rotating at full speed?

- (A) Increases the frictional resistance
- (B) Decreases the frictional resistance
- (C) Increases the speed of the shaft

Preventive maintenance

1). What is the name of the slinging device shown in the figure?



- (A) Eye hook
- (B) Eye hook with safety catch
- (C) Barrel hook
- (D) Swivel spring safety hook

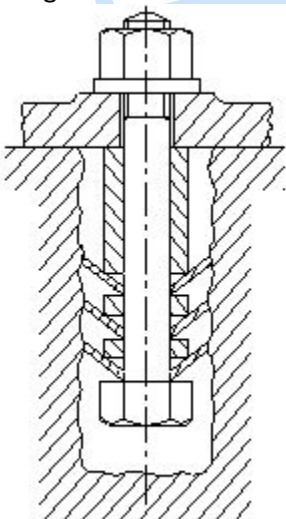
Correct Answer: D

2). Why lifting pockets are provided with equipment?

- (A) Place the steel wedge
- (B) Provision for bolt and nut
- (C) Place the crowbar for lifting
- (D) Position the roller for moving

Correct Answer: C

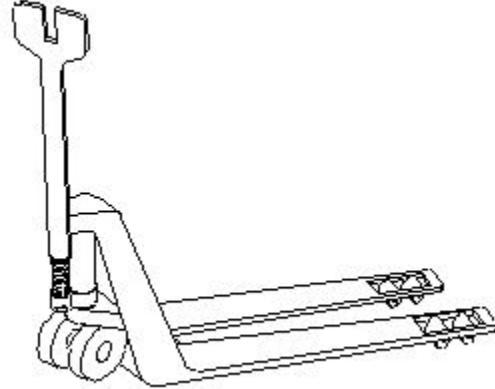
3). What is the name of the foundation bolt shown in the figure?



- (A) Eye bolt
- (B) Bent bolt
- (C) Rawl bolt
- (D) Conical washer foundation bolt

Correct Answer: D

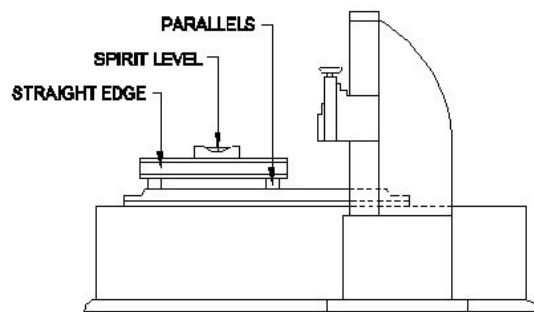
4). What is the name of the lifting equipment shown in the figure?



- (A) Fork lifter
- (B) Stacker
- (C) Hand pallet truck
- (D) Crane

Correct Answer: C

5). Why spirit level should be placed on bridge as shown in the figure?



- (A) To check the squareness
- (B) To avoid any error in spirit level
- (C) To correct the floor level error
- (D) Inaccuracy of the scraped surface

Correct Answer: D

6). What is the material of sling hooks?

- (A) Low carbon steel
- (B) High carbon steel
- (C) High tensile steel
- (D) Medium carbon steel

Correct Answer: C

7). Which aligns the machine tools accurately?

- (A) Try square
- (B) Precision spirit level
- (C) Steel rule
- (D) L' Square

Correct Answer: B

8). Which consists of a bridge that is constructed from several girders supporting travelling hoist?

- (A) Floor crane
- (B) Jib crane
- (C) Over head crane
- (D) Frame derrick crane

Correct Answer: C

9). Which lubricant property can withstand high pressure or load?

- (A) Oiliness
- (B) Viscosity
- (C) Fire point
- (D) Flashpoint

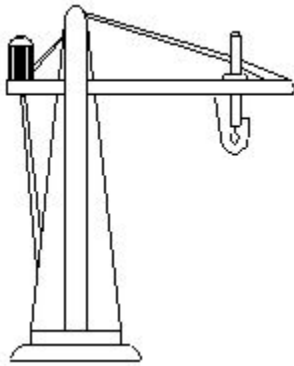
Correct Answer: B

10). Which crane is mounted at the base and is supported by the bearing plate at top?

- (A) Floor crane
- (B) Jib crane
- (C) Derrick crane
- (D) Gantry crane

Correct Answer: B

11). What is the name of the crane shown in the figure?



- (A) Pillar jib crane
- (B) Gantry crane
- (C) Travelling crane
- (D) Bracket jib crane

Correct Answer: A

12). Which property of oil catches fire and continues to be on flame?

- (A) Flash point
- (B) Fire point
- (C) Pour point
- (D) Oiliness

Correct Answer: B

13). Which operation is performed before geometrical tests on machines?

- (A) Erecting
- (B) Inspecting
- (C) Levelling
- (D) Grouting

Correct Answer: C

14). What is the purpose of rollers placed under the equipment?

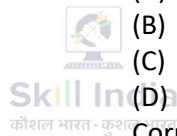
- (A) To move easily
- (B) To lift easily
- (C) To lower easily
- (D) To raise easily

Correct Answer: A

15). Why packers are placed between lifting load and wire rope sling?

- (A) Lifting load will not be damage
- (B) Lifting load will be in the center
- (C) To maintain the centre of gravity
- (D) To protect the sling at the edges of the load

Correct Answer: D



NCVT

GOVERNMENT OF INDIA

Basic Career Skills

1). Table, wire, socket, cable, hammer, nail - are _____

- (A) describing words
- (B) pronouns
- (C) naming words
- (D) action words

Correct Answer : C

2). Which of the following are included in a resume?

- (A) Hobbies, favorite foods, and personal interests
- (B) Childhood memories, dreams, and aspirations
- (C) Daily routine, favorite movies, and vacation plans
- (D) Contact information, educational details, skills and work experience

Correct Answer : D

3). While working on a project with other teammates, which of these make as a good team player?

- (A) Getting angry when others don't listen
- (B) Sharing ideas to help the team work faster
- (C) Thinking we never make a mistake
- (D) Not listening to teammates ideas and opinions

Correct Answer : B

4). What is formal communication?

- (A) All written communication
- (B) Official communication following a set of rules
- (C) Talking with friends and family
- (D) Casual chatting on social media

Correct Answer : B

5). When you start a discussion on a topic, what do you say?

- (A) Let you start
- (B) Let me say
- (C) Let us discuss
- (D) Let us finish

Correct Answer : C

6). Magnificent, sharp, lengthy, bright, - are examples of _____

- (A) describing words
- (B) action words
- (C) nouns
- (D) pronouns

Correct Answer : A

7). Which of the following is required for teamwork?

- (A) Proper communication
- (B) Money
- (C) Conflict and Argument
- (D) Easy tasks

Correct Answer : A

8). One of the informations in an informal conversation with a co-worker is _____

- (A) asking about their roles in the company.
- (B) asking about their house.
- (C) asking about their experience.
- (D) asking about the office timing.

Correct Answer : B

9). What is "informal communication"?

- (A) All verbal communication
- (B) Official communication following a set of rules
- (C) Casual conversations outside of official work arrangements
- (D) Talking at official meetings

Correct Answer : C

10). If coworkers are gossiping about another coworker, what you should do?

- (A) Feel that gossiping is inappropriate workplace behaviour
- (B) Join the conversation and continue
- (C) Tell another coworker about the gossip
- (D) Listen to the gossip

Correct Answer : A

11). Spoken communication is usually not only _____ but also _____

- (A) formal, informal
- (B) verbal, nonverbal
- (C) verbal, informal

(D) formal, nonverbal

Correct Answer : B

12). 'Hi,' 'How are you?', 'What's up?' are examples of _____.

- (A) formal communication
- (B) informal communication
- (C) polite communication
- (D) impolite communication

Correct Answer : B

13). Fill up the blanks with suitable words so as to become a meaningful sentence. There are many dos and don'ts to be _____ while preparing for/attending an _____.

- (A) there, interview
- (B) identify, interview
- (C) identified, interviewed
- (D) identified, interview

Correct Answer : D

14). Which of the following is an informal situation within the workplace?

- (A) Working with files
- (B) Working on a desktop
- (C) Working on a laptop
- (D) Having a meal in the office canteen

Correct Answer : D

15). Complete the sentence with a suitable describing word. There is a factory in the area. The air is _____.

- (A) polluted
- (B) boring
- (C) uneven
- (D) noisy

Correct Answer : A

16). Which of the following is an important step to take before sending your resume?

- (A) Use complex words
- (B) Focus only on technical skills
- (C) Ensure details like phone number and email are correct
- (D) Skip proofreading

Correct Answer : C

17). Which of the following is a formal introduction in a job interview?

- (A) "Hey, nice to meet you!"
- (B) "Hi, what's your name?"
- (C) "hello.. You can start the interview!"
- (D) "Good morning. Thank you for the opportunity."

Correct Answer : D

18). Complete the sentence with a suitable describing word: There is a _____ garden with lovely flowers.

- (A) expensive
- (B) dim
- (C) lots of
- (D) beautiful

Correct Answer : D

19). Complete the sentence with appropriate word. The Plumber _____ the tap.

- (A) fit
- (B) are fitting
- (C) is fitting
- (D) were fitting

Correct Answer : C

20). Fill up the blank with a suitable word so as to become a meaningful sentence. Rainwater harvesting _____ to prevent water scarcity.

- (A) gives
- (B) gave
- (C) help
- (D) helps

Correct Answer : D

21). During a job interview, if you couldn't hear or understand a question, what would you say?

- (A) "Sorry! I didn't understand. Could you please repeat the question?"
- (B) "Hey, can you repeat that? I wasn't paying attention."
- (C) "I am lost. Can you say it again?"
- (D) "Speak clearly and repeat the question."

Correct Answer : A

22). What is a key component of a resume that outlines your relevant career experience and is used by experienced professionals?

- (A) Resume Profile
- (B) Resume Objective
- (C) Work Experience
- (D) Transferable Skills

Correct Answer : C

23). Which of the following is a key factor for a well-organized resume?

- (A) Complex designs
- (B) Fancy fonts
- (C) Simple designs and easy-to-read words
- (D) Long paragraphs

Correct Answer : C

24). During a job interview, which of the following responses shows good formal communication?

- (A) "I'm pretty good at a lot of things."
- (B) "Uh, I guess I can do a little bit of everything."
- (C) "My top three skills are problem-solving, teamwork, and attention to detail."
- (D) "I don't know, I never really thought about it."

Correct Answer : C

25). While addressing your boss, you should be _____.

- (A) Impolite
- (B) Informal
- (C) Formal
- (D) Expressive

Correct Answer : C

26). What is an example of formal written communication?

- (A) Texting a friend
- (B) Sending a WhatsApp message
- (C) Writing an email to your manager
- (D) Posting on social media platforms

Correct Answer : C

27). The ability to connect well with people is known as _____.

- (A) interpersonal skill
- (B) leadership
- (C) time management
- (D) creativity

Correct Answer : A

28). The ability to wait and stay calm is known as _____.

- (A) creativity
- (B) problem solving
- (C) patience
- (D) interpersonal skill

Correct Answer : C

29). Which of the following is included in the header section of a resume?

