

PROVISIONAL ANSWER KEY

Question Paper Code:	45/2019/OL
Category Code:	163/2018
Exam:	Junior Instructor (Plumber)
Medium of Question:	English
Date of Test	03-10-2019
Department	Industrial Training Department
Alphacode	A

Question1:-The water closet having an integral part of trap S and P type out let have a water seal size of

- A:-25 mm
- B:-50 mm
- C:-75 mm
- D:-100 mm

Correct Answer:- Option-C

Question2:-Which type of tap is used for hot and cold water pipe line in a system

- A:-Stop cock
- B:-2 or 3 in mixer tap
- C:-one in one mixer
- D:-Direct mix of the O H T

Correct Answer:- Option-B

Question3:-Collar joint shall be finished of with a fillet sloping at a surface angle of

- A:-15°
- B:-25°
- C:-35°
- D:-45°

Correct Answer:- Option-D

Question4:-Sewer pipe may have to be laid under the condition of

- A:-Cushion
- B:-Trench
- C:-Length
- D:-Threading

Correct Answer:- Option-B

Question5:-A device used in kitchens serving hotels dining rooms club houses and restaurants is

- A:-Grease basin
- B:-Yard basins
- C:-Garage basin
- D:-Oil catch basin

Correct Answer:- Option-A

Question6:-In a hot water system expansion / vent pipes are installed on the cylinder and boiler because they.....

- A:-Prevent air locks
- B:-Stop build up of lime
- C:-Supply cold water
- D:-Release excess steam and water

Correct Answer:- Option-D

Question7:-The pump attached with impeller and pump is

- A:-Mono block pump
- B:-Jet pump
- C:-Air lift pump
- D:-Rotary pump

Correct Answer:- Option-A

Question8:-For cutting thin tubing the most suitable pitch of the hack saw blade is

- A:-1.8 mm
- B:-0.8 mm
- C:-1.4 mm
- D:-.1 mm

Correct Answer:- Option-B

Question9:-The hose pipe for the oxygen line is

- A:-Black
- B:-Maroon
- C:-Red
- D:-Brown

Correct Answer:- Option-A

Question10:-Dual systems of distribution means

- A:-Continues supply system
- B:-pumping and intermittent system
- C:-Gravity and Pumping system
- D:-Gravity and continues system

Correct Answer:- Option-C

Question11:-The space between the teeth of a handsaw is called

- A:-Gullet
- B:-Kert
- C:-Flank
- D:-Pitch

Correct Answer:- Option-A

Question12:-Which bond is commonly used for

- A:-Stretcher bond
- B:-Header bond
- C:-Flemish bond
- D:-English bond

Correct Answer:- Option-D

Question13:-The clearance angle of a drill is

- A:-3° to 5°
- B:-8° to 12°
- C:-12° to 20°
- D:-15° to 20°

Correct Answer:- Option-B

Question14:-What is usually the included angle of the conical point of a scriber

- A:-15°
- B:-30°
- C:-60°
- D:-90°

Correct Answer:- Option-A

Question15:-One pascal is equal to

- A:-1 Newton/mm²
- B:-1 Newton/m²
- C:-1 Newton/cm²
- D:-1 Newton/dm²

Correct Answer:- Option-B

Question16:-Ferrous metal is an alloy of

- A:-iron and silicon
- B:-carbon and silicon
- C:-iron and carbon
- D:-manganese and silicon

Correct Answer:- Option-C

Question17:-In which pipes are used in water providing plants

- A:-C.I. Pipe
- B:-G.I. Pipe
- C:-A.C. Pipe
- D:-S.W. Pipe

Correct Answer:- Option-A

Question18:-Cast iron is used for manufacturing machine beds because

- A:-It is heavy in weight
- B:-It can resist more compressive stress
- C:-It is a cheaper metal
- D:-It is a brittle metal

Correct Answer:- Option-B

Question19:-A device installed in a drainage system to prevent reverse flow is

- A:-back water valve
- B:-back flow preventer
- C:-back siphonage
- D:-back vent pipe

Correct Answer:- Option-A

Question20:-In metric micro meters what is the pitch of the spindle thread

- A:-0.1 mm
- B:-0.5 mm
- C:-0.2 mm
- D:-0.01 mm

Correct Answer:- Option-B

Question21:-What is the term generally employed for a piece of pipe which is threaded on both ends and less than 12 inches long?

