

Q. 1. What will be the pulse pressure for a blood pressure reading of 130/80 mm Hg?

80 mmHg

50 mmHg

210 mmHg

130 mmHg

Q. 2. To what pressure an endotracheal tube must be inflated to produce an adequate seal between the cuff and the wall of the trachea?

20 mm Hg

16 mm Hg

22 mm Hg

18 mm Hg

Q. 3. In a thyroidectomy, a loop retractor retracts the:

Thyroid veins

Cervical fascia

Sternocleidomastoid muscle

Platysma muscle

Q. 4. Who is considered as the father of modern digital programmable computers?

Herman H Goldstein

Charles Babbage

Marcian E Hoff

Joseph Jacquard

Q. 5. Which method should be used to open the airway in case of suspected C spine injury?

Jaw thrust

Back thrust

Abdominal thrust

Head tilt and chin lift

Q. 6. The force maintaining primary structure of a protein is called:

Hydrogen bonds.

Electrostatic (ionic) bonds.

Hydrophobic forces.

Peptide bonds.

Q. 7. The primary cause of depletion of ozone is the presence of in the atmosphere.

Chlorofluorocarbons

Hydrocarbons

Carbon monoxide

Nitrogen oxide

Q. 8. When is [National Earth Day](#) celebrated?

21st June

17th May

15th June

22nd April

Q. 9. Which of the following is known as laughing gas?

B₂O

CO₂

NO₂

N₂O

Q. 10. What is the colour of nitrous oxide gas cylinder?

White

Black

Gray

Blue

Q. 11. Aldosterone regulates:

sodium absorption

urine concentration

serum calcium

blood glucose

Q. 12. An intravenous solution of 0.45% sodium chloride is _____.

hypotonic

isomeric

hypertonic

isotonic

Q.13. A habitat is home to many organisms and destroying a habitat affects _____.

weather

resources

climate

biodiversity

Q. 14. Which is an intrinsic risk factor that places the client at risk for pressure ulcers?

Friction

Shearing

Impaired tissue perfusion

Pressure

Q. 15. The instrument used to retract the skin edges. blood vessels, nerves and abdominal wall is:

Czerny's retractor

Pronged retractor

Doyen's retractor

OT Technician Exam Paper with an Answer Key in pdf 2019

Q.16. The 'Pollutant Standard Index' is related to

air pollution

water pollution

noise pollution

soil pollution

Q.17. What mixture of gases is used in general anaesthesia?

O₂ and CO₂

CO₂, O₂, and N₂O

O₂ and N₂O

CO₂ and N₂O

Q. 18. When the Environment Protection Act came into force in India?

1988

1985

1987

1986

Q. 19. What is capnometry?

Measurement of end-tidal NO₂

The measurement of end-tidal CO₂

Measurement of end-tidal N₂O

Measurement of end-tidal O₂

Q.20. Cholecalciferol is synthesized in _____.

liver

kidney

intestinal mucosa

skin

Q.21. Which of the following is NOT considered a portal of entry for bacteria?

Intact skin

Eyes

Mouth

Nose

Q. 22. Lactam-lactim interconversion is an example of:

Anomerisation

Optical isomerism

Tautomerism

Epimerisation

Q. 23. A computer program that converts assembly language into object code is known as

Compiler

Assembler

Comparator

Translator

Q. 24. What type of immunity occurs when a person is given an injection of immune serum?

Adaptive immunity'

Active artificial immunity

Active natural immunity

Passive artificial immunity

Q. 25. What is the color-coding of the bags used in hospitals to dispose of human anatomical wastes such as body parts?

Blue

Red

Yellow

Black

Q. 26. Sick Building Syndrome refers to:

Second hand smoke

Indoor air quality

Outdoor air pollution

Photochemical smog

Q. 27 "What is the name of the temporary data storage area between a peripheral device and the CPU. which compensates for the difference between their speeds?

