

PROVISIONAL ANSWER KEY

Question Paper Code:	156/2026/OL
Category Code:	739/2025,742/2025,889/2025
Exam:	Power Plant Assistant/ Boiler Attender
Date of Test	29-09-2026
Department	Oil Palm India Limited

Question1:-Which part is used for fine adjustment in universal surface gauge?

A:-Scriber

B:-Snug

C:-Rocker Arm

D:-Spindle

Correct Answer:- Option-C

Question2:-In a combination set _____ can be rotated and set to any required angle.

A:-Protractor head

B:-Square head

C:-Centre head

D:-None these

Correct Answer:- Option-A

Question3:-Surface plates are generally made of _____

A:-Mild steel

B:-High carbon steel

C:-High speed steel

D:-Cast iron

Correct Answer:- Option-D

Question4:-The _____ punch is used for marking witness marks.

A:-60°

B:-30°

C:-90°

D:-45°

Correct Answer:- Option-A

Question5:-Micrometre is equal to _____mm.

A:-0.01 mm

B:-0.001 mm

C:-0.1 mm

D:-10 mm

Correct Answer:- Option-B

Question6:-The size of the caliper is taken by _____.

A:-Length of its leg

B:-Length of one edge

C:-From rivet centre to working point

D:-All of the above

Correct Answer:- Option-C

Question7:-A Datum is a reference and depending on the _____.

A:-Size of the work

B:-Width of the work

C:-Length of the work

D:-Shape of the work

Correct Answer:- Option-D

Question8:-_____ marking media give very clear lines but taken more time for drying.

A:-White wash

B:-Prussian blue

C:-Marking blue

D:-Cellulose lacquer

Correct Answer:- Option-B

Question9:-In _____ Angle plate two machined surfaces are on two separate pieces which are assembled.

A:-Swivel type angle plate

B:-Slotted angle plate

C:-Box angle plate

D:-Plain solid Angle plate

Correct Answer:- Option-A

Question10:-_____ are provided for holding cylindrical jobs firmly on 'V' Blocks.

A:-'C' clamp

B:-Bolt and nut

C:-'U' clamp

D:-None of these

Correct Answer:- Option-C

Question11:-The middle portion of the hammer is called _____.

A:-Eye hole

B:-Pein

C:-Face

D:-Cheek

Correct Answer:- Option-D

Question12:-The try square is made of _____.

A:-High carbon steel

B:-Hardened steel

C:-Stainless steel

D:-Cast iron

Correct Answer:- Option-B

Question13:-_____ vice is used for holding small diameter jobs?

A:-Leg vice

B:-Hand vice

C:-Pin Vice

D:-Quick release vice

Correct Answer:- Option-C

Question14:-For quicker application which type of screw driver is used?

A:-Offset screw driver

B:-Philips screw driver

C:-Ratchet offset screw driver

D:-Heavy duty screw driver

Correct Answer:- Option-C

Question15:-A spanner is a hand tool. It is made of _____.

A:-High carbon steel

B:-Drop forged steel

C:-Cast steel

D:-Mild steel

Correct Answer:- Option-B

Question16:-In British system the basic unit of mass is _____.

A:-Kilogram

B:-Pound

C:-Gram

D:-Foot

Correct Answer:- Option-B

Question17:-For Angular measurements a complete circle is divided into _____ equal parts.

A:-180

B:-340

C:-300

D:-360

Correct Answer:- Option-D

Question18:-Jenny caliper is used for _____.

A:-Finding the centre of round rod

B:-Transferring measurements

C:-Scribing arcs and circles

D:-None of these

Correct Answer:- Option-A

Question19:-_____ is suitable for machining operation on shapers, Millers and tool and die work.

A:-Narrow steel rule

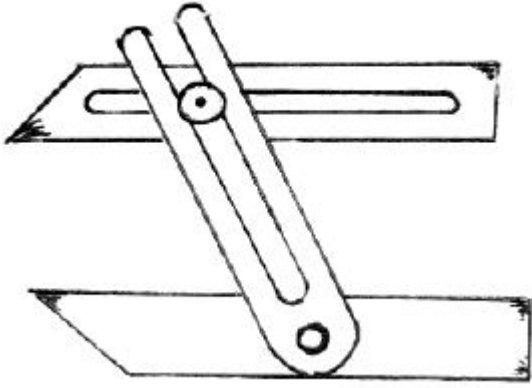
B:-Steel rule with taper end

C:-Steel tape

D:-Short steel rule

Correct Answer:- Option-D

Question20:-Identify the figure shown below?