- A:-coupling
- B:-nipple
- C:-union
- D:-plugs

Correct Answer:- Option-A

Question22:-Pipe wrench is used for pipes of diameter.....

- A:-less than 15 mm
- B:-more than 150 mm
- C:-50 mm to 150 mm
- D:-15 mm to 50 mm

Correct Answer:- Option-D

Question23:-If the globe valve begins to leak between the packing nut and valve stem

- A:-gland nut to be replaced
- B:-packing to be replaced
- C:-valve stem to be replaced
- D:-Bonnet to be replaced

Correct Answer:- Option-B

Question24:-the lower most level or surface of a sewer is known as

- A:-invert
- B:-bedding
- C:-benching
- D:-drain

Correct Answer:- Option-A

Question25:-What process is used to remove permanent hardness in water

- A:-purification process
- B:-coagulation process
- C:-base exchange process
- D:-sedimentation process

Correct Answer:- Option-C

Question26:-Dug wells are also known as

- A:-draw wells
- B:-tube wells
- C:-driven wells
- D:-artesian wells

Correct Answer:- Option-A

Question27:-What should be done to remove trapped air in centrifugal pump

- A:-packing
- B:-washing
- C:-use booster pump
- D:-priming

Correct Answer:- Option-D

Question28:-What is provided in elevated storage reservoir for circulation of air

- A:-manhole
- B:-ventilator
- C:-float gauge

D:-over flow pipe

Correct Answer:- Option-B

Question29:-What type of bacteria treats waste in percolation area?

A:-fungi

B:-anaerobic

C:-aerobic

D:-lime

Correct Answer:- Option-C

Question30:-The cistern which is operated by a chain is called

A:-Ball type cistern

B:-Bell type cistern

C:-Pull type cistern

D:-Push type cistern

Correct Answer:- Option-B

Question31:-Hardness that cannot be removed by boiling the water is called

A:-difficult hardness

B:-stiff hardness

C:-permanent hardness

D:-tough hardness

Correct Answer:- Option-C

Question32:-Galvanized iron is coated with

A:-Copper

B:-Lead

C:-Zinc

D:-Tin

Correct Answer:- Option-C

Question33:-What you should be sure you have in plenty before considering buying a solar water heater

A:-abundant sunshine

B:-very hot water

C:-intermittent rain

D:-all of the above

Correct Answer:- Option-A

Question34:-There are two primary chemicals used to purify water namely

A:-iodine and chlorine

B:-sodium and chlorine

C:-chlorine and fluorine

D:-fluorine and iodine

Correct Answer:- Option-A

Question35:-Which material is used for joining C.I. Pipes?

A:-Lead and cement

B:-Lead and lead wool

C:-Zinc and lead wool

D:-Copper and hemp yarn

Correct Answer:- Option-B

Question36:-What is used at the junction of house sewer and municipal sewer?

A:-nahni trap

B:-P. trap

C:-Intercepting trap

D:-S. trap

Correct Answer:- Option-C

Question37:-What is used to overcome siphonic action

A:-anti siphonage pipe

B:-vent pipe

C:-coupler

D:-vent cowl

Correct Answer:- Option-A

Question38:-What happens if cast iron pipes are coated with cool tar

A:-loose strength

B:-prevent corrosion

C:-dos not sag

D:-dos not fig

Correct Answer:- Option-B

Question39:-Which component in gully trap is used to prevent gases from entering waste line