- (A) Resume summary or objective
- (B) Name, contact number, professional email ID, and address
- (C) Career goals and achievements
- (D) Relevant career experience

Correct Answer : B

30). What is the process of formally introducing oneself called?

- (A) Self-introduction
- (B) Hiring
- (C) Decision
- (D) Seeking

Correct Answer : A

31). The word 'resume' comes from French and means _____.

- (A) summary
- (B) education
- (C) experience
- (D) placement

Correct Answer : A

32). Which of the following statements shows good teamwork?

- (A) Keeping all ideas to yourself
- (B) Criticizing teammates' efforts
- (C) Working together towards a common goal
- (D) Ignoring others' ideas and opinions

Correct Answer : C

33). While applying for a job, the covering letter should be easy to read by means of _____.

- (A) long descriptions.
- (B) dividing the text into shorter paragraphs.

(C) increasing the font size.
(D) extra curricular activities.
Correct Answer : B

34). For applying a job, your first preparation is _____

- (A) book a ticket to the interview place
 - (B) save money for expenses
 - (C) prepare a resume
 - (D) prepare for the interview
- Correct Answer : C

35). What is very important to keep in mind while reviewing a resume?

- (A) Salary details
 - (B) Lot of information to get the job
 - (C) Interest and hobbies
 - (D) Highlight skills and qualifications that match the job
- Correct Answer : D

36). Which of the following is NOT a key component of a resume?

- (A) Relevant skills
 - (B) Additional information
 - (C) References
 - (D) Personal anecdotes
- Correct Answer : D

37). If a co-worker asks for a support with a task, proper way of responding is _____

- (A) ask, you don't even know this much?
 - (B) i am too busy right now.
 - (C) sure, I can help. What do you need?
 - (D) send a formal request via email.
- Correct Answer : C

38). Complete the sentence with a suitable describing word: There are _____ apartments in my neighborhood.

- (A) dim
 - (B) noise
 - (C) dull
 - (D) spacious
- Correct Answer : D

39). After preparing the resume, the next important step to do is _____

- (A) sending the resume to the employer.
 - (B) writing an impressive cover letter.
 - (C) preparing for interview.
 - (D) applying for the job.
- Correct Answer : B

40). Gestures, facial expressions, eye contact are examples of _____

- (A) verbal communication
 - (B) non-verbal communication
 - (C) oral communication
 - (D) written communication
- Correct Answer : B

41). Comma, full stop, question mark are examples of _____

- (A) design
 - (B) next paragraph
 - (C) formal communication
 - (D) punctuation mark
- Correct Answer : D

42). Important factors to check in a good resume are _____.

- (A) paper quality
 - (B) company details
 - (C) Correct information, free from spelling and grammar mistakes
 - (D) attractive words
- Correct Answer : C

43). Complete the sentence with a suitable describing word: There is a _____ playground near our house.

- (A) older
 - (B) big
 - (C) dim
 - (D) shiny
- Correct Answer : B

44). Which of the following actions in an official meeting shows appropriate workplace etiquette?

- (A) Checking phone and respond to messages
- (B) Chatting with coworkers
- (C) Interrupt the speaker in meeting

(D) Keeping the phone on silent mode and actively participate in the discussion

Correct Answer : D

45). What is workplace etiquette?

(A) Everyday manners outside of work

(B) Proper behaviour and workplace professionalism

(C) Casual behaviour with colleagues

(D) Gossiping

Correct Answer : B

46). Fix, measure, pull, lift, grind, mix, operate - are examples of _____

(A) pronouns

(B) action words

(C) describing words

(D) naming words

Correct Answer : B

47). Complete the sentence with a suitable describing word: The transportation to some rural areas is difficult as the roads are _____.

(A) dry

(B) polluted

(C) boring

(D) uneven

Correct Answer : D

48). Which of the following is considered as appropriate workplace behaviour?

(A) Being late to work regularly

(B) Interrupting others during meetings

(C) Talking loudly on the phone

(D) Maintaining a clean workspace

Correct Answer : D

49). Your team has completed a challenging project successfully. How should you celebrate the success?

(A) Say you did everything and don't praise others

(B) Blame the group for any errors

(C) Don't celebrate and start the next job

(D) Thank everyone in your group for helping

Correct Answer : D

50). Fill up the blanks with suitable words so as to become a meaningful sentence "Tell us about a difficult situation you have _____ and how you _____ to come out of it."

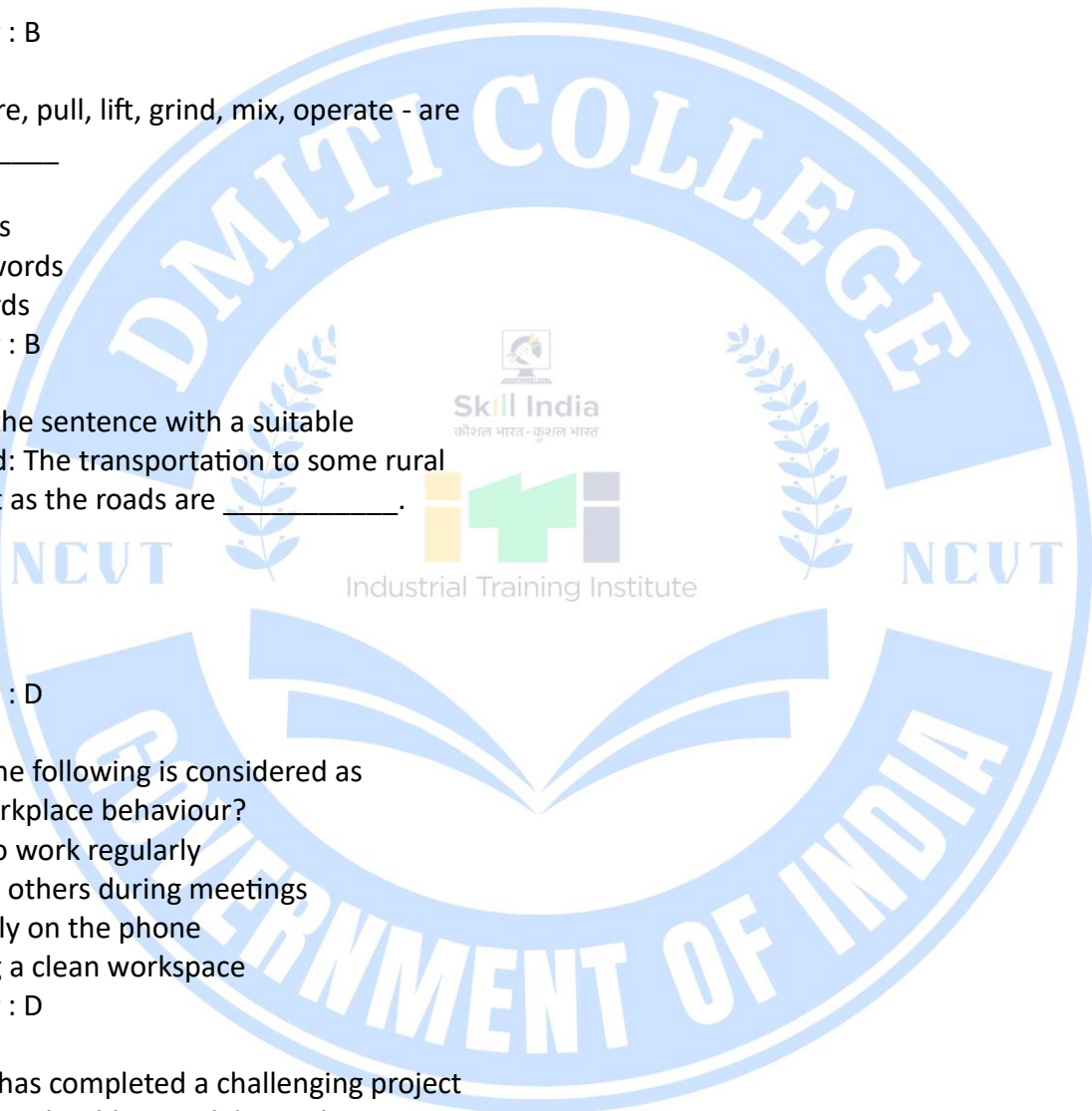
(A) face, manage

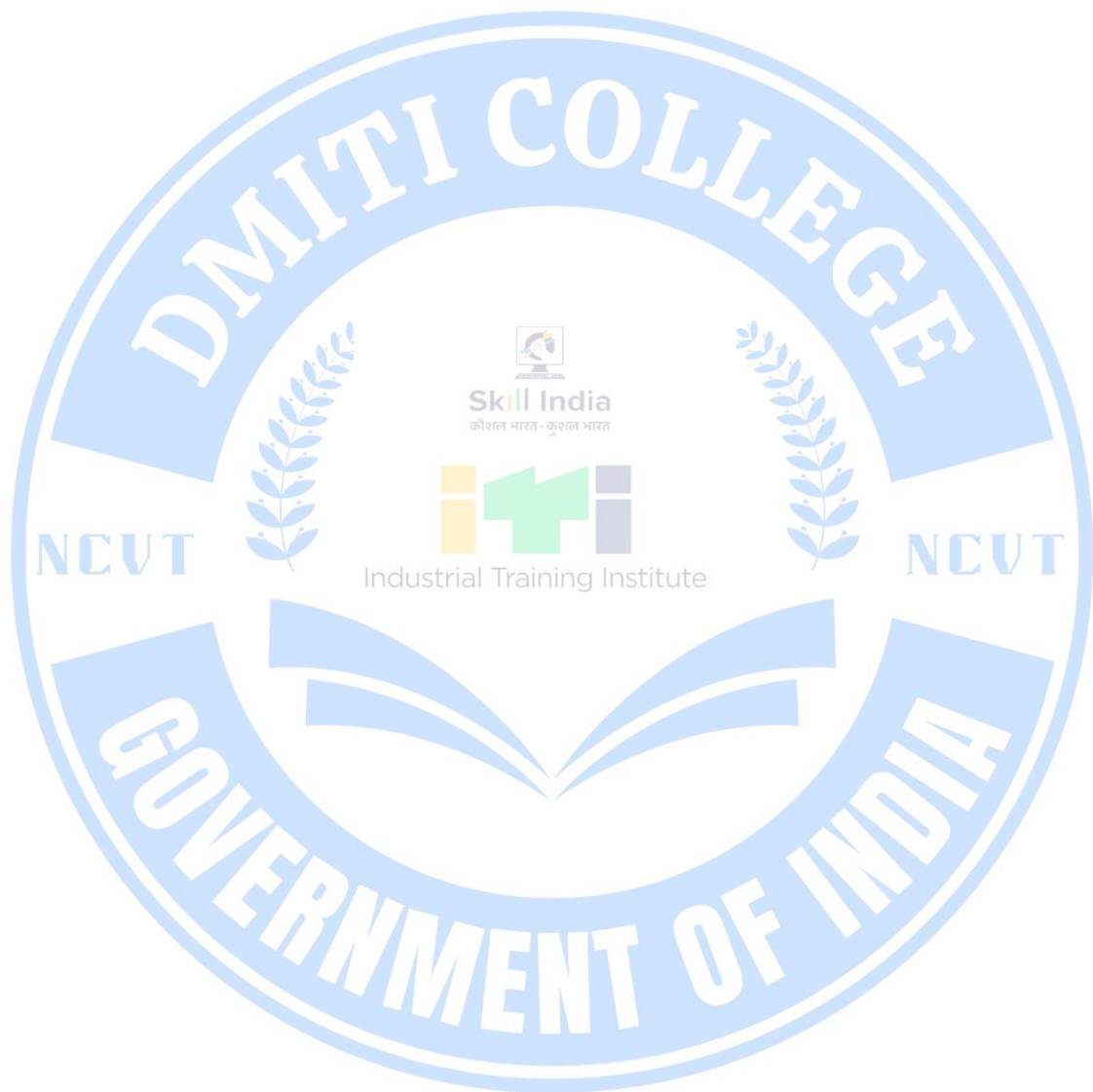
(B) managed, face

(C) faced, manage

(D) faced, managed

Correct Answer : D





Future Work Skills

1). Which of the following ways you should use to improve your technology skills?