A:-Universal bevel gauge

B:-Bevel gauge

C:-Bevel protractor

D:-Marking gauge

Correct Answer:- Option-A

Question21:-The cracking of the file handle is prevented by the metal ring known as _____

A:-Ferrule

B:-Heel

C:-Tang

D:-Shoulder

Correct Answer:- Option-A

Question22:-The angle of Upcut of a diagonal file is _____

A:-30°

B:-44°

C:-51°

D:-65°

Correct Answer:- Option-C

Question23:-A 250 mm second cut file has a number of cuts of _____ over the length of 10 mm.

A:-10

B:-15

C:-20

D:-25

Correct Answer:- Option-B

Question24:-Needle files are available in which of the following grades?

A:-Rough and second cut

B:-Second cut and dead smooth

C:-Rough and second cut

D:-Bastard and smooth

Correct Answer:- Option-D

Question25:-Which type of file is used for die sinking and mould making work?

A:-Rotary file

B:-Mill saw file

C:-Crossing file

D:-Riffler files

Correct Answer:- Option-A

Question26:-Hacksaw blades are specified by _____

A:-Length and type of material only

B:-Length and pitch only

C:-Pitch and type of material only

D:-Length, pitch and type of material

Correct Answer:- Option-D

Question27:-_____ used for cutting keyways, grooves or slots?

A:-Half round nose chisel

B:-Cape chisel

C:-Diamond point chisel

D:-Web chisel

Correct Answer:- Option-B

Question28:-Parallel shank drill bits are available _____.

A:-Only between 7 mm to 13 mm

B:-Above 13 mm size

C:-Below 13 mm size

D:-Between 13 mm and 20 mm size

Correct Answer:- Option-C

Question29:-The selection of the recommended cutting speed for drilling depends on _____.

A:-The materials to be drilled, and the tool material

B:-Thickness of the material to be drilled

C:-Type of coolant used

D:-Depth of cut

Correct Answer:- Option-A

Question30:-_____ is the angle of the countersink used for countersinking the self-tapping screws.

A:-72°

B:-80°

C:-95°

D:-120°

Correct Answer:- Option-B

Question31:-In metric micrometer, the pitch of the spindle thread is _____.

A:-0.1 mm

B:-0.2 mm

C:-0.25 mm

D:-0.5 mm

Correct Answer:- Option-D

Question32:-The least count of the Vernier caliper with inch graduation is _____.

A:-0.1"

B:-0.01"

C:-0.001"

D:-0.0001"

Correct Answer:- Option-C

Question33:-Pitch dimensions can be measured by a vernier height gauge with a _____.

A:-Dial indicator

B:-Depth attachment

C:-Offset scriber

D:-Try square

Correct Answer:- Option-A

Question34:-In a vernier bevel protractor the parallel groove provided in the centre of the blade enables it to _____ whenever necessary.

A:-Position laterally

B:-Position longitudinally

C:-Position radially

D:-Position both vertically and radially

Correct Answer:- Option-B

Question35:-Which one of the following instrument employs the principle of reflection of light rays?

A:-Solex pneumatic comparator

B:-Red comparator

C:-Sigma mechanical comparator

D:-Optical system of comparator

Correct Answer:- Option-D

Question36:-_____ is the size of the component by actual measurement after production.

A:-Actual size

B:-Basic size

C:-Limit size

D:-Normal size

Correct Answer:- Option-A

Question37:-If the size of a component is specified as $20^{+0.008}_{-0.005}$, what should be the minimum limit of size?

A:-20.008

B:-20.005

C:-19.995

D:-19.992

Correct Answer:- Option-C

Question38:-Which one of the following is the correct form of expression of a fit?

A:-H7 / g6 - 30

B:-g6 - H7 / 30

C:-30 g6 / H7

D:-30 H7 / g6

Correct Answer:- Option-D

Question39:-_____ are gauge blocks used as standards for precision length measurement.