A:-air seal

B:-C.I. cover

C:-water seal

D:-C.I. grating

Correct Answer:- Option-C

Question40:-Which accessories is used to change the direction flow in the pipe

A:-water meter

B:-pipe

C:-cocks

D:-fittings

Correct Answer:- Option-D

Question41:-The pipe fitting used to connect a service pipe to a water main is called as

A:-adjusting nut

B:-ferrule

C:-coupling

D:-air valve

Correct Answer:- Option-B

Question42:-In septic tank the ventilation pipe usually provided is of

A:-100 mm dia

B:-150 mm dia

C:-75 mm dia

D:-50 mm dia

Correct Answer:- Option-C

Question43:-Flogging is the method of generating a mist for the application of

A:-spray

B:-soak

C:-sanitizers

D:-filtering

Correct Answer:- Option-C

Question44:-Gate valve is one of the most common valves used in the main supply lines to the

A:-ventilating line

B:-water supply system

C:-back flow system

D:-drainage system

Correct Answer:- Option-B

Question45:-Air lift pump is installed to draw more water from the deep well the pump is operated by

A:-secondary electrical sources

B:-acute air

C:-compressed air

D:-primary electrical sources

Correct Answer:- Option-C

Question46:-White metal is an alloy of

A:-copper, lead, tin and antimony

B:-copper, zinc and tin

C:-copper, zinc, tin and Antimony

D:-copper and tin

Correct Answer:- Option-C

Question47:-Dresser coupling and Victaulic joint basically are

A:-back push joint

B:-chemical joint

C:-mechanical joint

D:-adhesive joint

Correct Answer:- Option-C

Question48:-Which one of the following alloys can resist salt water corrosion

A:-zinc alloy

- B:-gun metal
- C:-nickel chrome alloy
- D:-brass

Correct Answer:- Option-A

Question49:-The system of water distribution which is suited to a city growing irregularly is

- A:-grid iron system
- B:-radial system
- C:-ring system
- D:-tree system

Correct Answer:- Option-D

Question50:-Which tool is used for heating while carrying out soldering

- A:-torch lamp
- B:-blow lamp
- C:-holding lamp
- D:-winding lamp

Correct Answer:- Option-B

Question51:-Rubber ring joints can be provided in the pipe line to

- A:-water free seal
- B:-water tight seal
- C:-water peel seal
- D:-none of the above

Correct Answer:- Option-B

Question52:-What is the use of hand taps

- A:-internal threads
- B:-external threads
- C:-internal gauge
- D:-internal drilling

Correct Answer:- Option-A

Question53:-In an acetylene cylinder the acetylene is dissolved in

- A:-carbon dioxide
- B:-water
- C:-acetone
- D:-mercury

Correct Answer:- Option-C

Question54:-Which grade G I pipe is used for water supply.....

- A:-yellow
- B:-blue
- C:-red
- D:-brown

Correct Answer:- Option-B

Question55:-The angle of metric thread is

- A:-60 degree
- B:-55 degree
- C:-90 degree
- D:-47 degree

Correct Answer:- Option-A

Question56:-What are the diameter of A C pipes available in

- A:-4 cm to 100 cm
- B:-5 cm to 100 cm
- C:-2 cm to 100 cm
- D:-6 cm to 100 cm

Correct Answer:- Option-C

Question57:-Name the tool used to check internal pipe threads

- A:-pipe taps
- B:-ring gauge
- C:-pipe plug threads
- D:-pipe bush

Correct Answer:- Option-C

Question58:-When pressure test can be started in solvent welder PVC pipe line

A:-after 24 hours

B:-after 12 hours

C:-after 5 hours

D:-after 36 hours

Correct Answer:- Option-A

Question59:-Where are collar joints used

A:-smaller diameter C I pipe

B:-small diameter A C pipe

C:-small diameter S W pipe

D:-small diameter P V C pipe

Correct Answer:- Option-B

Question60:-Which is the place preferred to fix scour valve

A:-lowest point in pipe line

B:-higher point in pipe line

C:-straight line in pipe line

D:-none of the above

Correct Answer:- Option-A

Question61:-Spindle of gate valve rotates without closing due to

A:-spindle thread badly worn-out

B:-spindle is bend

C:-gland nut loose

D:-defective packing

Correct Answer:- Option-A

Question62:-What is the size of manhole generally constructed within compound for house drainage