Temporary storage

Main storage

Buffer

Backing storage

Q. 28. The type of drain providing drainage of colorectal anastomosis is:

Silastics tube drain

Under water seal drainage

Vaccum drain

T-tube drain

Q. 29. During data processing, where does the actual execution of instructions takes place?

Storage Unit

Arithmetic logic Unit

Register unit

Control unit

Q. 30. Which of the following cellular organelles serve as the site of protein synthesis?

Golgi bodies

Mitochondria

Endoplasmic reticulum

Peroxisome

OT Technician Exam Paper 2019

Q. 31. "First, do no harm" is based on which ethical principle of health care?

Non-maleficance

Fidelity

Accountability

Beneficence

Q. 32. In hospitals the waste sharps are disposed of in containers.

blue

yellow

black

red

Q.33. Which of the following amino acids have an indoled ring in their structure?

Arginine

Histidine

Tryptophan

Proline

Q. 34. Which ozone layer provides great benefit to the life on Earth?

Tropopause

Stratosphere

Photosphere

Troposphere

Q. 35. Which of the following is an inhalation anaesthetic agent?

Fentanyl

Cyclopropane

Halothane

Ethylene

Q. 36. The MS-DOS operating system is a:

multi-tasking operating system.

command-driven interface.

graphical user interface system.

single-user operating system.

Q. 37. _____ the major fat present in adipose tissues.

Phospholipids

Triacylglycerol

Cholesterol

Sphingolipids

Q. 38. Full form of AEP is:

Auditory Evoked Potential.

Auxiliary Evoked Potential.

Ambulatory Evoked Potential.

Audiovisual Evoked Potential.

Q. 39. Most health-care-associated infections are transmitted to patients:

from the hands of the health care workers.

it's from dirty washrooms.

from hospital food.

by talking to each other.

Q. 40. Which of the following patients is at greatest risk for extravasation?

A client who is receiving potassium supplementation intravenously

The client who is receiving total parenteral nutrition

The client with cancer who is receiving bendamustine

A patient with heart failure who is receiving Ringer's lactate

Q. 41. Which of the following amino acids does NOT have an acidic side chain at neutral pH?

Tyrosine

Threonine

Glutamic acid

Aspartic acid

Q. 42. Which of the following is NOT the property of oxygen?

It is colorless.

It has some pungent smell.

It's highly explosive.

It is highly volatile.

Q. 43. What should be rate of compressions per minute while providing chest compressions in CPR?

120 per minute

100 per minute

140 per minute

80 per minute

Q. 44. One of the methods to measure changes in the levels of consciousness during anaesthesia is known as:

Tactile Evoked Potential.

Visual Evoked Potential.

Speech Evoked Potential.

Auditory Evoked Potential.

Q. 45. Which part of a computer system enables human operators to connect directly to the host computer?

Keyboard

Console

CPU

Printer

Q. 46. Ecosystem diversity: ESIC 2019 OT Technician Exam Paper with an Answer Key

includes the things that the environment makes and people take and use.

involves sustaining the energy flow, food web, and recycling of nutrients.

is something the environment does for free that benefits people.

is a predictable series of changes over time in plant and animal communities.

Q. 47. Whipple procedure is performed in the case of:

Obesity

Cancer of pancreas

Liver disorders

Breast cancer

Q. 48. With respect to anaesthesia, full form of PCA is:

Personal comfort Analgesia.

Patient comfort Analgesia.

Patient controlled Analgesia.

Personal control Analgesia.

Q. 49. Smallest item of data is called _____.

file

database

bit

character

Q. 50. Mayo's operation is done for:

Femoral hernia

Umbilical hernia

Epigastric hernia

Inguinal hernia

Q. 51. What is nephrectomy?

Surgical removal of kidney

Surgical removal of necrotic tissues

The surgical repair of a nerve

Surgical removal of a nerve

Q. 52. Which basic activity of daily living assistive device can be useful for the client who is affected with poor fine motor coordination?

