

**Questions and Answer key of the written examination held on 28.02.2016 for the
post of Operation Theatre Technician in Regional Cancer Centre,
Thiruvananthapuram**

Directions (Qn. 1 to 60) : Choose the best alternatives.

1. Definitive treatment for life threatening arrhythmias, ventricular fibrillation and pulseless ventricular tachycardia
 - a. **Defibrillation**
 - b. Cardiac Massage
 - c. Thrombolysis
 - d. Angioplasty
2. An emergency procedure for people in cardiac arrest is
 - a. **C.P.R.**
 - b. Oxygen therapy
 - c. Suctioning
 - d. Endo tracheal intubation
3. A Capnography monitor is a device that measures level of
 - a. **Oxygen**
 - b. CO_2
 - c. Electrolytes
 - d. E.C.G
4. Surgically created opening in front of the neck as an emergency measure to relieve airway obstruction
 - a. Endotracheal intubation
 - b. **Tracheostomy**
 - c. Oesophagostomy
 - d. Thyroidectomy
5. Glasgow coma Scale has all except
 - a. verbal response
 - b. Motor response
 - c. **Servitory impairment**
 - d. Eye opening
6. Snellen's chart is used to test
 - a. **Vision**
 - b. Edema
 - c. Refraction
 - d. Color blindness
7. The term anesthesia means
 - a. Sensation
 - b. **no sensation**
 - c. pain
 - d. no pain
8. Anaesthesia very suitable for surgeries involving lower parts of body
 - a. General anaesthesia
 - b. Local anaesthesia
 - c. Regional block
 - d. **Spinal anaesthesia**

9. Low spinal anaesthesia usually given for surgeries of perineal and rectal man
- a. Cardal block
 - b. Epidural
 - c. Field block
 - d. Nerve blockage
10. Devices used to raise the foot or head end of the patent bed is formed
- a. Sand bags
 - b. Bed cradle
 - c. Back rest
 - d. **Bed blocks**
11. Fraction applied directly to the bone using pias under asceptic precautions
- a. Skin traction
 - b. Skeletal traction
 - c. Pelvic traction
 - d. Head traction
12. The act of manually compressing the heart and ventilating lungs in the even of cardiac arrest is
- a. **cardio pulmonary Resuscitation**
 - b. Defibrillation
 - c. Mechanical Ventilation
 - d. Cardiac pacing
13. The ideal method of opening the airway of a patient in cardiac arrest who is suspected to have cervical spine injury
- a. Head tilt, Chin lift
 - b. **Jaw thrust**
 - c. Abdominal thrust
 - d. Finger sweep
14. Non invasive method of estimating arterial oxygen
- a. A B. G. analysis
 - b. **Pulse oxymetry**
 - c. Blood examination
 - d. Pulmonary function test
15. Position preferred for gynecological examination
- a. Anaemia
 - b. Polycythemia
 - c. **Leukemia**
 - d. Positioning
16. For the examination of rectum, which is the most suitable position
- a. Lithotomy **position**
 - b. **Knee chart position**
 - c. Supine position
 - d. Prone position
17. Moving a point away from body is called
- a. Adduction
 - b. **Abduction**
 - c. Circumduction
 - d. Rotation
18. Sigmoidoscopy is done in
- a. Fowler's position
 - b. Lithotomy Position
 - c. **Knee chart position**
 - d. Prone position