A:-90 x 70 cm

B:-90 x 80 cm

C:-90 x 60 cm

D:-90 x 90 cm

Correct Answer:- Option-B

Question63:-Name the valve is used to regulate the pressure in pipe line

A:-relief valve

B:-needle valve

C:-gate valve

D:-check valve

Correct Answer:- Option-A

Question64:-what is the size of frog in brick

A:-100 mm length x 40 mm width x 10 to 20 mm depth

B:-100 mm length x 30 mm width x 10 mm to 25 mm depth

C:-100 mm length x 50 mm width x 10 mm to 15 mm depth

D:-none of the above

Correct Answer:- Option-A

Question65:-Cross cut chisel is used for

A:-chipping excess metal

B:-curved grooves

C:-key ways

D:-corner

Correct Answer:- Option-C

Question66:-Which types of pipes can be cut easily by pipe cutter

A:-S.W. pipe

B:-C.I. Pipe

C:-A.C. Pipe

D:-G.I. Pipe

Correct Answer:- Option-D

Question67:-Name the apparatus used for testing slump

A:-sand cone test

B:-Mud cone test

C:-Slump cone test

D:-None of the above

Correct Answer:- Option-C

Question68:-Which method of casting C.I. pipes gives good result

- A:-sand casting
- B:-mud casting
- C:-centrifugal casting
- D:-none of the above

Correct Answer:- Option-C

Question69:-What is the range of S.W. pipes available in the market

- A:-100 to 600 mm
- B:-100 to 300 mm
- C:-100 to 180 mm
- D:-100 to 700 mm

Correct Answer:- Option-A

Question70:-Which side of mixing tap hot water line to be connected

- A:-right side
- B:-Left side
- C:-Middle side
- D:-Corner side

Correct Answer:- Option-B

Question71:-How to prevent algae growth in O.H. tank?

- A:-copper sulphate
- B:-aluminium sulphate
- C:-lead powder
- D:-bleaching powder

Correct Answer:- Option-A

Question72:-What is check the alignment and condition of inside the pipe

- A:-smoke test
- B:-mirror test
- C:-air test
- D:-hydraulic test

Correct Answer:- Option-B

Question73:-How many days curing is required for S.W. pipe joints

- A:-7 days
- B:-2 days
- C:-5 days
- D:-3 days

Correct Answer:- Option-A

Question74:-What is the size of flush pipe for low level flushing cistern

- A:-32 mm
- B:-40 mm
- C:-25 mm
- D:-50 mm

Correct Answer:- Option-B

Question75:-What causes the siphonic action in soil pipe

- A:-leaked air
- B:-foul air
- C:-sucked air
- D:-air diffuser

Correct Answer:- Option-C

Question76:-What instrument is used while conducting air test in pipe line

- A:-manometer
- B:-vinometer
- C:-thermometer
- D:-tint meter

Correct Answer:- Option-A

Question77:-State the size of ball used in ball test

- A:-13 mm less than inside diameter of pipe
- B:-12 mm less than inside diameter of pipe
- C:-11 mm less than inside diameter of pipe
- D:-10 mm less than inside diameter of pipe

Correct Answer:- Option-A

Question78:-What is the use of NAHNI trap

- A:-to collect waste water from bath room
- B:-to collect rain water
- C:-to collect soil pipe from sewage
- D:-to collect raw water from river

Correct Answer:- Option-A

Question79:-Why mono block pumps are more popular

- A:-large in size
- B:-small in size
- C:-no valves
- D:-no priming

Correct Answer:- Option-B

Question80:-How many pipes are there in a one pipe system

- A:-one
- B:-three
- C:-four
- D:-two

Correct Answer:- Option-D

Question81:-What are the materials required for flanged joint

- A:-cement and hemp yarn
- B:-screw and washer
- C:-nut and bolt
- D:-lead and tin

