TRADESMAN(SMITHY),TECHNICAL EDUCATION

EXAM DATE:19-01-2017

**1.Try square is used for:**

A.Measuring length of job

B.Checking squareness of job

C.Measuring the width of job

D.Checking curved part of the job

Ans:B

**2.Steel contains 0.8 to 1.5% carbon,is known as:**

A.Mild steel

B.Dead mild steel

C.Medium carbon steel

D.High carbon steel

Ans:D

**3.The ability of a material to resist fracture due to high impact load,is called:**

A.Strength

B.Stiffness

C.Toughness

D.Plasticity

Ans:C

**4.The percentage of carbon content in wrought iron is about:**

A.0.02

B.0.1

C.0.2

D.0.3

Ans:A

**5.Malleable cast iron is produced:**

A.By adding magnesium to molten cast iron

B.By quick cooling of molten cast iron

C.From white cast iron by annealing process

D.None of these

Ans:C

**6.Melting point of iron is:**

A.15390C

B.16500C

C.12290C

D.11000C

Ans:A

**7.Which of the following material would readily fracture,if hit with a hammer?**

A.German silver

B.Lead

C.Brass

D.Cast iron

Ans:D

**8.The temperature at which new grains are formed in a metal is called:**

A.Recrystalisation temperature

B.Lower critical temperature

C.Upper critical temperature

D.Eutectic temperature

Ans:A

**9.Cyaniding and Nitriding are two methods of:**

A.Tempering of steel

B.Hardening

C.Normalizing

D.Case hardening

Ans:D

**10.One pound is equal to:**

A.745 gram

B.453 gram

C.325 gram

D.563 gram

Ans:B

**11.The peen of the cross peen hammer is:**

A.Bend towards the handle

B.Parallel to the handle

C.Perpendicular to the handle

D.Angular to the handle

Ans:C

**12.In low carbon steels,presence of small quantities of sulphur improves**

A.Weldability

B.Machinability

C.Formability

D.Hardenability

Ans:B

**13.Age-hardening is related with:**

A.Stainless steel

B.Gunmetal

C.German Silver

D.Duralumin

Ans:D

**14.Other name of odd-leg caliper is:**

A.Outside caliper

B.Inside caliper

C.Jenny caliper

D.Vernier caliper

Ans:C

**15.One inch is equal to:**

A.2.54 mm

B.25.4 mm

C.24.5 mm

D.254 mm

Ans:B

**16.Swages is used for:**

A.Finishing round bar

B.Making steps on metal

C.Making grooves on metal

D.None of these

Ans:A

**17.An angle which is greater than 1800,is called:**

A.Obtuse angle

B.Acute angle

C.Right angle

D.Reflex angle

Ans:D

**18.White cast iron has:**

A.Carbon in the form of carbide

B.High tensile strength

C.Low compressive strength

D.All of above

Ans:D

**19.The operation of making round hole on the metal piece is known as:**

A.Reaming

B.Boring

C.Drilling

D.None of above

Ans:C

**20.A file removes metal during:**

A.Forward stroke

B.Return stroke

C.Both forward and return stroke

D.None of these

Ans:A

**21.The difference between upper and lower limits of a dimension,is called:**

A.Tolerance

B.Nominal size

C.Basic size

D.Actual size

Ans:A

**22.A file with 20 teeth per inch is called:**

A.Rough file

B.Bastard file

C.Second cut file

D.Smooth file

Ans:A

**23.The instrument used to measure higher temperature in furnace:**

A.Thermometer

B.Barometer

C.Calorimeter

D.Pyrometer

Ans:D

**24.Steel is made from cast iron by removing all excess:**

A.Tungsten

B.Carbon

C.Oxygen

D.Sulphur

Ans:B

**25.Zinc is produced from the ore:**

A.Pyrites

B.Malachite