- (A) Handwork
- (B) Playing
- (C) Social service
- (D) Social media, Online digital tools

Correct Answer : D

2). What is the benefit of self-employment?

- (A) Directly earning from your work
- (B) Fixed working hours
- (C) Monthly salary payment
- (D) Limited control over your tasks

Correct Answer : A

3). "Gig" economy is _____

- (A) A system of work where people work in part-time
- (B) Indian economy
- (C) Foreign economy
- (D) Regular job

Correct Answer : A

4). When a person joined a new company, he may be nervous using digital tablets provided at work.

That time he shall _____

- (A) Complain to his manager.
- (B) Ask his coworkers to do all the digital work.
- (C) Quit his job.
- (D) Keep an open mind and ask his coworkers to teach him

Correct Answer : D

5). How have workplaces changed after COVID?

- (A) No focus on technology
- (B) Flexible in working hours is nil
- (C) Mix of in-person and at-home work
- (D) Less job opportunities

Correct Answer : C

6). _____ are a great way for gig workers to find jobs.

- (A) Employment exchange
- (B) Online platforms and Apps
- (C) Employment news paper

(D) Placement cell

Correct Answer : B

7). How can users access the Skill India Digital Platform?

- (A) Only through offline training centers
- (B) Only on a specific type of device
- (C) Through a specialized learning app
- (D) On computers, tablets, and phones

Correct Answer : D

8). Which is an example of being open to learning in the workplace?

- (A) Refusing to attend training sessions to improve technology skills
- (B) Accepting and adapting to changes in work processes
- (C) Avoiding feedback from colleagues
- (D) Ignoring advancements in technology

Correct Answer : B

9). Separating paper and plastic from bio waste before throwing them away is _____

- (A) creativity
- (B) green mindset
- (C) innovation
- (D) profession

Correct Answer : B

10). Good practice for green mind set is _____.

- (A) taking a lot of printouts
- (B) using air conditioners all the time
- (C) keeping lights on all the time
- (D) separating and recycling waste

Correct Answer : D

11). Important factor to consider before migrating include _____.

- (A) easy job
- (B) tourist place
- (C) cost of living
- (D) freedom

Correct Answer : C

12). Skill India Digital is _____

- (A) a digital Movie
- (B) a platform for learning and career resource
- (C) central govt. office
- (D) name of a trade

Correct Answer : B

13). To learn digital marketing in the Skill India Digital Platform, we have to _____

- (A) search for job opportunities.
- (B) enroll in any course available.
- (C) explore the skill courses section.
- (D) find a physical training center.

Correct Answer : C

14). A beauty parlor staff follows environment-friendly actions by means of _____.

- (A) using plastic gloves.
- (B) using plastic cups.
- (C) discarding consumable items.
- (D) using non plastic materials, disposing wastes in an environmentally friendly way.

Correct Answer : D

15). Someone loves photography and dreams of starting his own photography business. They should start with _____.

- (A) buying the latest photography equipment, even if it is beyond their budget.
- (B) taking random pictures and sharing them online.
- (C) learning more about photography and joining a basic photography course.
- (D) starting advertising without any planning.

Correct Answer : C

16). What are green jobs?

- (A) Jobs shared in green colours
- (B) Jobs that harm the environment
- (C) Jobs that ignore waste separation and recycling
- (D) Jobs that conserve resources and help the environment

Correct Answer : D

17). How can you become self-employed?

- (A) Join an MBA course

(B) Try your idea on a small scale and join relevant short term course

- (C) Work in a company
- (D) Rely solely on luck

Correct Answer : B

18). A green practice involves any activity that _____

- (A) causes harm to the environment.
- (B) protects and takes care of the environment and resources.
- (C) involves consuming too much.
- (D) generates pollution.

Correct Answer : B

19). Migration of work means _____

- (A) shifting the industry
- (B) going to a different place to find a job
- (C) shifting of profession
- (D) working in different shifts

Correct Answer : B

20). What is the main purpose of the Skill India Digital Platform?

- (A) To offer offline training programs
- (B) To provide financial assistance for job seekers
- (C) To facilitate online learning and skill development
- (D) To promote international job opportunities

Correct Answer : C

21). What type of resources one can find in the Skill India Digital Platform?

- (A) Only job listings
- (B) Courses, skill centers, job opportunities, and more
- (C) Only eBooks and reading materials
- (D) Financial services and government schemes

Correct Answer : B

22). Which of the following best describes the gig economy?

- (A) A system where employees work full-time for a single employer
- (B) A system where workers take on part-time or temporary jobs

- (C) A system where workers are paid a fixed monthly salary
(D) A system where workers have fixed work hours and locations

Correct Answer : B

23). To become a gig worker, a person should find gig work opportunities by means of _____

- (A) Finding a multinational company.
(B) Connecting with friends, people you might know, and groups in your community.
(C) Independently searching for a job.
(D) Studying about gig work.

Correct Answer : B

24). What does having a green mindset mean?

- (A) Making choices that harm the environment
(B) Using resources without considering sustainability
(C) Ignoring pollution and waste management
(D) Caring for the environment and using resources wisely

Correct Answer : D

25). An important skill required for the future of work is _____.

- (A) Learning to make reels and TikTok videos.
(B) Avoiding learning new skills.
(C) Mastering internet skills.
(D) Avoiding building professional relationships.

Correct Answer : C

26). Green practice means _____

- (A) buying unnecessary items.
(B) leaving lights and fans on when leaving a room.
(C) carrying a cloth bag to buy groceries.
(D) buying single-use plastic water bottles.

Correct Answer : C

27). Which of the following is an app-based gig economy platform that helps people find part-time jobs?

- (A) Permanent employee
(B) Independent contractor
(C) Home catering
(D) Swiggy

Correct Answer : D

28). Which is an example of a self-employment?

- (A) Working full-time at a company
(B) Driving for a taxi company
(C) Being a student at a university
(D) Teaching subjects or skills as a personal tutor

Correct Answer : D

29). Which of the following is a regular, non-app-based gig economy job opportunity?

- (A) Uber
(B) Dunzo
(C) Home catering
(D) Swiggy

Correct Answer : C

30). Which of the following future workplace skills is likely to have less importance?

- (A) Working from home
(B) Working with digital tools
(C) Working hours strictly between 9 AM to 5 PM
(D) Adapting to new technology

Correct Answer : C

31). What does migrating for work mean?

- (A) Staying in the same place for work
(B) Changing jobs within the same city
(C) Moving to a different place to find a job
(D) Working from home

Correct Answer : C

32). Which among the following is self-employment idea?

- (A) Freelance tailoring Service
(B) Boutique owner
(C) Home catering service
(D) All the options

Correct Answer : D

33). Which section of the Skill India Digital Platform helps users find physical training centers nearby?

- (A) Skill courses
(B) Job Exchange
(C) Centres
(D) Recommendations

Correct Answer : C

34). What does a workplace look like after a pandemic like covid?

- (A) Mix of work from home and office
- (B) Empty space
- (C) Less employees
- (D) Less production

Correct Answer : A

35). Create a digital CV and share it with a QR code is _____

- (A) your digital identity
- (B) digital marketing
- (C) entrepreneurship
- (D) interview skill

Correct Answer : A

36). _____ is a time when you, your family, and your teacher meet and interact to understand and support each other better.

- (A) Family engagement
- (B) Family tour
- (C) Family meeting
- (D) Family income

Correct Answer : A

37). What is an important future workplace skill for employees?

- (A) Doing paperwork
- (B) Doing manual work
- (C) Networking and relationship-building
- (D) Planning holidays

Correct Answer : C

38). _____ is influenced by rapid change in technology

- (A) Future of work
- (B) Nature of work
- (C) Workforce
- (D) Working capital

Correct Answer : A

39). What is a common reason for people to migrate for work?

- (A) To learn new languages
- (B) To find better job opportunities
- (C) To spend time with family
- (D) To explore new places

Correct Answer : B

40). A green workplace _____

- (A) Uses less paper and energy-saving lights.
- (B) Uses disposable items and plastic water bottles.
- (C) Keeps the lights on all the time.
- (D) Ignores waste separation and recycling.

Correct Answer : A

41). A platform/app helps gig workers find customers and provide services at a fixed charge.

- (A) netflix
- (B) platform/app
- (C) school
- (D) bank

Correct Answer : B



Skill India
कौशल भारत - कुशल



Industrial Training Institute

42). If you want to work in a foreign country, to migrate safely, you have to Learn about the place, confirm the job before moving.

- (A) Learn about the place, confirm the job before moving.
- (B) Move and ask for confirmation.
- (C) Leave to foreign country without informing anyone.
- (D) Think how you spend your money.

Correct Answer : A

43). Which option below describes a "gig" in the gig economy?

- (A) A job with full-time hours and benefits
- (B) A typical 9-5 job
- (C) A specific task or project
- (D) No specific task

Correct Answer : C

44). A skilled electrician searching gig work that matches his skill will find job opportunities in Urban Company for offering home repair services

- (A) Amazon for selling products online
- (B) Zoom for video calls
- (C) Uber for driving people
- (D) Urban Company for offering home repair services

Correct Answer : D

45). Which term describes using things in a way that can last for a long time without causing harm?

- (A) Sustainability
- (B) Pollution
- (C) Eco-friendliness
- (D) Resources

Correct Answer : A

(D) Grow plants wherever possible

Correct Answer : D

46). What does self-employment mean?

- (A) Working for a single employer
- (B) Working independently and earning directly from your work
- (C) Receiving a fixed monthly salary
- (D) Working part-time from home

Correct Answer : B

47). Suggestion for green practices in the office canteen is Using steel plates and cups.

- (A) Delivering food in plastic packaging.
- (B) Using steel plates and cups.
- (C) Providing lunch to the staff in disposable plates.
- (D) Serve green vegetables.

Correct Answer : B

48). While going for a picnic with friends, you have been asked to bring disposable plates and cups.