19. Period between exposure to a pathogenic organism and onset of symptoms of disease
- a. window period
 - c. incubation period**
 - b. prodromal period
 - d. none of the above
20. Dengue fever is an infection caused by a virus transmitted by the mosquito
- a. Aedes Aegypti**
 - c. Culex
 - b. Anopheles
 - d. All of the above
21. System of storage and transport of vaccines at low temperature from the manufacturer to actual vaccination site is called
- a. Cold chain**
 - c. Cold room
 - b. Deep freeze
 - d. Vaccine container
22. Mantoux test is done to diagnose
- a. Diphtheria
 - c. Tuberculosis**
 - b. AIDS
 - d. Measles
23. The term that refers to the presence of stones in urinary tract is
- a. Urolithiasis**
 - c. Nephrolithiasis
 - b. Cholelithiasis
 - d. Ureterectasis
24. Surgical Removal of entire lung is called
- a. Lobectomy
 - c. Pleurectomy
 - b. Pneumonectomy**
 - d. Segmentectomy
25. Tiny air sacs in the lungs
- a. Bronchus
 - b. Bronchioles
 - c. Alveoli**
 - d. Glottis
26. Antibiotic drug invented by Alexander Fleming
- a. Cephalosporin
 - c. Aminoglycosides
 - b. Penicillin**
 - d. None of the above
27. Reduced level of Sodium in blood causes an electrolyte imbalance called
- a. hypovolemia
 - c. hypokalemia
 - b. hyponatremia**
 - d. hypocalcemia
28. Bluish discoloration of skin and mucous membranes
- a. cyanosis**
 - b. ecchymosis
 - c. ischaemias
 - d. erythema
29. Low blood glucose level (less than 60 mg/dl) is called
- a. hypotension
 - b. hypoglycemia**
 - c. hypovolemia
 - d. hypoxemia

30. The process of removing all the microorganism along with their spores is called
- a. disinfection
 - b. fumigation
 - c. sterilization**
 - d. isolation
31. What should be the size of a general surgery O. T.?
- a. 18 feet x 20 feet**
 - b. 18 feet x 24 feet
 - c. 18 feet x 22 feet
 - d. 16 feet x 20 feet
32. Surgery scheduled in advance, as it is not a medical emergency is called Anaesthesia most preferred for caesarean section is
- a. General Anaesthesia
 - b. Spiral Anaesthesia**
 - c. Regional Nerve block
 - d. Local Anaesthesia
33. A device used to deliver anesthesia medications in a controlled manner by setting drops per minute is called
- a. Boyle's apparatus
 - b. Off pump devices
 - c. Infusion pump**
 - d. All of the above
34. Identify the term that describes a disinfection can kill bacteria
- a. Bacteriostatic
 - b. Bactericidal**
 - c. Pathogenic
 - d. Aseptic
35. In preventing and controlling the transmission of infections, the single most important technique is
- a. hand hygiene**
 - b. use of disposable gloves
 - c. use of isolation precaution
 - d. sterilization
36. The absence of pathogenic (disease producing) microorganism is called
- a. Aerobic
 - b. Anaerobic
 - c. Asepsis**
 - d. Bacteriostatic
37. A type of hospital acquired infection from a diagnosis or therapeutic procedure is termed
- a. nosocomial infection
 - b. iatrogenic infection**
 - c. airborne infection
 - d. opportunistic infection
38. Micro organisms that reside on the surface and deep layers of skin is that saliva and oral mucosa, and in gastro interlineal and genitor urinary tracts that do not cause disease
- a. Pathogen
 - b. Vector
 - c. Normal flora**
 - d. Phagocyte
39. When a patient is on droplet infection precaution, what should the patient and others wear before he is transported?
- a. mask**
 - b. gown
 - c. gloves
 - d. goggles

40. Immunity obtained as a result of experience illness is called
- a. **Active, natural immunity** b. passive natural immunity
c. Active acquired immunity d. Passive acquired immunity
41. Which device could be used when place placing a patient in the operative position for a thyroidectomy?
- a. **shoulder roll** b. chart roll c. bean bag d. axillaries roll
42. Which of the following is MOST resistant to sterilization process?
- a. Virus **b. Spore** c. Spirochete d. Fungus
43. Immediately before hemorrhoidectomy which of the following procederes might be performed one the patient in operating room?
- a. Cystoscopy b. Culdoscopy **c. Proctoscopy** d. laparoscopy
44. Which of the following is a chemical sterilitant usually used for sharp instruments?
- a. alcohol **b. glutaraldehyde**
c. merthiolate d. sodium hypochlorite
45. What is the recommended temperature in an operating room?
- a. 15 – 19°C **b. 20 – 24°C** c. 25 – 29°C **d. 30 – 34°C**
46. Which of the following increases air contamination in the operating room?
- a. Restricting air traffic in and out
b. damp dusting with germicidal solution
c. maintaining air pressure lower than outside hall
d. using pneumatic surgical equipment
47. Which of the following is NOT a symptoms of shock?
- a. tachycardia **b. hypertension**
c. cold, clammy skin d. increased respiration
48. Surgical removal of uterus is called.
- a. gostrectomy b. cholecystectomy
c. colectomy **d. hysterectomy**
49. An example of an opioid analgesic is
- a. Aspirin b. Acetaminophen
c. Ibuprofen **d. Fentanyl**