C.Calamine

D.None of these

Ans:C

**26.Cutting angle of hot chisel is:**

A.300

B.450

C.600

D.900

Ans:A

**27.Property of material which retain the deformation produced under load** **permanently:**

A.Toughness

B.Malleability

C.Brittleness

D.Plasticity

Ans:D

**28.Carbon content in cast iron varies from:**

A.1.7 to 4.5%

B.0.15 to 0.45%

C.0.45 to 0.8%

D.0.8 to 1.5%

Ans:A

**29.Point angle of twist drill is:**

A.1280

B.1180

C.980

D.1080

Ans:B

**30.Property of material which enables to be drawn into wire:**

A.Malleability

B.Ductility

C.Plasticity

D.Elasticity

Ans:B

**31.Lining of open hearth furnace:**

A.Provides insulation to certain heat within the furnace

B.Control impurities in steel

C.Acts as structure

D.Enhance furnace life

Ans:D

**32.The most important element which controls the physical properties of steel is:**

A.Silicon

B.Manganese

C.Carbon

D.Tungsten

Ans:C

**33.File is made by:**

A.Low carbon steel

B.Cast iron

C.High carbon steel

D.Copper

Ans:C

**34.The cold working metal is carried out:**

A.At recrystallisation temperature

B.Below the recrystallisation temperature

C.Above recrystallisation temperature

D.At any temperature

Ans:B

**35.The fullers are used:**

A.For necking down a piece of work

B.For finishing flat surface

C.For finishing punched hole

D.For making holes on metal

Ans:A

**36.The flux commonly used for brazing:**

A.Zinc Chloride

B.Ammonium chloride

C.Borax

D.None of these

Ans:C

**37.The increase in hardness due to cold working,is called:**

A.Age hardening

B.Work hardening

C.Induction hardening

D.Flame hardening

Ans:B

**38.Temperature for recrystallisation of steel is:**

A.4000C

B.6000C

C.8000C

D.11000C

Ans:C

**39.Gauges used for checking the clearance between mating surfaces:**

A.Feeler gauge

B.Snap gauge

C.Slip gauge

D.Plug gauge

Ans:A

**40.A hacksaw blade cuts on the:**

A.Forward stroke

B.Return stroke

C.Both forward and return stroke

D.Cutting depends upon the direction of force

Ans:A

**41.A diamond pointed chisel is used for cutting:**

A.Grooves

B.Flat surface

C.Key ways

D.None of these

Ans:A

**42.Galvanizing is a:**

A.Zinc diffusion process

B.Process of coating zinc by hot dipping

C.Process used for making thin phosphate coating on steel

D.None of above

Ans:B

**43.The cutting edge of a chisel should be:**

A.Hardened

B.Tempered

C.Case hardened

D.Hardened and tempered

Ans:D

**44.Melting temperature of tin is:**

A.6690C

B.4550C

C.3280C

D.2310C

Ans:D

**45.The cold chisels are made by:**

A.Rolling

B.Piercing

C.Forging

D.Drawing

Ans:C

**46.The hardest known material is:**

A.Ceramic

B.Diamond

C.High speed steel

D.Cemented carbide

Ans:B

**47.Rivets are generally specified by:**

A.Shank diameter

B.Diameter of head

C.Thickness of plate to be riveted

Ans:A

**48.The transistor is made of:**

A.Silver

B.Gold

C.Copper

D.Germanium

Ans:D

**49.Chisel angle used for cutting low carbon steel:**

A.400

B.700

C.300

D.550

Ans:D

**50.A twist drill is a:**

A.Side cutting tool

B.End cutting tool

C.Front cutting tool

D.None of these

Ans:B

**51.The property of a material to regain its original shape after deformation when** **the external force are removed:**