An aphasia aid

A word boards

A button hook

Honey thickened liquids

Q. 53. _____ is the site of giving spinal anaesthesia.

L1 – L2

L2 – L3

L5 – L6

L3 – L4

Q. 54. The perianal varicose veins:

Polyps

Hemorroid's

Anorectal tumors

Fistulas

Q. 55. Microprocessors as switching devices are for which generation computers?

First generation

Second generation

Third generation

Fourth generation

Q. 56. Which of the following is NOT an input device?

Mouse

Keyword

Speaker

Scanner

Q. 57. The quadriceps exercises are the example of:

isotonic exercises.

isometric exercises

isokinetic exercises

ROM exercises.

Q. 58. What is the function of a nebulizer?

To facilitate the accurate supply of the gas

Maintain the levels of individual gases

To supply moisture in the form of droplets

To maintain the body temperature

Q. 59. Anal and perianal procedures should be performed in which of the following positions?

Lateral

Lithotomy

Dorsal recumbent

Trendelenburg

Q. 60. Which of the following procedures removes the entire breast and axillary contents but preserves the pectoral muscles? OT Technician Exam Paper 2021 with an Answer Key pdf

Lumpectomy

Radical mastectomy

Modified radical mastectomy

Segmental mastectomy

Q. 61. Which of the following risk factors is the most likely to be correctable?

Genetic predisposition

An external locus of control

Lifestyle choices

High risk behaviors

Q. 62. An instrument placed against a patient's chest to hear both lung and heart sounds is called:

Stethoscope

Telescope

Otoscope

Sphygmomanometer

Q. 63. To increase stability during the transfer of a patient, it is important to increase the base of support by:

bending the knees

tensing the abdominal muscles

leaning slightly backward

spacing the feet apart.

Q. 64. Select the arterial blood gas that is NOT within normal parameters and it is also a significant change for the client.

Arterial blood pH : 7.39

PaO₂ : 65 mm Hg

PaCO₂ : 40 mm Hg

SaO₂ : 96%

Q. 65. A small artery forceps used to hold small bleeders is called:

Babcock's tissue forceps

Non-toothed dissecting forceps

Mosquito forceps

Allis tissue forceps

Q. 66. All of the logic and mathematical calculations done by a computer happen in/on the:

Motherboard.

Central processing unit.

Central control unit.

System board.

Q. 67. In hospital, the infectious non-sharp waste i.e. soiled bandage, dressings, soiled cotton are disposed of in containers.

red

black

blue

yellow

Q. 68. What is the correct order of the intestinal layer, from inside to outside?

Serosa, musculature, mucosa

Mucosa, submucosa, serosa

Serosa, mucosa, musculature

Mucosa, serosa, musculature

Q. 69. During denaturation, proteins will not lose their structure with regard to _____.

quaternary structure

tertiary structure

primary' structure

secondary' structure

Q. 70. Preoperative or preprocedural prevention of infection is called:

Protective precautions

Prophylaxis

Primordial prevention

Primary prevention

Q. 71. Nerve block is a type of:

general anaesthesia.

topical anaesthesia.

regional anaesthesia.

local anaesthesia.

Q. 72. The instrument most commonly used to hold soft tissues, organs and bowel is:

Allis

Babcock

Kocher

Kelly

Q. 73. In MICR, C stands for _____.

Character

Code

Colour

Computer

Q. 74. Which of the following refers to a network interconnecting computers and other peripheral devices within a limited geographical area? ESIC OT Assistant/Technician Exam Paper with an Answer Key 2019

DSL

USB

LAN

RAM

Q. 75. Which of the following is NOT true regarding pulse oximeter?

It is used to measure O₂ saturation in blood.

It is used to measure the saturation of all the gases in the blood.

Sensor probe can be clipped on the finger, toe or earlobe.

It is a very sensitive monitor.

Q. 76. Which of the following is NOT the narcotic drug?

Pethidine

Demerol

Propofol

Morphine sulphate

Q. 77. Which of the following lipids is NOT present in vegetable oil?

Oleic acid

Linoleic acid

cholesterol

Stearic acid

Q. 78. While instructing the patient regarding 24 urine collection, which of the following should NOT be done?

Refrigeration of the specimen during collection may be required.

The first voided urine should be discarded.

Add some preservatives to prevent decomposition.