A:-Ring gauges

B:-Slip gauges

C:-Plug gauges

D:-Snap gauges

Correct Answer:- Option-B

Question40:-Sine bars are used when a high degree of accuracy to less than one minute is needed for _____.

A:-Measuring angles and marking out only

B:-Marketing out and setting up for machining only

C:-Measuring angles and setting up for machining only

D:-Measuring angles, marking out and setting up for machining

Correct Answer:- Option-D

Question41:-ISO metric thread stands for _____ metric thread.

A:-International standard organization

B:-Indian standard organization

C:-Industrial standard organization

D:-Institutional standard organization

Correct Answer:- Option-A

Question42:-To achieve maximum strength, a threaded fastener should screw into its mating part up to a minimum distance equal to _____ the diameter of thread.

A:-1.15 times

B:-1.25 times

C:-1.50 times

D:-1.75 times

Correct Answer:- Option-C

Question43:-_____ have milled slots across the flats.

A:-Jam nut

B:-Castle nut

C:-Cap nut

D:-Check nut

Correct Answer:- Option-B

Question44:-If D is the diameter of the shaft, the width of the parallel key W = _____.

A:- $(1/5) D + 2 \text{ mm}$

B:- $(1/3) D + 3 \text{ mm}$

C:- $(1/2) D + 4 \text{ mm}$

D:- $(1/4) D + 2 \text{ mm}$

Correct Answer:- Option-D

Question45:-_____ type fasteners are used in joining belting for industrial purpose.

A:-Alligator

B:-Lagrelle

C:-Jackson

D:-Wire

Correct Answer:- Option-A

Question46:-The direct result of the elastic stretch which causes the localised movement of the belt is known as _____.

A:-Tension

B:-Buckling

C:-Creep

D:-Compression

Correct Answer:- Option-C

Question47:-Which type of coupling is used to connect prime mover or an electric motor and a centrifugal pump?

A:-Flexible coupling

B:-Bushed pin type flange coupling

C:-Chain coupling

D:-Gear coupling

Correct Answer:- Option-B

Question48:-In a spur gear, PCD stands for _____.

A:-Pitch Centre Distance

B:-Pitch Coinciding Distance

C:-Pitch Circle Distance

D:-Pitch Circle Diameter

Correct Answer:- Option-D

Question49:-_____ type of clutch is used in automobile vehicles.

A:-Dog

B:-Overriding

C:-Single plate

D:-Cone

Correct Answer:- Option-C

Question50:-The races of an anti-friction bearing are made up of _____.

A:-High grade chrome steel or chrome nickel steel

B:-High grade vanadium steel or vanadium nickel steel

C:-High grade manganese steel or manganese nickel steel

D:-High grade tungsten steel or tungsten nickel steel

Correct Answer:- Option-A

Question51:-Which furnace is used to produce cast iron?

A:-Blast furnace

B:-Cupola furnace

C:-Puddling furnace

D:-Open hearth furnace

Correct Answer:- Option-B

Question52:-What is the purpose of annealing?

A:-To increase hardness

B:-To increase strength

C:-To increase brittleness

D:-To increase softness

Correct Answer:- Option-D

Question53:-Steel is an alloy of

A:-Copper and zinc

B:-Tin and lead

C:-Iron and carbon

D:-Copper and tin

Correct Answer:- Option-C

Question54:-The percentage of carbon in mild steel is

A:-0.1 to 0.125%

B:-0.15 to 0.3%

C:-0.3 to 0.5%

D:-0.7 to 0.9%

Correct Answer:- Option-B

Question55:-After hardening process, the metal becomes more hardened and also will become more

A:-Malleable

B:-Ductile

C:-Tough

D:-Brittle

Correct Answer:- Option-D

Question56:-Which is the purest form of iron?

A:-Wrought iron

B:-Pig iron

C:-Cast iron

D:-Steel

Correct Answer:- Option-A

Question57:-Most of the steel in our country is produced by

A:-Bessemer process

B:-L.D. process

C:-Open hearth process

D:-Electric process

Correct Answer:- Option-C

Question58:-Melting point of tungsten is

A:-1083 °C

B:-3380 °C

C:-1495 °C

D:-320 °C

Correct Answer:- Option-B

Question59:-Which is used in the blast furnace as Flax?