With green mind set, your action will be bring reusable plates and cups.

- (A) say yes and bring disposable plates and cups.
- (B) bring reusable plates and cups.
- (C) ignore the invite to the picnic.
- (D) bring green color disposable plates and cups.

Correct Answer : B

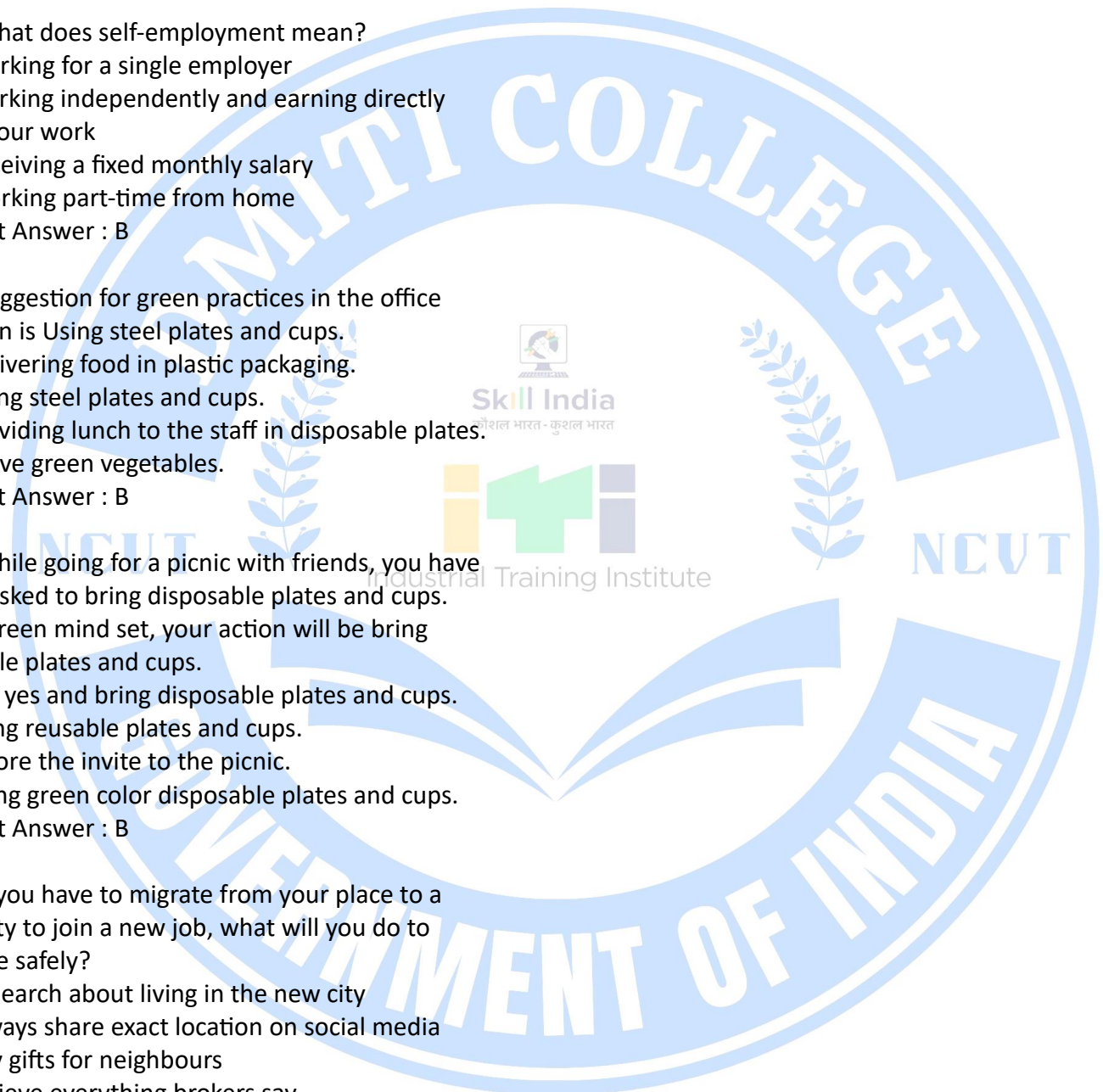
49). If you have to migrate from your place to a new city to join a new job, what will you do to migrate safely?

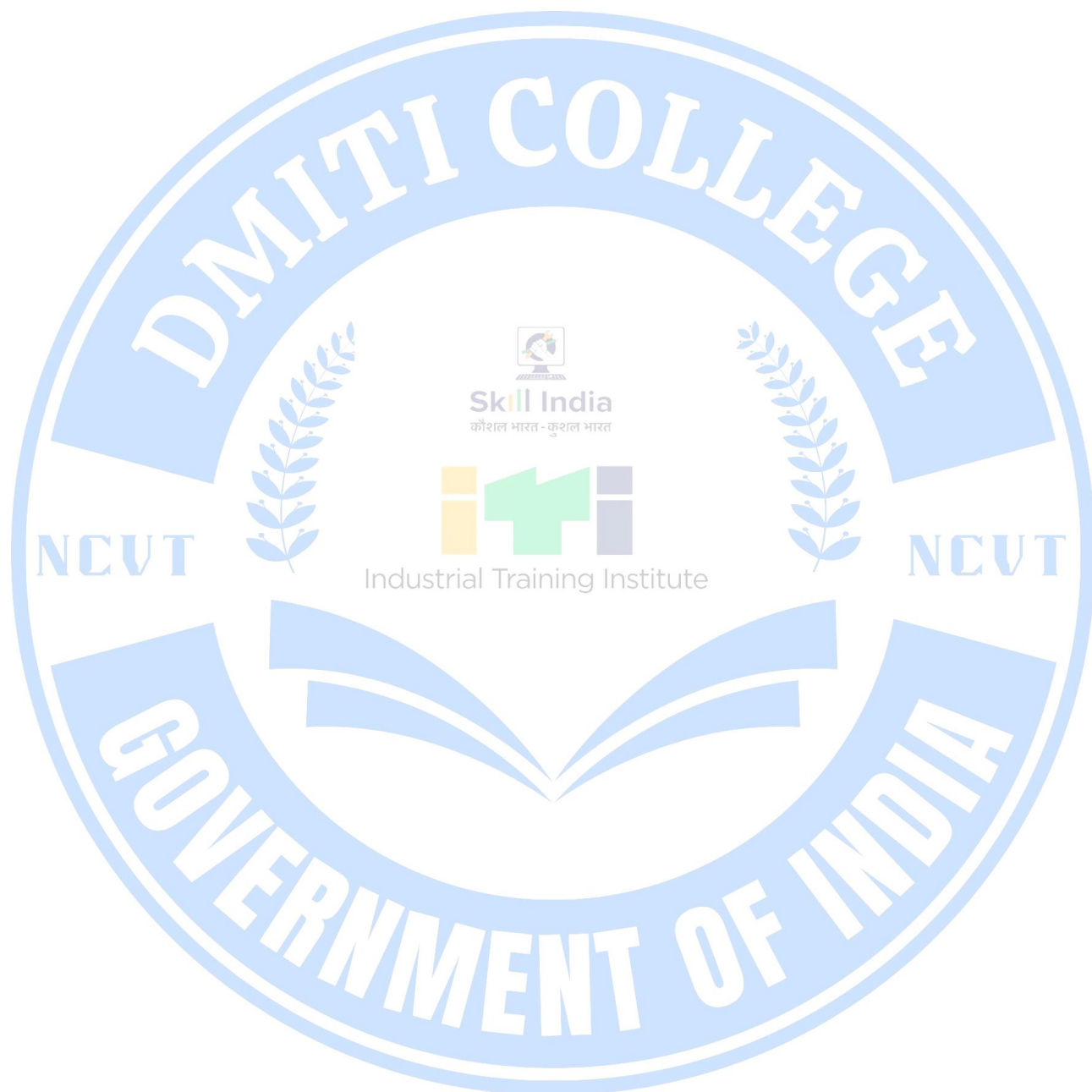
- (A) Research about living in the new city
- (B) Always share exact location on social media
- (C) Buy gifts for neighbours
- (D) Believe everything brokers say

Correct Answer : A

50). Which of the following is a green practice?

- (A) Using high power air conditioners
- (B) Using plastic containers
- (C) Not separating recycle waste





Internet Skills

1). In an email, where will you add the recipient's email address to whom you want to send the copy of an email?

- (A) To
- (B) CC
- (C) Bcc
- (D) Subject

Correct Answer : B

2). Shortcut keys Ctrl+C, Ctrl+V, Ctrl+S mean _____

- (A) save, cut, copy
- (B) cut, save, copy
- (C) copy, paste, save
- (D) cut, copy, save

Correct Answer : C

3). Which one is the input device among the options?

- (A) Monitor
- (B) Printer
- (C) Speaker
- (D) Keyboard

Correct Answer : D

4). How can linkedIn help you in finding a job?

- (A) Its economical
- (B) Connecting you with company, professionals faster
- (C) Its available in mobile
- (D) As informed by others

Correct Answer : B

5). When we want to type using our voice, we are using _____

- (A) voice of google
- (B) voice recognition feature
- (C) voicing technique
- (D) voice recorder

Correct Answer : B

6). _____ is an activity where students who finished their studies from institute and come to talk to the present students.

(A) Alumni Engagement

(B) Job mela

(C) Campus interview

(D) Conference

Correct Answer : A

7). What is a job portal?

(A) A building where you go to find work

(B) A place where you can play games and talk to friends

(C) A special room where job interviews happen online

(D) A website where companies post jobs and people can search and apply for them

Correct Answer : D

8). What is the standard way in which computers connect wirelessly?

(A) Wi-Fi

(B) WAN

(C) LAN

(D) ISP

Correct Answer : A

9). After collecting useful information for a project work, what will be the next step to do?

(A) Mix up all the information

(B) Share all the information with coworkers

(C) Read thoroughly the information and mark the important points

(D) Keep the information in separate folders

Correct Answer : C

10). Which one is a cyber crime?

(A) Sending email

(B) Online purchasing

(C) Online gambling

(D) Chatting with friends

Correct Answer : C

11). While sending a job application through email, how to share the resume and other documents?

(A) Click photos from phone and send it

- (B) Should not send documents over email as it is not safe
(C) Copying and pasting the content of the documents into the email body
(D) Attach the scanned documents as pdf with the email

Correct Answer : D

12). Which among the following is not an Online payment application?

- (A) Google Pay
(B) BHIM UPI
(C) Banking Applications
(D) Instagram

Correct Answer : D

13). The reason to reply to comments on your YouTube videos is _____

- (A) to get more videos
(B) make viewers feel connected
(C) to use the internet
(D) to get more friends

Correct Answer : B

14). While writing an email, why it is important to state the subject clearly?

- (A) Email cannot be sent without a subject line
(B) To tell the company what the email is about
(C) To show he has good English skills
(D) Subject should not be left blank

Correct Answer : B

15). Alexa, Google, Siri are in the category of _____

- (A) Musical instruments
(B) Voice recognition devices
(C) Voice recorders
(D) Translation devices

Correct Answer : B

16). For a project work you have collected some information from internet and sorted it. What is the best way to share it with your team?