The last voided urine should be discarded.

Q. 79. Which of the following instruments is used to dilate the cervix during various procedures?

Hagar's dilator

Sims vaginal speculum

Vulsellum forceps

Fergusson speculum

Q. 80. In the Bhopal Gas Tragedy in the year 1984, which gas was leaked?

Methyl isocyanate

Oleum

Chlorine

Ammonia

Q. 81. In hospitals, the discarded medicines and cytotoxic drugs are disposed of in

red

yellow

black

blue

Q. 82. Scurvy happens due to deficiency of _____.

vitamin C

iodine

zinc

vitamin D

Q. 83. During starvation, which of the following substances does NOT increase in blood or tissue?

Glucagon

Glycogen

Epinephrine

Ketone bodies

Q. 84. The sugar(s) formed as a result of sucrose digestion is/are:

two moles of glucose.

fructose and glucose.

glucose and galactose.

maltose and glucose.

Q. 85. The condition in which protrusion of a part of stomach through the thoracic cavity is observed is called:

Achalasia

Esophageal varices

Hiatal hernia

Oesophagitis

Q. 86. McBumey's incision is used for:

Herniorrhaphy

Appendectomy

Nephrectomy

Cholecystectomy

[Railway staff nurse question paper 2019](#)

Q. 87. Which complication of immobility' would be of most concern in case of a bedridden patient?

Hypertension

Incontinence

Contractures

Dehydration

Q. 88. Which is a sign of thrombocytopenia?

The appearance of thrombophlebitis

Elevated platelets

Aplastic anemia

The appearance of petechiae

Q. 89. What is the full form of DVD? (OT Technician Exam Paper pdf)

Data Video Disk

Dynamic Video Disk

Direct Video Disk

Digital Video Disk

Q. 90. How many stages of anaesthesia are there?

Two

Four

Three

Five

Q. 91. The removal of entire tumor/mass is known as:

Excisional biopsy

Incisional biopsy

Staging biopsy

Needle biopsy

Q. 92. The direct visualisation of the common bile duct is accomplished with the help of a:

Trocar

Cho angiogram

Cholangiocath

Choledochoscope

Q. 93. What mixture of gases is used in cryofreezing anaesthesia?

O₂ and CO₂

O₂ and N₂O

NO₂ and CO₂

CO₂ and N₂O

Q. 94. When was the Safe Drinking Water Act enacted?

1974

1971

1972

1973

Q. 95. The eyeless suturing needles are called:

Round body needles

Atraumatic needles

Curved cutting needles

Taper cut needles

Q. 96. At what angle an intramuscular injection should be given?

45°

30°

90°

15°

Q. 97. Reduction of oxygen in blood is called.

anoxemia

apnoea

arrhythmia

anoxia

Q. 98. Which of the following is a method of collecting materials that can be broken down and reprocessed to manufacture new items? OT Technician Exam Paper with an Answer Key 2019

Deep-well injection

Composting

Industrial ecology

Recycling

Q. 99. The most important of the greenhouse gases is:

Carbon monoxide

Nitrous oxide

Methane

Carbon dioxide

Q. 100. Which of the following enzymes contains copper?

Cytochrome P450

Coenzyme Q

Cytochrome oxidase

Cytochrome B5

Section : General Aptitude

Q. 1. When is "[International Day](#) of Yoga"?

22 May

22 April

21 July

21 June

Q. 2. The urine consists of _____ urea.

2.5 %

3%

1%

5%

Q. 3. NITI Aayog was formed in the year:

2016

2013

2015

2014

Q. 4. Which vessels carry carbon dioxide rich blood from, all parts of the body back to [the heart](#)?

Capillaries

Artery

Veins

Ventricles

Q. 5. Who won the 2018 men's Ballon d'Or Award?

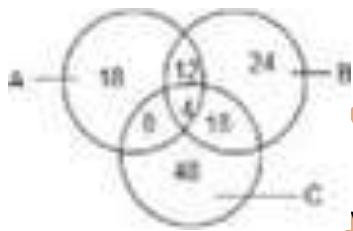
Cristiano Ronaldo

Lionel Messi

Mohamed Saleh

Luka Modric

Q. 6. The following Venn diagram shows information about the number of persons who like different types of Chocolates produced by company ZXYX during a survey in the school LMN



Venn diagram

What is the ratio of number of students who like chocolates of type C only to Type A and B but not C?