A:-Coke

B:-Iron ore

C:-Air

D:-Lime Stone

Correct Answer:- Option-D

Question60:-Ore of lead is

A:-Galena

B:-Calamine

C:-Bauxite

D:-Malachite

Correct Answer:- Option-A

Question61:-Which tongs are used for holding round rods vertically?

A:-Hollow tongs

B:-Round tongs

C:-Flat tongs

D:-Square mouth tongs

Correct Answer:- Option-B

Question62:-Forging is done when the metal is in

A:-Elastic condition

B:-Liquid condition

C:-Plastic condition

D:-Normal condition

Correct Answer:- Option-C

Question63:-Anvil is a

A:-Heavy block of Aluminium

B:-Heavy block of high carbon steel

C:-Heavy block of cast iron

D:-Heavy block of cast steel

Correct Answer:- Option-D

Question64:-Which defect occurs during upsetting process, when faces of the stock may be come out of square?

A:-Folds

B:-Buckling of stock

C:-Internal crack

D:-Sag

Correct Answer:- Option-B

Question65:-Which hammer is used to set down at right angles?

- A:-Ball peen hammer
- B:-Crosspeen hammer
- C:-Straight peen hammer
- D:-Set hammer

Correct Answer:- Option-D

Question66:-Which type of vice is usually used in Forging shop?

- A:-Bench vice
- B:-Hand vice
- C:-Leg vice
- D:-Pin vice

Correct Answer:- Option-C

Question67:-In which forging operation the cross section of stock is reduced and the length is increased?

- A:-Drawing out
- B:-Upsetting
- C:-Jumping
- D:-End upsetting

Correct Answer:- Option-A

Question68:-Which tools are used for cutting heavy hot metals?

- A:-Flatter
- B:-Hardie and hot set
- C:-Hardie and cold set
- D:-Swages

Correct Answer:- Option-B

Question69:-Which supplies air to the forge for burning the coal or coke?

A:-Blower

B:-Hearth

C:-Hood

D:-Chimney

Correct Answer:- Option-A

Question70:-What is used as mortar in Forge Furnaces?

A:-Coal

B:-Tongs

C:-Fire Clay

D:-Coke

Correct Answer:- Option-C

Question71:-What is the use of bend snips?

A:-Groove cut

B:-Zig-Zag cut

C:-Straight cut

D:-Curved cut

Correct Answer:- Option-D

Question72:-The process of raising a strip of metal around the end of a round piece is called _____.

A:-Beading

B:-Embossing

C:-Nibble

D:-Forming

Correct Answer:- Option-A

Question73:-Which of the following is used for making highly corrosive acid tanks?

A:-Galvanized iron sheets

B:-Tinned plate

C:-Aluminum sheets

D:-Lead sheets

Correct Answer:- Option-D

Question74:-Zinc coated iron is called _____.

A:-Black iron

B:-Galvanised iron

C:-Stainless steel

D:-Tinned iron

Correct Answer:- Option-B

Question75:-Which tool is used to cut thicker sheets?

A:-Bend snips

B:-Lever shears

C:-Straight snips

D:-Tinmans shears

Correct Answer:- Option-B

Question76:-Which hammer is used to finish the wired edges?

A:-Setting hammer

B:-Stretching hammer

C:-Creasing hammer

D:-Bullet hammer

Correct Answer:- Option-C

Question77:-Which of the following stake has two arms at its both ends?

A:-Hatchet stake

B:-Tinmans horse

C:-Half moon stake

D:-Round bottom stake

Correct Answer:- Option-B

Question78:-Which of the following statement is not true with respect to false wiring in sheet metal work?

A:-False wiring cannot be done on curved edges

B:-False wiring can be done on curved edges

C:-False wiring reduces cost of the article

D:-False wiring reduces weight of the article

Correct Answer:- Option-B

Question79:-_____ is used to draw large diameter circles in sheet metal work?

A:-Wing compass

B:-Spring divider

C:-Spring compass

D:-Trammel

Correct Answer:- Option-D

Question80:-What is the purpose of edge stiffening in sheet metal work?

A:-To give extra strength and rigidity to edges

B:-To avoid sharp edges for safe handling

C:-To add decorative appearance of sheet metal article

D:-All the above

Correct Answer:- Option-D

Question81:-What is the colour of Argon gas cylinder?