- (A) Tell everything in detail
(B) Share only the main points clearly, use simple words and pictures, if possible

- (C) Talk about information which are not available
(D) Print all the information and give it to the team members

Correct Answer : B

17). Which wireless technology standard is used for exchanging data between fixed and mobile devices over short distance?

- (A) Router
(B) Bluetooth
(C) Pen drive
(D) CD/DVD

Correct Answer : B

18). A resume should be _____

- (A) having long and detailed information
(B) short and precise
(C) bold and colourful
(D) having acronyms and abbreviation

Correct Answer : B

19). The ability of a computer or machine to mimic the capabilities of the human mind is called _____

- (A) artificial intelligence
(B) intellect
(C) artificial performer
(D) natural intelligence

Correct Answer : A

20). An illegal activity committed on the internet is called _____

- (A) virus
(B) cyber crime
(C) search engine
(D) social networking

Correct Answer : B

21). Full form of GPS is _____

- (A) Globe Pointing System
(B) Great Polar System
(C) Global Positioning System
(D) Global Planning System

Correct Answer : C

22). While applying for a job, how to start an email to a company?

- (A) Start with a joke
- (B) Attach favorite photos
- (C) Begin with a clear subject line and a polite greeting
- (D) Write a short story about hobbies

Correct Answer : C

23). Which one is a web browser?

- (A) Facebook
- (B) Hotmail
- (C) Internet explorer
- (D) Outlook express

Correct Answer : C

24). What should be entered in the 'To' field when drafting an email?

- (A) The subject of the email
- (B) The recipient's email address
- (C) Your own email address
- (D) The main message content

Correct Answer : B

25). The physical part of a computer is called

- (A) software
- (B) hardware
- (C) malware
- (D) spyware

Correct Answer : B

26). A wireless technology that connects a laptop to the internet is called _____.

- (A) Bluetooth
- (B) Wi-Fi
- (C) Source Network
- (D) Desktop

Correct Answer : B

27). A software application used to enable computer users to locate and access web page is called _____

- (A) web browser
- (B) web server
- (C) website
- (D) email

Correct Answer : A

28). While thinking about learning, what are the questions you can ask yourself?

- (A) Its waste of time
- (B) It is very tough
- (C) How can I learn and understand better?
- (D) It is very difficult for me to understand

Correct Answer : C

29). The conversion of computer data from one format to another is called _____

- (A) pasting
- (B) copying
- (C) cutting
- (D) Data conversion

Correct Answer : D

30). Which one is essentially required to receive communication by Email?

- (A) Desktop
- (B) Printer
- (C) Email account
- (D) Laptop

Correct Answer : C

31). Which one is a search engine?

- (A) Flicker
- (B) Hotmail
- (C) Facebook
- (D) Google

Correct Answer : D

32). Which one is a social networking site?

- (A) Outlook express
- (B) Facebook
- (C) Lotus notes
- (D) Mozilla

Correct Answer : B

33). If you want to apply for jobs through Naukri.com, what you will do?

- (A) Select all the cities where jobs are available
- (B) Match the skills with the job description
- (C) Apply to all the jobs listed
- (D) Ignore the job descriptions

Correct Answer : B

34). While applying for a position as fitter, which of the following email subject lines would be the most suitable?

- (A) Fitter Job needed
- (B) Applying for a new Job
- (C) Urgent Attention Needed
- (D) Application for Fitter Position - [Your Name]

Correct Answer : D

35). You are a talented carpenter. In what way it will help your work on YouTube video?

- (A) It allows people to see your carpentry skills and appreciate your expertise
- (B) Just a time pass
- (C) Many related videos are available
- (D) Its a hobby

Correct Answer : A

36). _____ is a file storage and synchronization service of cloud computing developed by Google.

- (A) Internet Explorer
- (B) Google Drive
- (C) Netflix
- (D) Hard disc

Correct Answer : B

37). You have an Instagram page for jewellery business. What should you do to connect with viewers?

- (A) Post dance reels
- (B) Post about a T.V. show you like
- (C) Share daily updates about your business as Stories on social media
- (D) Post cooking videos

Correct Answer : C

38). A computer system consists of _____

- (A) software and program
- (B) hardware and software
- (C) mouse and keyboard
- (D) circuit diagram

Correct Answer : B

39). What is called a media presentation shared over the Internet?

- (A) Live media

(B) Live telecast

(C) Webcast

(D) Seminar

Correct Answer : C

40). Which of these is a skill needed for a digital age?

- (A) Critical thinking
- (B) Problem solving
- (C) All of the above
- (D) Communication

Correct Answer : C

41). What should you always remember when creating your profile on a job portal?

- (A) To include skills required for the job, even if you don't have them
- (B) To use a fake name
- (C) To always be truthful
- (D) To leave out important information

Correct Answer : C

42). The practice of using a network of remote servers hosted on the internet to store, manage and process data is called _____

- (A) Cloud computing
- (B) Search engine
- (C) Google
- (D) Yahoo

Correct Answer : A

43). Why is it good to think about what you learn?

- (A) It's a good time pass
- (B) It helps to remember and understand better. (C) It improves handwriting.
- (D) It makes you look busy.

Correct Answer : B

44). While applying for a job through email, what are the documents need to be attached?

- (A) Birth certificate
- (B) Resume, Course and Training Certificates
- (C) Address Proof
- (D) Photographs from childhood

Correct Answer : B

45). You are a trained electrician. If you want to get a job in Delhi, what are the key words you use to search in job portal?

- (A) Electrician job
- (B) Delhi job
- (C) Electrician jobs in Delhi
- (D) Electrician training

Correct Answer : C

(D) direction

Correct Answer : D

46). A secure Wi-Fi is one _____

- (A) that allows everyone to connect
- (B) that is open to the public
- (C) that has a password to login
- (D) that is opened by landline

Correct Answer : C

47). Checking the skills required is important before applying for a job, because _____

- (A) To be sure you can do the job well.
- (B) To chat with friends about it.
- (C) To impress the interviewer.
- (D) It is not important to check the skills required for a job.

Correct Answer : A

48). Which app is widely used for screen casting from your mobile phone?

- (A) WhatsApp
- (B) Facebook
- (C) Webcast
- (D) Mobizen

Correct Answer : D

49). You have bakery business. Using WhatsApp, what way it will help your Business?

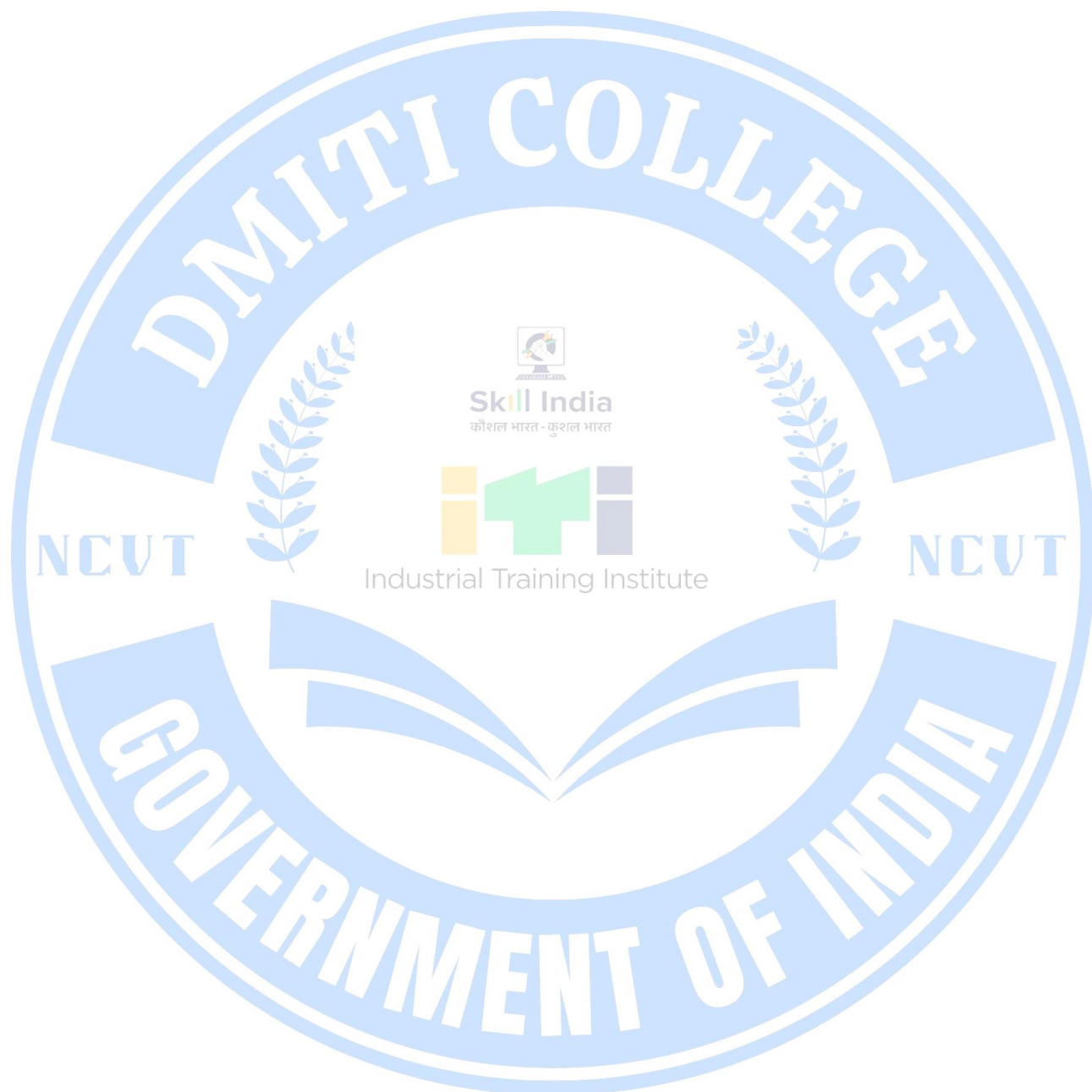
- (A) Chat with friends
- (B) Quickly respond to customer orders and questions
- (C) Watch baking tutorial videos
- (D) Check status updates

Correct Answer : B

50). We use Google maps to follow the _____ to reach a place.

- (A) destination
- (B) distance
- (C) demark





Professional Skills

1). How does design thinking help solve problems?

- (A) By following a strict process
- (B) By guessing solutions randomly
- (C) By understanding what people need and improving solutions
- (D) By trusting on personal assumptions

Correct Answer : C

2). What are the different steps in design thinking?

- (A) Imagine, Plan and Try
- (B) Try, Create and Decide
- (C) Listen, Choose, Plan, Try, Ask
- (D) Imagine, Decide, Create and Try

Correct Answer : C

3). While purchasing an equipment for your trade, how will you make decision?

- (A) Choose the cheapest machine available
- (B) Look at all the details, think carefully about the needs & budget and then make the choice
- (C) Pick the machine which you like
- (D) Choose the first machine you see

Correct Answer : B

4). When you do not know how to use a new machine, what will be your action?