4:1

4:3

3:4

1:4

[RRB Nursing Question Paper with Answers pdf](#)

Q. 7. Sanjana is sister of Richa. How is Richa's father's mother's daughter related to Sanjana?

Paternal Aunt

Cousin

Sister

Mother

Q. 8. Find the value of x, where x is a positive integer.

$$\frac{\sqrt{x^2 - 4}}{\sqrt{x - 2}} = 16$$

250

254

256

252

Q. 9. If \$ stands for +, @ stands for -, * stands for x, % stands for ÷ then what would be the result of the following expression (OT Technician Exam Paper with an Answer Key 2019)
'16*3\$48%8@5'?

48

64

62

49

Q. 10. If BO = 30, EBO = 150, then CBO will be equal to:

120

100

90

60

Q. 11. Choose the word from the alternatives which has analogous relation to the given words:
Adrenal, pituitary, Thyroid, ? OT technician exam paper 2021

Heart

Lungs

Liver

Pancreas

Q. 12. If certain code language MEDICINE is the coded as 'EMIDICEN', then what would be the code for 'BHOPAL' in that 2 code languages?

HBLCGA

HBPOLA

POBAGC

AOCESU

Q. 14. What would be the missing term in the following series?

3,6,24,144,1152,?,138240

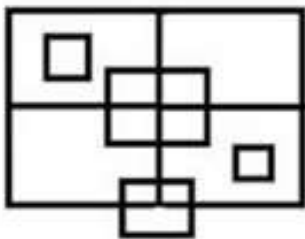
34560

17280

69120

11520

Q. 15. How many squares are there in the following figure?



15

19

17

12

Q.16. The volume of a right circular cylinder whose curved surface area is 2640 cm² and circumference of its base is 66 cm, is:

13860 cm³

15440 cm³

3465 cm³

7720 cm³

Q. 17. 50 square stone slabs of equal size were required to cover a floor area of 98 sq. m. Then the length of each stone slab is:

120 cm

125 cm

140 cm

130 cm

Q. 18. ABC is an equilateral triangle of side 8 cm. Then the length of each altitude is:

3√2cm

3√3cm

4√3cm

2√3cm

Q. 19. If $\frac{2 \sin a}{1 + \cos a + \sin a} = x$, then $\frac{\cos a}{1 + \sin a}$ equals:

1 - x

1 + x

1/x

x

Q. 20. If $2x + 3y = 5$ and $xy = 1/18$, then $8x^3 + 27y^3$ equals:

120

90

110

130

Q. 21. The diagonal of a rectangle is 10 cm and it is twice the length of one of the sides. Then the area of the rectangle is:

25 cm²20√3 cm²25√3 cm²

Q. 22. There are three persons denoted by A, B and C. A and B can do a piece of work in 12 days, B and C in 15 days, and C and A in 20 days. Then how many days B alone can do the same work?

30 days

25 days

20 days

60 days

Q. 23. From the top of a 9 m high building, the angle of elevation of the top of a tower is 60° and the angle of depression of its foot is 45° . Then the height of the tower is

$9(\sqrt{3}+1)$ m

$3\sqrt{3}$ m

9 m

$9\sqrt{3}$ m

Q. 24. The area of the Polygon is:

equal to the area of the Ogive

not equal to the area of the Histogram

equal to the area of the Histogram

equal to the area of the Frequency Curve

Q. 25. Two of the side faces of a pyramid are equilateral triangles and the other two side faces are right angled triangles. If the length of each side of the equilateral triangles is 6 m. Then the volume of the pyramid is:

$24\sqrt{3}$ m³

$18\sqrt{3}$ m³

$36\sqrt{2}$ m³

$60\sqrt{2}$ m³