A.Plasticity

B.Ductility

C.Elasticity

D.Malleability

Ans:C

**52.In drawing,dimension lines are represented by:**

A.Continuous thick line

B.Continuous thin line

C.Dashed line

D.None of these

Ans:B

**53.Connecting rod is usually made of:**A.Low carbon steel

B.Medium carbon steel

C.High carbon steel

D.Aluminium

Ans:B

**54.Swaging is an operation of:**A.Forging

B.Hot rolling

C.Extrusion

D.Piercing

Ans:A

**55.Forging of plain carbon steel is carried out at:**

A.7500C

B.9000C

C.10500C

D.13000C

Ans:D

**56.Point angle of centre punch is:**

A.300

B.450

C.900

D.600

Ans:C

**57.Tongs is used for:**

A.Making grooves on metal

B.Holding the work while hammering

C.Striking on the job

D.None of these

Ans:B

**58.The length of file is the distance from**

A.Tip to shoulder

B.Tip to handle

C.Tip to heel

D.None of these

Ans:C

**59.Which of the following materials cannot be forged?**

A.Wrought iron

B.Cast iron

C.Mild steel

D.High carbon steel

Ans:B

**60.Which of the following materials is most elastic?**

A.Rubber

B.Plastic

C.Brass

D.Steel

Ans:D

**61.The property of a material essential for spring materials is:**

A.Stiffness

B.Ductility

C.Resilience

D.Plasticity

Ans:C

**62.Nodular cast iron is produced by adding -------to the molten cast iron**

A.Mangesium

B.Nickel

C.Chromium

D.Copper

Ans:A

**63.Silicon in cast iron:**

A.Increase hardness and brittleness

B.Makes the iron soft and easily machinable

C.Makes the iron white and hard

D.Aids fusibility and fluidity

Ans:B

**64.The property of a material by virtue of which it can be beaten or rolled into** **plates is called:**

A.Malleability

B.Ductility

C.Plasticity

D.Elasticity

Ans:A

**65.Bronze is an alloy of:**

A.Copper and zinc

B.Copper and lead

C.Copper and nickel

D.Copper and tin

Ans:D

**66.Vernier caliper is used to measure with an accuracy of:**

A.0.2 mm

B.0.02 mm

C.0.5 mm

D.0.1 mm

Ans:B

**67.The process of increasing the cross-section of a bar by decreasing the length,is** **called:**

A.Upsetting

B.Drawing down

C.Peening

D.Spinning

Ans:A

**68.During hot working of metals:**

A.Poor surface finish is obtained

B.Close tolerance cannot be maintained

C.Scale is formed on the metal surface

D.All of above

Ans:D

**69.German silver contains:**

A.60% copper and 40% zinc

B.70% copper and 30% zinc

C.60% copper,35% zinc and 5% nickel

D.56% copper,40% zinc and 4% tin

Ans:C

**70.Which of the following impurity in cast iron makes it hard and brittle?**

A.Silicon

B.Sulphur

C.Manganese

D.Phosphorus

Ans:B

**71.For cutting brass,the hacksaw blade should have -----teeth per inch**

A.24

B.32

C.36

D.14

Ans:D

**72.Cross-section of a chisel is usually:**

A.Square

B.Octagonal

C.Rectangular

D.Hexagonal

Ans:B

**73.A hacksaw blade is specified by its:**

A.Length

B.Material

C.Width

D.Number of teeth

Ans:A

**74.Swage block is used for:**

A.Making flat surface on job

B.Making grooves on metal

C.Finishing the job

D.Making different shapes

Ans:D

**75.The type of force applied through die in forging is:**

A.Tensile force

B.Compressive force

C.Shear force

D.Any of above

Ans:B

**76.The fuel used in a blast furnace is:**

A.Coal

B.Coke

C.Wood

D.Producer gas

Ans:B