- (A) Ask for help and learn how to use the machine
- (B) Take a break and do it later
- (C) Stay silent till someone teaches you
- (D) Leave the job

Correct Answer : A

5). What is work ethic?

- (A) Skills for work
- (B) Moral values at work
- (C) Physical labor
- (D) Measuring productivity

Correct Answer : B

6). A person's natural ability to do something is called _____

- (A) attitude
- (B) adaptability
- (C) aptitude
- (D) acceptance

Correct Answer : C

7). Which of the following best describes skills such as commitment, reliability, adaptability and flexibility?

- (A) Teamwork
- (B) Self-management
- (C) Business
- (D) Education

Correct Answer : B

8). If a factory manager gets a big order to deliver but there is a shortage of workers, the manager will _____

- (A) Stop working
- (B) Request workers to work extra hours
- (C) Ignore the problem
- (D) Cancel the orders

Correct Answer : B

9). Which of the following is a good work habit?

- (A) Getting tensed when work is challenging
- (B) Not following workplace rules
- (C) Choosing easy tasks
- (D) Not giving up when something goes wrong

Correct Answer : D

10). What is required for your career growth and sustainability?

- (A) Good behaviour
- (B) Degree
- (C) Opportunity
- (D) Build new skills

Correct Answer : D

11). While doing some difficult work, if it is not going on well, what we have to do?

- (A) Keep trying and look for another way
- (B) Take a break and give up
- (C) Ask someone else to do it for you
- (D) Get upset and quit trying

Correct Answer : A

12). A bag manufacturer designs a product and shows it to five different people for feedback. Why

is it important to listen to different users and not just one?

- (A) Because it's fun
- (B) To get a lot of ideas
- (C) To understand the common problems from different users
- (D) To get a lot of appreciation for her work

Correct Answer : C

13). Learning a new skill to do fundamentally the same nature of task is called _____

- (A) Reskilling
- (B) Upskilling
- (C) Semi-skilled
- (D) Technician

Correct Answer : B

14). What is a benefit of self-improvement?

- (A) Better relationships
- (B) Increased workload
- (C) Lower confidence
- (D) Stagnation

Correct Answer : A

15). Which of the following is a good working habit?

- (A) Complaining about coworkers
- (B) Arriving late to work
- (C) Dressing neatly
- (D) Ignoring tasks

Correct Answer : C

16). What are some resource related problems in a workplace?

- (A) Electricity
- (B) Less operators
- (C) More space for less machines
- (D) Shortage of materials and space

Correct Answer : D

17). When your team's project is unsuccessful, what will you do as a leader?

- (A) Blame the team for the failure
- (B) Encourage learning from mistakes
- (C) Scold them
- (D) Ignore the team members

Correct Answer : B

18). Why is a strong work ethic important?

- (A) More vacations
- (B) Slower work
- (C) Efficient productivity
- (D) Less teamwork

Correct Answer : C

19). _____ is always doing our work with dedication and to the best of our ability.

- (A) Self-management
- (B) Reliability
- (C) Commitment
- (D) Honesty

Correct Answer : C



20). If your first design of design thinking doesn't work, what should you do?

- (A) Give up on it
- (B) Ask for feedback and try to improve
- (C) Make something else
- (D) Purchase some other design

Correct Answer : B

21). While working with your team on a project, one of your coworkers is finding it difficult to finish their job. What should you do in this situation?

- (A) Finish their work for them.
- (B) Ignore their problem and focus on your own work.
- (C) Complain about them to the boss.
- (D) Help and support them to finish their work.

Correct Answer : D

22). What has drastically changed the world of work?

- (A) Environment
- (B) Technology
- (C) Investment
- (D) Workers

Correct Answer : B

23). While working on a project, you realized that you had made a mistake. What should you do?

- (A) Blame team members for the mistake

(B) Wait for someone else to find out about the mistake

(C) Tell your boss about the mistake

(D) Ignore the mistake and continue working

Correct Answer : C

24). Which of the following ways can help you work well with people?

(A) Technical skill

(B) Not doing any mistakes

(C) Not talking to coworkers

(D) Paying attention, staying calm in challenging situations

Correct Answer : D

25). Plan, Prepare, Perform is related to _____.

(A) your resume

(B) your work

(C) attending an interview

(D) your personality

Correct Answer : C

26). While working with a team, if we notice a co-worker struggling with their workload, what should we do?

(A) Ignore their struggles and focus on your own work.

(B) Offer to help them with their tasks.

(C) Laugh at their inability to manage their workload.

(D) Report their struggles to the supervisor.

Correct Answer : B

27). What should you do before making a choice at work?

(A) Don't think too much

(B) Look at the details, listen to others' ideas and choose

(C) Take immediate decision

(D) Don't discuss with others

Correct Answer : B

28). For career growth and _____ we need to build _____

(A) skills, sustainability

(B) skills, bridges

(C) sustainability, dams

(D) sustainability, new skills

Correct Answer : D

29). What is a good habit regarding your behavior towards coworkers?

(A) Ignore them

(B) Complain behind their backs

(C) Treat them with respect

(D) Avoid interaction

Correct Answer : C

30). Which of the following is a people skills required in a workplace?

(A) Driving skills

(B) **Being kind & Listening**

(C) Technical Skills

(D) Work alone

Correct Answer : B

31). Which is a good way to handle when some of your team member made a mistake?

(A) Blame the person who did the mistake

(B) Wait for someone else to solve it

(C) **Discuss and find a way to solve it**

(D) Get anger and scold the team

Correct Answer : C

32). What are some people related problems in a workplace?

(A) More staff in the workplace (B) More qualified workers (C) More experienced works

(D) **Workers do not communicate while facing the problem**

Correct Answer : D

33). What does working well together mean?

(A) Be friendly with all

(B) Not doing any mistakes

(C) Participate get-together

(D) **Sharing ideas, listening, finding solutions together**

Correct Answer : D

34). Your community wants to reduce plastic waste. How can you use design thinking to find new ideas to solve this problem?

(A) Ignore the problem because it's too difficult to solve

(B) Work together with shops or people nearby to find ways to use less plastic

(C) Make more things with plastic because they're easy to use

(D) Blame others for the plastic waste issue

Correct Answer : B

35). What does being punctual at work signify?

(A) Carelessness

(B) Professionalism

(C) Laziness

(D) Disinterest

Correct Answer : B

36). Which of these situations show people working well together as a team?

(A) Two people arguing and not agreeing

(B) A group sharing ideas and listening to each other

(C) One person doing all the work without any help from team members

(D) All are working without discussing each other

Correct Answer : B

37). _____ is a code of behaviour that is based on respect, values and professionalism.

(A) Workplace etiquette

(B) Business

(C) Education

(D) Experience

Correct Answer : A

38). When a manufacturer is trying to make a better school bag using design thinking, what would be the next step after understanding the students' needs in a bag?

(A) Plan different bag designs

(B) Ask students to test the bags

(C) Choose the material for the bag

(D) Choose the colour of the bag

Correct Answer : A

39). As a machine operator, if you find that your machine is not working properly, what should you do?

(A) Ignore it

(B) Try to find the cause and remedies for the problem to solve it

(C) Blame someone for the defect

(D) Hide the machine

Correct Answer : B

40). A person can get promotions based on his _____ and _____

(A) environment, experience

(B) example, qualifications

(C) qualifications, experience

(D) conduct, behaviour

Correct Answer : C

41). Which of the following best describes the self-management skill of reliability?

(A) Not completing tasks on time

(B) People always trust you to do your job well

(C) Ignoring the needs of others

(D) Not being honest with colleagues

Correct Answer : B

42). What term describes a person who is always trying out new ways to reuse waste materials?

(A) Planner

(B) Doer

(C) Idea Person

(D) Peacekeeper

Correct Answer : C

43). Which of the following behaviours is not a characteristic of a team player?

(A) Taking credit for others' work

(B) Listening to teammates' ideas

(C) Respecting different viewpoints

(D) Willingness to help others

Correct Answer : A

44). What should you avoid in your appearance at work?

(A) Wearing clean clothes

(B) Wrinkled clothes

(C) Neat appearance

(D) Proper uniform

Correct Answer : B

45). What will keep evolving there by making jobs undergo changes?

- (A) Time
- (B) Workforce
- (C) Technology**
- (D) Investment

Correct Answer : C

(A) Being respectful and polite in online communications

(B) Sharing someone's personal information without their permission

(C) Using appropriate language and avoiding offensive content

(D) Respecting others' privacy and digital boundaries

Correct Answer : B

46). In an organization where all workers are skilled and working systematically, the outcome will be _____.

- (A) Loss for the organisation
- (B) Confusion
- (C) Increased output and profit**
- (D) Less work gets done

Correct Answer : C

47). When we find a faster way to pack products at the factory, what should we do?

- (A) Pack products faster than our coworkers
- (B) Continue packing the way the team has been doing
- (C) Share the faster packing method with our team**
- (D) Keep the method as secret

Correct Answer : C



48). When a machine operator suddenly faces a problem and quickly finds another way to do the work, it is called _____.