Correct Answer:- Option-C

Question82:-How much clearance from wall to be kept while laying G.I. pipe internally

- A:-1.5 cm
- B:-2.5 cm
- C:-3.5 cm
- D:-4.5 cm

Correct Answer:- Option-A

Question83:-What is the general fixing height of wash basin from floor level

- A:-80 cm
- B:-70 cm
- C:-60 cm
- D:-65 cm

Correct Answer:- Option-A

Question84:-What is height of fixing of automatic cistern for urinal

- A:-1800 mm
- B:-1900 mm
- C:-1600 mm
- D:-1500 mm

Correct Answer:- Option-B

Question85:-How many types of flushing cisterns are available based on operation

- A:-5 types
- B:-3 types
- C:-4 types
- D:-2 types

Correct Answer:- Option-D

Question86:-What is the size of waste coupling for kitchen sink

- A:-32 mm
- B:-50 mm
- C:-38 mm
- D:-40 mm

Correct Answer:- Option-B

Question87:-the brick or stone used in corner masonry of a wall is called

- A:-king closer
- B:-blank space
- C:-quoin closer

D:-mortar

Correct Answer:- Option-C

Question88:-Which part ensures uniform pressure on the measuring faces in a micrometer

A:-ratchet stop

B:-thimble

C:-spindle

D:-barrel

Correct Answer:- Option-A

Question89:-What is plate with a short handle and is used mainly to hold mortar. What is this tool

A:-spade

B:-shovel

C:-hawk

D:-joint filler

Correct Answer:- Option-C

Question90:-Rust is formed from iron and which other element

A:-oxygen

B:-hydrogen

C:-nitrogen

D:-sulphur

Correct Answer:- Option-A

Question91:-In the context of water purification RO; stands for

A:-reverse osmosis

B:-relative osmosis

C:-reduced osmosis

D:-refreshed osmosis

Correct Answer:- Option-A

Question92:-The use of asbestos cement is banned in some countries because

A:-it cannot be repaired easily

B:-it leads to health problems

C:-it is highly corrosive

D:-it is too costly

Correct Answer:- Option-B

Question93:-Metals possess physical and mechanical properties. Which one of the following is a physical property of metals?

A:-Tenacity

B:-Malleability

C:-Fusibility

D:-Ductility

Correct Answer:- Option-C

Question94:-Which one of the following is the resistance of a metal to elastic deformation

A:-stiffness

B:-toughness

C:-strength

D:-ductility

Correct Answer:- Option-A

Question95:-Displacement pumps are of two types

A:-reciprocating and ram

B:-reciprocating and rotary

C:-reciprocating and centrifugal

D:-reciprocating and jet

Correct Answer:- Option-B

Question96:-A portion of the plumbing system that receives discharges of soil and waste stacks within the building and conveys the same to the house sewer is

A:-main drain

B:-soil drain

C:-waste drain

D:-house drain

Correct Answer:- Option-D

Question97:-A plumbing fixture used for washing the middle private part of the body especially the Genitals is

A:-bidet

- B:-ball faucet
- C:-mini shower
- D:-water house

Correct Answer:- Option-A

Question98:-What is boiling point of water in Fahrenheit (F) scale

- A:-112°f
- B:-212°f
- C:-312°f
- D:-100°f

Correct Answer:- Option-B

Question99:-Which test is applied in underground drains for soundness.....

- A:-hydraulic test
- B:-pneumatic test
- C:-water test
- D:-sound test

Correct Answer:- Option-C

Question100:-What are the two sub systems in your home plumbing

- A:-incoming fresh water and outgoing waste water
- B:-low pressure water and high pressure
- C:-hot and cold water
- D:-none of the above

Correct Answer:- Option-A