A:-Blue

B:-Red

C:-Grey

D:-Black

Correct Answer:- Option-A

Question82:-The temperature of oxy acetylene gas flame is _____?

A:-2400 °c to 2700 °c

B:-2700 °c to 2900 °c

C:-3100 °c to 3300 °c

D:-1800 °c to 2200 °c

Correct Answer:- Option-C

Question83:-The Oxygen gas cylinders are filled with oxygen under a maximum pressure of _____?

A:-100 kg/cm²

B:-150 kg/cm²

C:-250 kg/cm²

D:-25 kg/cm²

Correct Answer:- Option-B

Question84:-In acetylene gas generator _____ is used to produce acetylene gas.

A:-Calcium carbide

B:-Calcium carbonate

C:-Potassium carbide

D:-Potassium carbonate

Correct Answer:- Option-A

Question85:-Before connecting a regulator to cylinder valve, the valve must be opened slightly and closed immediately, this action is called _____

A:-Cleaning

B:-Cracking

C:-Charging

D:-Breaking

Correct Answer:- Option-B

Question86:-Which arc welding machine is suitable for the field work away from electric lines?

A:-Motor generator set

B:-Rectifier set

C:-AC welding transformer

D:-Engine generator set

Correct Answer:- Option-D

Question87:-Which of the following welding machine converts AC main supply into DC welding supply?

A:-Rectifier set

B:-AC welding transformer

C:-Engine generator set

D:-All the above

Correct Answer:- Option-A

Question88:-Why the cylinder keys are not removed from the cylinder while welding?

A:-To adjust gas supply

B:-To prevent gas leakage

C:-To close quickly in case of fire

D:-To open and close frequently

Correct Answer:- Option-C

Question89:-Which of the following is NOT a disadvantage of DC welding machine?

A:-High initial cost

B:-Not free from arc blow

C:-More maintenance cost

D:-Not suitable for welding non-ferrous metals

Correct Answer:- Option-D

Question90:-Acetylene is stored in cylinder at dissolved state, which of the following is used as dissolving medium?

A:-Water

B:-Oxygen

C:-Acetone

D:-Lime

Correct Answer:- Option-C

Question91:-The reason for providing gap in the bedways at the headstock end of lathe is _____?

A:-To reduce the weight

B:-To reduce the cost

C:-To accommodate large diameter work

D:-To accommodate the saddle to operate close to head stock

Correct Answer:- Option-C

Question92:-What is the function of back gear mechanism of lathe?

A:-To increase the spindle speed

B:-To reduce the spindle speed

C:-To give rigidity to main spindle

D:-To work as stand-by in case of belt damage

Correct Answer:- Option-B

Question93:-What is the reason for pip left in the centre of work piece while facing?

A:-Work is not clamped rigidly

B:-Tool is not clamped rigidly

C:-Blunt cutting edge of tool

D:-Tool is not set to the correct centre height

Correct Answer:- Option-D

Question94:-Which of the following is not a factor for governing the feed in lathe?

A:-Tool geometry

B:-Surface finish required

C:-Type of cutting fluid used

D:-Rigidity of tool

Correct Answer:- Option-C

Question95:-Which of the following tool is used in lathe only for finishing and maintaining correct form of thread?

A:-Tap

B:-Threading tool

C:-Tipped tool

D:-Thread chaser

Correct Answer:- Option-D

Question96:-Lathe bed is made up of _____.

A:-High carbon steel

B:-Tool steel

C:-Mild steel

D:-Cast iron

Correct Answer:- Option-D

Question97:-The taper provided in the nose of tail stock barrel is _____?

A:-Pin paper

B:-Morse taper

C:-Jarno taper

D:-Brown and sharp taper

Correct Answer:- Option-B

Question98:-Which of the following angle of lathe cutting tool controls the geometry of chip formation?

A:-Back rake angle

B:-Side Clearance angle

C:-Front clearance angle

D:-End clearance angle

Correct Answer:- Option-A

Question99:-Which of the following is not a purpose of knurling?

A:-To increase the rigidity

B:-To give a good grip

C:-Provides good appearance

D:-For increasing the diameter to a small range to get a press fit assembly

Correct Answer:- Option-A

Question100:-Face plate is held at _____.

A:-Tail stock

B:-Tool post

C:-Bed

D:-Head stock spindle

Correct Answer:- Option-D