- (A) Honesty
- (B) Adaptability**
- (C) Sincerity
- (D) Integrity

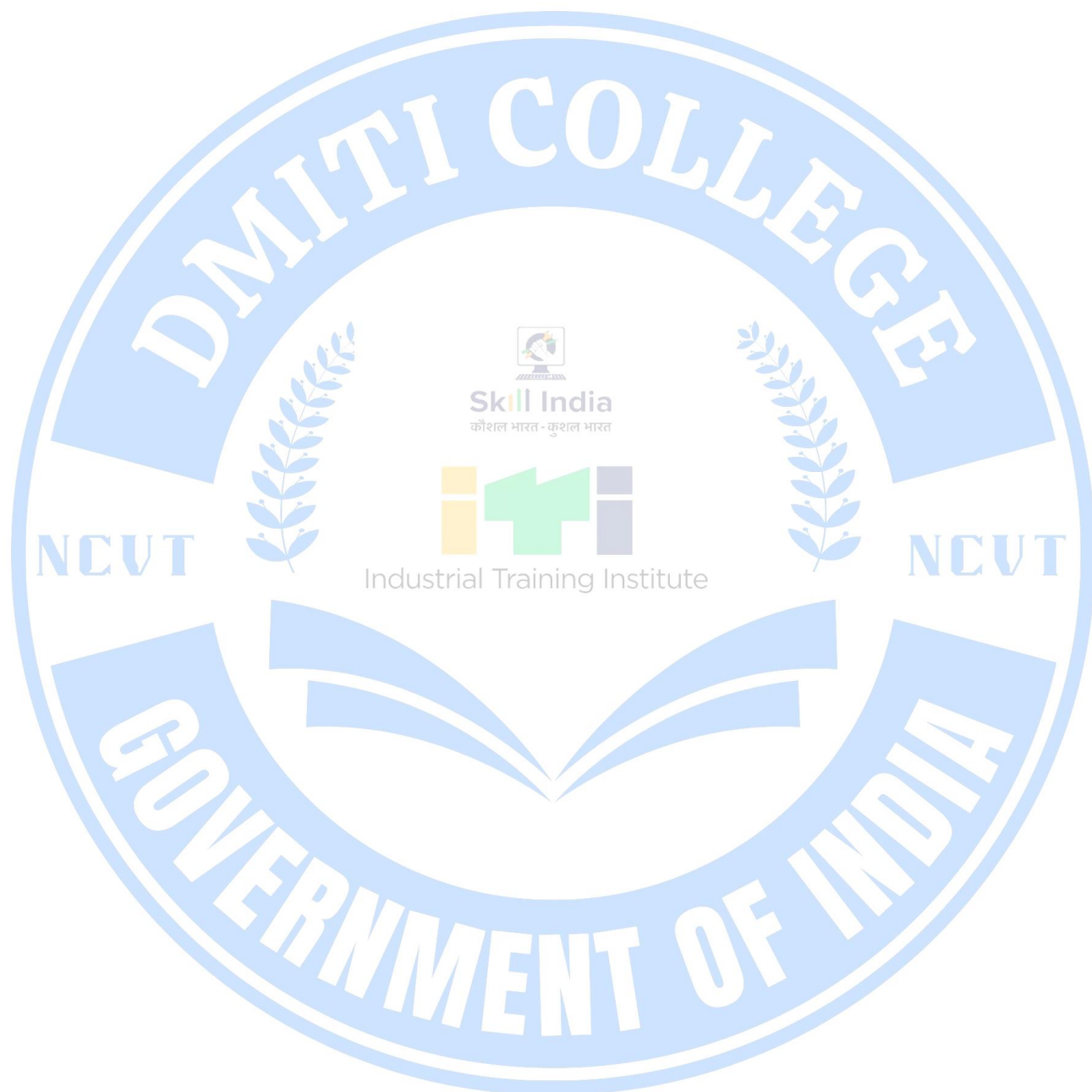
Correct Answer : B

49). If you are making a new app for the people, why it is important to test it?

- (A) To show people how good you are at making apps
- (B) To check if people like the colors and pictures
- (C) Because it's fun to watch others try your app
- (D) To see how people use it and make it better**

Correct Answer : D

50). Which of the following is not an example of a good digital etiquette?



Entrepreneurial Skill

1). While making a business plan, which is not required to be mentioned?

- (A) Business idea
- (B) Startup costs
- (C) Future growth strategies
- (D) Personal interests and hobbies

Correct Answer : D

2). A person who is associated with the starting of a business is called _____

- (A) Merchant
- (B) Entrepreneur
- (C) Businessman
- (D) Sales Executive

Correct Answer : B

3). When someone needs funding for a small business, what should they do to find a suitable investor?

- (A) Start without funding and hope for an investor.
- (B) Attend networking events to meet suitable investors.
- (C) Send business plan to friends
- (D) Wait for the suitable investor

Correct Answer : B

4). Taking decisions on your own, after carefully thinking about them is the quality of _____

- (A) Self-awareness
- (B) Self-belief
- (C) Grit
- (D) Independent decision making

Correct Answer : D

5). If your coworkers don't agree with your project idea, what's a good way to handle it with an entrepreneurial mindset?

- (A) Give up on your idea
- (B) Stop talking about it
- (C) Ask for feedback and make your idea better with their help
- (D) Stick to your idea without listening to others

Correct Answer : C

6). Human resources are _____

- (A) Human right activists
- (B) your customers
- (C) your staff
- (D) your competitors

Correct Answer : C

7). While talking about your business plan to the audience, how will you make them understand your product better?

- (A) Repeat your explanation multiple times
- (B) Give demo of the product/service
- (C) Share overall business costs
- (D) Tell a joke

Correct Answer : B

8). Anitha started an Instagram page for her craft business. She used _____ marketing strategy.

- (A) Online
- (B) Taglines
- (C) Poster
- (D) Networking

Correct Answer : A

9). If you face a problem, which of the following entrepreneurial mindset traits would be most helpful?

- (A) Waiting until everything is perfect to do something
- (B) Taking action to solve the problem
- (C) Ignoring the problem and hoping it goes away
- (D) Blaming others for the problem

Correct Answer : B

10). What is required to gather feedback from your customers?

- (A) Advertisement on TV
- (B) Brochure
- (C) Billboards
- (D) Market survey

Correct Answer : D

11). Which one is a key skill to be used for a Market survey?

- (A) Communication
- (B) Computer knowledge
- (C) MBA Degree
- (D) Appearance

Correct Answer : A

12). What describes "Human Resources" in a furniture manufacturing company?

- (A) its products
- (B) its sales record
- (C) its profit
- (D) its employees

Correct Answer : D

13). Which of the following is not a resource?

- (A) Raw materials
- (B) Customer database
- (C) Finished products
- (D) Loss in business

Correct Answer : D

14). Why is it important to have a business plan before starting a business?

- (A) To get loan from bank
- (B) To show you are an entrepreneur
- (C) To identify potential challenges with clear goal and risks
- (D) Just a try

Correct Answer : C

15). Imagine you are setting up a mobile repair shop. Which of the following is the most important for its success?

- (A) Setting up the shop in a busy area
- (B) Offering repair services at a higher price
- (C) Putting up flyers in the neighbourhood
- (D) Picking the right shop name

Correct Answer : A

16). The activity of setting up a business or businesses, taking on financial risk in the hope of profit is called _____

- (A) Merchant
- (B) Entrepreneurship
- (C) Bank manager
- (D) Sales executive

Correct Answer : B

17). Working hard to achieve your goals and not giving up when you face failure is called _____

- (A) Independent decision making
- (B) Self-belief
- (C) Self-awareness
- (D) Grit

Correct Answer : D

18). When presenting your business plan to a potential investor, you should be clear about _____

- (A) staff strength
- (B) expected profit
- (C) bank loan
- (D) investment, expected customers, potential earnings

Correct Answer : D

19). What is the full form of GST?

- (A) Government Sales Tax
- (B) Goods Sales Tax
- (C) Goods and Services Tax
- (D) Government Service Tax

Correct Answer : C

20). What encourages entrepreneurship on a grand scale?

- (A) Become rich quickly
- (B) Become famous
- (C) Global leader
- (D) New business opportunities

Correct Answer : D

21). If you want to start a bakery business, what would you focus on first in your business plan?

- (A) Selecting a catchy name for the bakery
- (B) Calculating how much money you need to start the business
- (C) Planning how to advertise the bakery on social media
- (D) Figuring out how the business will grow

Correct Answer: B

22). Which of the following is a phase that should be completed before starting the promotional campaign?

- (A) Designing advertisements

- (B) Establishing direct marketing strategies
 - (C) Defining the product, its price, and the place of sale
 - (D) Planning public relations events
- Correct Answer : C

23). If you want to give people relevant information about you and your business in an easy way, you will _____

- (A) write on a piece of paper and give
- (B) ask them to search on Google
- (C) verbally tell them when they ask
- (D) give them your business card

Correct Answer : D

24). The first version of a product/service is called _____

- (A) model product
- (B) first initiative
- (C) prototype
- (D) first edition

Correct Answer : C

25). What should a business owner do to retain customers in a competitive market?

- (A) Lower their prices to match competitors
- (B) Identify and understand their customers' needs and preferences
- (C) Focus solely on superior quality without considering customer feedback
- (D) Offer a wider variety of products without any market research

Correct Answer : B



Friction

1). What is the purpose of a lubricant?

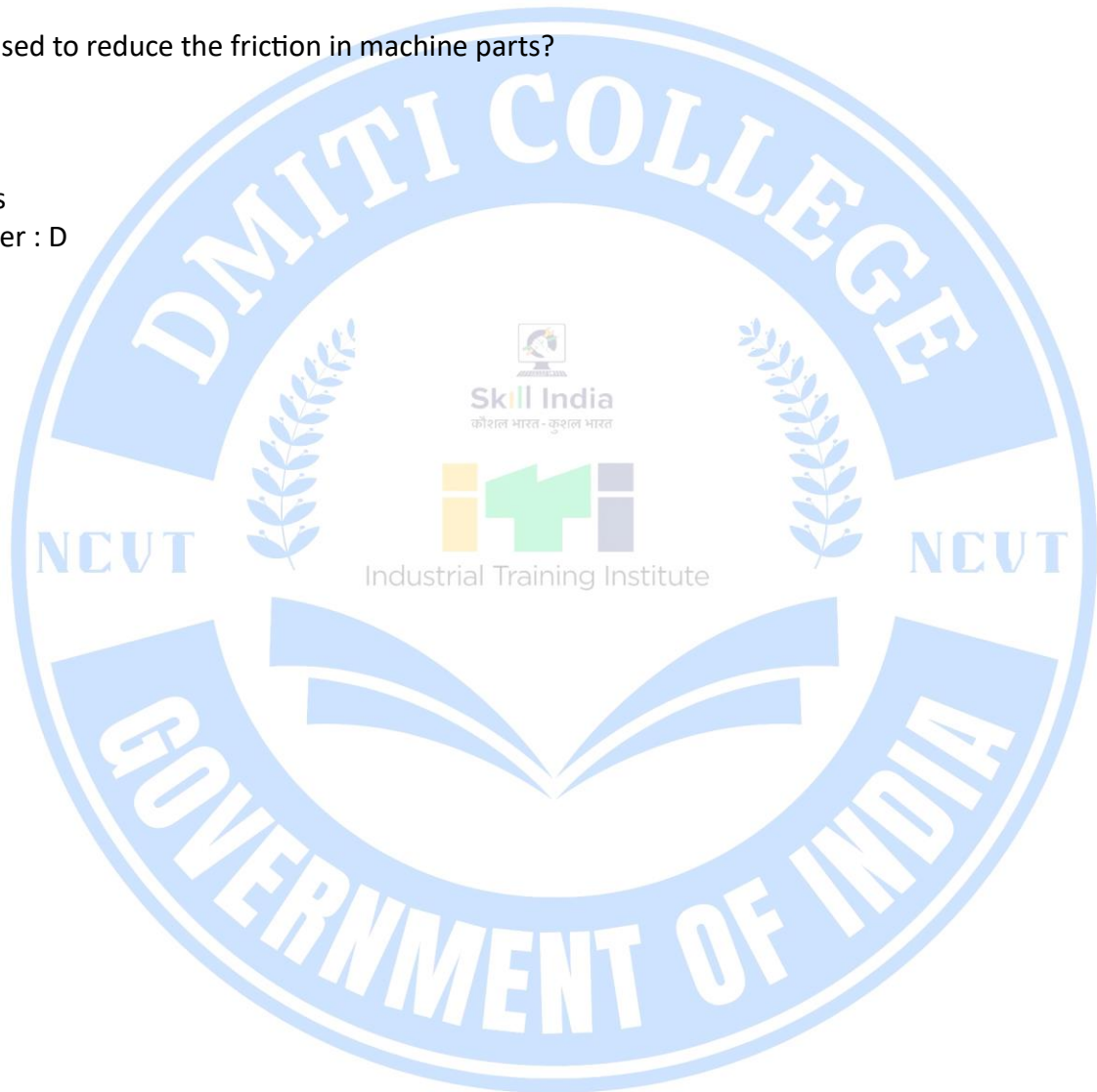
- (A) To increase the pressure
- (B) To increase friction
- (C) To reduce friction
- (D) To reduce pressure

Correct Answer : C

2). Which is used to reduce the friction in machine parts?