50. Gamma knife is used in surgery of
a. Abdomen **b. Brain** c. Lungs d. Heart
51. Heart is surrounded by on outer covering called
a. pleural membrane b. meninges
c. pericardium d. myelin sheath
52. Cholecystectomy refers to surgical removal of
a. Kidney b. Ovary
c. Urinary bladder **d. gall bladder**
53. The method of sterilizing an Operating Room using a gas that destroy microorganism is called
a. Autoclaving b. Disinfection
c. Fumigation d. Infection control
54. Area in an OT complex planned for IV lire insertion, preparation of patient, catheter/RT insertion and has facility for O₂ and CPR is called
a. Reception b. Induction Room
c. Storage Room **d. Holding Room**
55. The doors of each OT should ideally be
a. made of wood **b. sliding doors**
c. hinge doors d. none of the above
56. Suffix denoting surgical renewal of an organ
a. -ectomy b. – ostomy c. - scopy d. – otomy
57. Accumulation of blood within the tissues, which clots to form solid swelling
a. hemothorax b. hemotysis
c. hematoma d. hemorrhage
58. Abnormal communication between two hollow organs or between a hollow organ and skin
a. Fascia **b. Fistula** c. Anastomosis d. Tissue
59. Proper positioning during surgery is important because
a. prevents prolonged pressure on boney prominences
b. adds comfort
c. appropriate access to surgical site
d. all of the above

60. Patient's bony prominence at elbow, heels are supported while positioning using
- a. Pillows
 - b. **Donut pads**
 - c. Arm strap
 - d. Boards

Directions (Qn. 61 to 64) : Select the correct word or phrase to complete a grammatical sentence.

61. I wish my brother _____ here to listen to this entertaining lecture.
- a. would be
 - b. has been
 - c. is
 - d. **were**
62. After the election _____ a new stage.
- a. the entering nation
 - b. **the nation will enter**
 - c. to enter the nation
 - d. will the nation enter
63. He is a good _____ and has specialized in painting walls of houses
- a. artist
 - b. artiste
 - c. **artisan**
 - d. artifact
64. _____ business, a merger is a combination of two or more corporations under one management
- a. At
 - b. **In**
 - c. The
 - d. On

Direction (Qn 65 to 67) : Pick out the antonym of the words given below

65. ORIGIN
- a. ointment
 - b. detergent
 - c. **remnant**
 - d. comfort
66. SPREAD
- a. express
 - b. prohibit
 - c. **contain**
 - d. contradict
67. WILD
- a. arrogant
 - b. **tamed**
 - c. humble
 - d. rude

Direction (Qn 68 to 70) : Choose the correct spelling of the given word

68. a. Argumant b. Arguemant c. **Argument** d. Arguement
69. a. Achievment b. Acheivment c. **Achievement** d. Achevement
70. a. **Tariff** b. Tarriff c. Tarif d. Tarrif

Directions (Qn. 71 to 73) : Choose the best alternatives.

71. Ram walks 10 m to the east, then turning to north walks 15m and then turning to west walks 10 m and then turning to south walks 15m. How far is Ram from the starting point?
- a. 0 m b. 2 m c. 4 m d. 5 m
72. Sonu's age is $\frac{2}{3}$ rd of Manu's. After 5 years Sonu will be 45 years old. Manu's present age is
- a. 55 b. 56 c. 58 d. 60
73. Pointing to a man in a photograph, a woman said, " His brother's father is the only son of my grandfather". How is the woman related to the man in the photograph?
- a. Mother b. Aunt c. Sister d. Daughter

Directions (Qn. 74 and 75) : Find the correct pair from the alternatives given in answer choices below, to locate the same relationship among the group of letters/words as established between the sets in the question.