**77.Hardness is the property of a material due to which it:**

A.Can be rolled or hammered into thin sheets

B.Can be drawn into thin wires

C.Can cut another metal

D.Breaks with little permanent distortion

Ans:C

**78.Which of the following material has maximum malleability?**

A.Lead

B.Soft steel

C.Wrought iron

D.Copper

Ans:A

**79.The cupola is used to manufacture:**

A.Cast iron

B.Pig iron

C.Steel

D.Wrought iron

Ans:A

**80.Toughness of a material-------when it is heated**

A.Remains same

B.Decrease

C.Increase

D.None of these

Ans:B

**81.Which article of the Constitution provides protection to civil servants?**

A.Article 288

B.Article 311

C.Article 178

D.Article 183

Ans:B

**82.Who suggested the ‘Rolling Plan’for the development of our country?**

A.J.K.Galbrath

B.Gunnar Myrdal

C.Poul Samuelson

D.A.K.Sen

Ans:B

**83.The Election Commissioner can be removed by:**

A.The President

B.The Home Minister

C.The Prime Minister

D.The Parliament

Ans:D

**84.The “Banchasheel agreement”was signed in July 1954 between India and:**

A.China

B.The Afro-Asian Countries

C.Egypt

D.Sri Lanka

Ans:A

**85.”Garibe Hatao”was the key slogan of:**

A.Fifth plan

B.Sixth plan

C.Seventh plan

D.Ninth plan

Ans:A

**86.December 10 is observed as:**

A.World Health Day

B.U.N.Day

C.World Red Cross Day

D.Human Rights Day

Ans:D

**87.The first Indira Gandhi Award for”International Justice and Harmony”was given** **to:**

A.Khan Abdul Ghafar Khan

B.Yasar Arafath

C.Mother Teressa

D.Nelson Mandela

Ans:D

**88.Who is the Chairman of the Kerala Planning Board?**

A.Prabhat Patnaik

B.Dr.V.K.Ramachandran

C.P.Sadashivam

D.C.P.John

Ans:B

**89.When was “Sree Narayana Dharma Paripalana Yogam”formed?**

A.1865

B.1895

C.1914

D.1903

Ans:D

**90.Who wrote the book “Akhilathiruttu”?**

A.Chattampi Swamikal

B.Anandatheerthan

C.Brahmananda Sivayogi

D.Vaikunda Swamikal

Ans:D

**91.Who was the author of the ‘Al-Islam’an Arab-Malayalam monthly published in** **good old days?**

A.Vakkam Abdul Khader Moulavi

B.Ali Musliar

C.Abdul Rahiman Sahib

D.Variyan Kunnath Kunhahammed Haji

Ans:A

**92.Who is called “Sahityapanchanan”?**

A.Kuttikrishna Marar

B.Joseph Mundasseri

C.P.K.Narayana Pillai

D.Ezhuthachan

Ans:C

**93.’Indulekha’the novel written by O.Chandu Menon was published in the year:**

A.1887

B.1888

C.1889

D.1890

Ans:C

**94.’Jatinashinee Sabha’was founded by whom?**

A.Anandatheerthan

B.Agamananda Swami

C.Vagbhatanandan

D.Anandayogi

Ans:A

**95.Who named Accamma Cheriyan as the “Jhansi of Travancore”?**

A.E.M.S.Namboodirippadu

B.Jawaharlal Nehru

C.Mahatma Gandhi

D.A.K.Gopalan

Ans:C

**96.Name the peasant struggle with which K.Devayani was associated:**

A.Morazha struggle

B.Karivellur struggle

C.Kavumbai struggle

D.Kayyur struggle

Ans:B

**97.Name the first Indian Satellite:**

A.Rohini

B.Apple

C.Aryabhatta

D.Bhaskara

Ans:C

**98.The first effective vaccine against polio was prepared by:**

A.John E.Salk

B.John Gibbson

C.Louis Pasture

D.Robert Edward

Ans:A

**99.The first Malayalam Cinema Actor who received “Bharat Award”:**

A.Prem Naseer

B.Sathyan

C.P.J.Antony

D.Gopi

Ans:C

**100.’Arjuna’award is associated with:**

A.Social Work

B.Sports and Games

C.Literature

D.Politics

Ans:B