- (A) Kerosene
- (B) Petrol
- (C) Water
- (D) Lubricants

Correct Answer : D



Algebra

1). Which is the formula for a^m/a^n ?

(A) a^{m+n}

(B) a^{m-n}

(C) $a^{m \cdot n}$

(D) $(a^m)^n$

Correct Answer : B

2). What is the value of $14x+3y+25x+2y$?

(A) $17x + 27y$

(B) $16x + 28y$

(C) $39x + 5y$

(D) $44xy$

Correct Answer : C

3). What is the formula for $(a-b)^2$?

(A) $a^2 - 2ab + b^2$

(B) $a^2 + 2ab + b^2$

(C) $a^2 - 2ab - b^2$

(D) $-a^2 - 2ab - b^2$

Correct Answer : A

4). What is the value of $a^2 \cdot a^3 \cdot a^4$?

(A) a^7

(B) a^8

(C) a^9

(D) a^{10}

Correct Answer : D

5). What is the expanded form of $(a+b)^2$?

(A) $a^2 + 2ab + b^2$

(B) $a^2 - 2ab + b^2$

(C) $a^2 + 2ab - b^2$

(D) $-a^2 - 2ab + b^2$

Correct Answer : A

Elasticity

1). What is the unit of strain?

- (A) Kg/cm^2
- (B) Newton/metre²
- (C) Metre
- (D) No unit

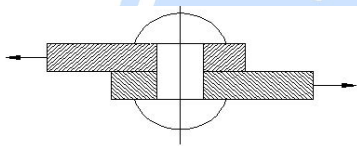
Correct Answer : D

2). Which symbol is used to express change in length?

- (A) L
- (B) Δl
- (C) l
- (D) e

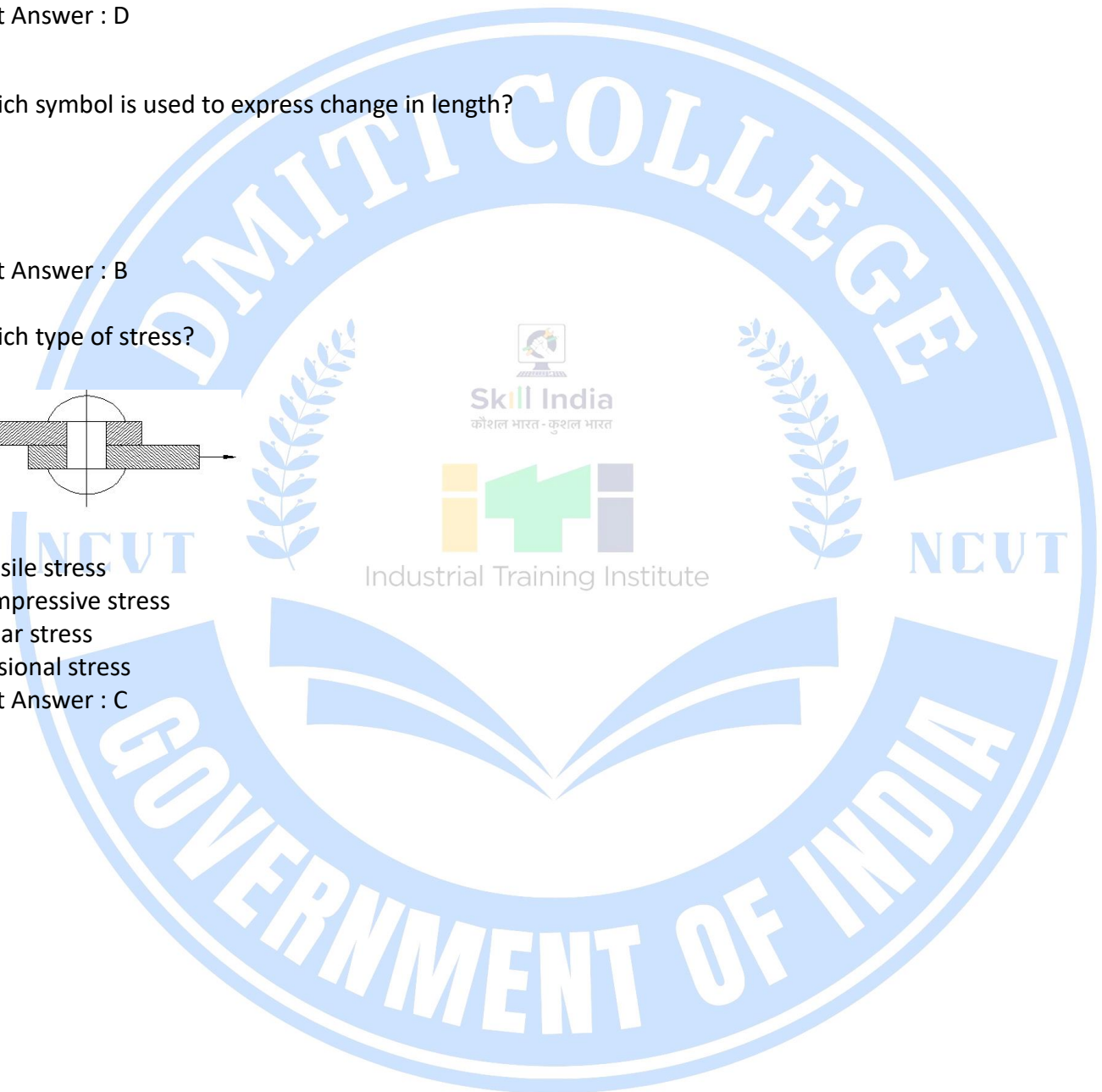
Correct Answer : B

3). Which type of stress?



- (A) Tensile stress
- (B) Compressive stress
- (C) Shear stress
- (D) Torsional stress

Correct Answer : C



Profit and Loss

1). What is the expanded form of S.P?

- (A) Selected Price
- (B) Special Price
- (C) Selling Price
- (D) Super Price

Correct Answer : C

2). How the 'Principal' is denoted in simple interest calculation?

- (A) 'P'
- (B) 'I'
- (C) 'R'
- (D) 'n'

Correct Answer : A

3). How the profit / gain is expressed?

- (A) ₹
- (B) \$
- (C) %
- (D) *

Correct Answer : C

4). What is denoted as 'I'?

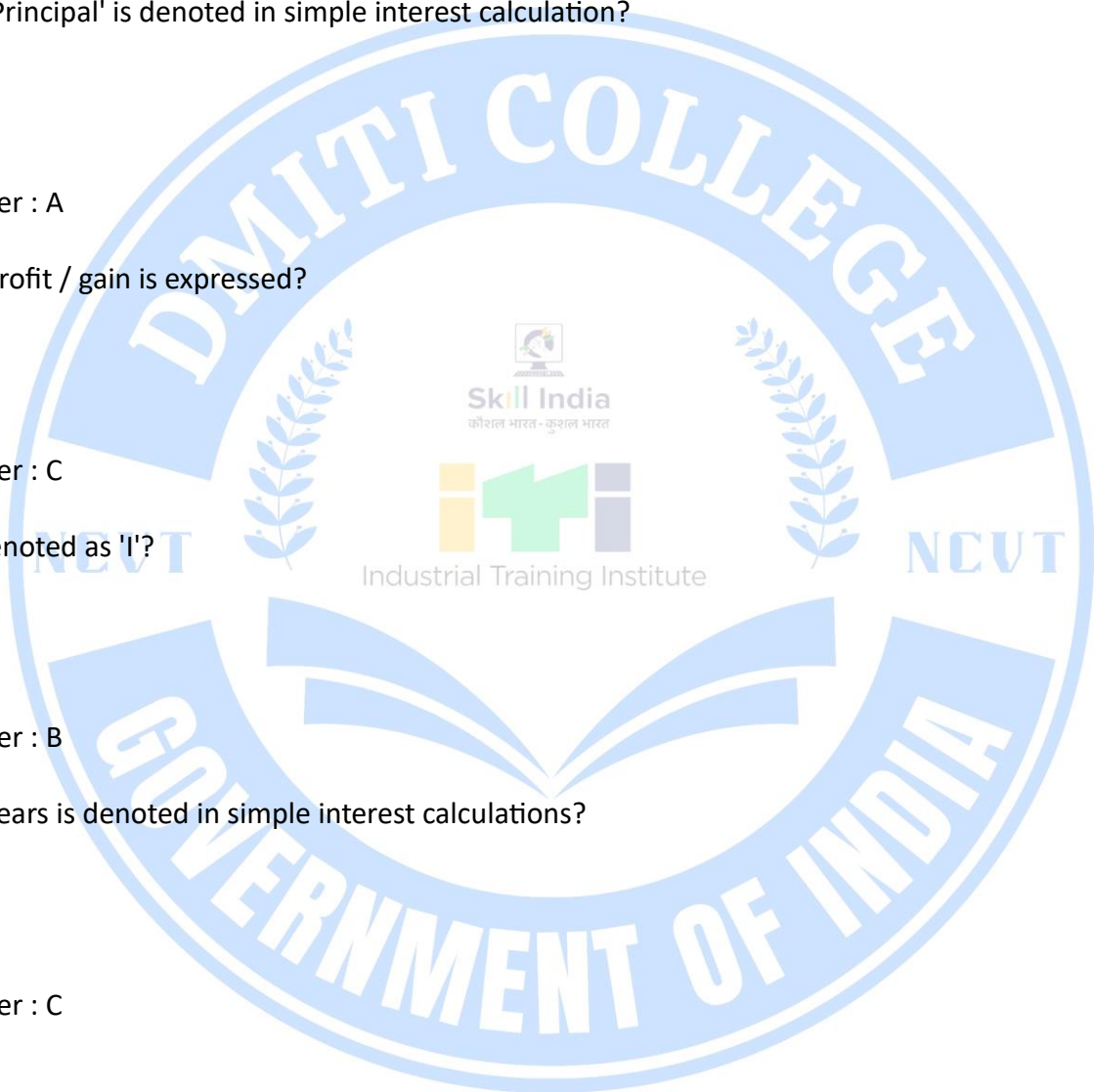
- (A) Principal
- (B) Interest
- (C) Rate
- (D) Year

Correct Answer : B

5). How the years is denoted in simple interest calculations?

- (A) P
- (B) I
- (C) n
- (D) r

Correct Answer : C



Estimation and Costing

1). What is the term used for the method of calculating various quantities and expenditure on a particular job or process?

- (A) Estimation
- (B) Drawing
- (C) Specification
- (D) Plan

Correct Answer : A

2). Which authority publishes schedule of rates?

- (A) Individual
- (B) Corporate
- (C) Partnership firm
- (D) Government department

Correct Answer : D