74. AD : BE :: CF : ?
- a. DE b. EC c. DG d. FG
75. RECTANGLE : SQUARE :: ELIPSE : ?
- a. Centre b. Diameter c. Circle d. Radius

Directions (76 to 83) : Figures given in each question follow a set pattern. Determine the pattern and find the correct answer.

76. 4, 10, 22, 46, ?
- a. 56 b. 66 c. 76 d. 94
77. 4, 6, 9, 14, 21, 32, ?
- a. 54 b. 43 c. 56 d. 45
78. Find the number whose double is greater than its half by 30.
- a. 20 b. 25 c. 30 d. 32
79. If 3 apples are worth 2 bananas, how many bananas are 15 apples worth?
- a. 15 b. 10 c. 8 d. 5

80. If the side of a square is increased by 3 cm, the area increases by 33 cm. The side of the square is.
- a. 6 cm b. 5 cm c. **4 cm** d. 3 cm
81. A man purchases a car at a discount of 20% from a wholesaler and sells it at a profit of 20% for Rs. 1800. How much discount did he get from the wholesaler?
- a. 150 b. 200 c. 300 d. **375**
82. The radii of two cylinders are in the ratio 2:3 and heights are in the ratio 5:3. Calculate the ratio of their volumes.
- a. 27:20 b. **20:27** c. 13:20 d. 20:13
83. If A can complete a work in 6 hours, and B can complete it in 8 hours, then how much time would they take to complete the work together?
- a. **$3\frac{3}{7}$** b. $2\frac{5}{2}$ c. $4\frac{5}{6}$ d. $5\frac{1}{3}$

Directions (84 and 85) : In each of the following questions, four groups of letters are given, out of which three are alike in a certain way while one is different. Choose the odd one.

84. a. UTSR b. **IHGE** c. NMLK d. ZYXW
85. a. ACEG b. IKMO c. **TVWY** d. FHJL

Directions (Qn. 86 to 100) : Choose the best alternatives.

86. Who is the inventor of Laptop Computer?
- a. Allan Kay b. **Adam Osborne**
c. Charles Babbage d. Konrad Zuse
87. How many countries share land boundaries with India?
- a. Five b. Six c. **Seven** d. Nine
88. The Oscar –winning music composer A R Rehman has a street named after him in;
- a. Spain b. **Canada** c. Russia d. France
89. Which of the following states has Camel as its official animal?
- a. Haryana b. Odhisha c. **Rajasthan** d. Bihar

90. Speaker of the Lok Sabha
a. Hameed Ansari
c. Meera kumar
b. **Sumithra Mahajan**
d. Najma Heptulla
91. The term of office of a member in Rajya Sabha
a. 4 Years
b. Five Years
c. **Six years**
d. No fixed term
92. The SAARC secretariat is located at;
a. **Kathmandu**
b. Karachi
c. New Delhi
d. Colombo
93. The Aryans came to India from;
a. Eastern Europe
b. **Central Asia**
c. South Africa
d. Sree Lanka
94. The Right to Information Act was passed in;
a. 2015
b. **2005**
c. 1956
d. 1977
95. Sania Nehwal is related with which among the following sports?
a. Tennis
b. Chess
c. **Badminton**
d. Chess
96. Which amongst the following abbreviations stands for organisation related to Indian Space Programme?
a. NASA
b. **ISRO**
c. NSAT
d. ISO
97. The Head Quarters of WHO
a. Vienna
b. **Geneva**
c. Washington
d. Bern
98. The winner of Ezhuthachan Award in 2015
a. M. K Sanu
c. **Puthusseri Ramachandran**
b. O N V Kuruppu
d. C. Radhakrishnan
99. Who is the author of 'Wings of Fire'?
a. Sardar Vallabhbhai Pattel
c. Arundhati Roy
b. T. N. Seshan
d. **A P J Abdul Kalam**
100. 'Elephanta Island' is located in which State?
a. Karnataka
b. Odisha
c. West Bengal
d. **Maharashtra**