

100/2022

Maximum : 100 marks

Time : 1 hour and 30 minutes

1. Arterial Blood Gas analysis of pH 7.3, PaO₂ 56 mm of Hg, Pa CO₂ 74 mm of Hg, HCO₃⁻ 26 mmol/L indicates :
(A) Metabolic acidosis (B) Respiratory acidosis
(C) Metabolic alkalosis (D) Respiratory alkalosis

2. Right lumbar region is occupied by :
(A) Liver, gall bladder, right colon
(B) Liver gall bladder, right kidney, small intestine
(C) Appendix, caecum
(D) Duodenum, Jejunum, Ileum

3. Spinal cord injury at the level of T1 and L1-L2 results in the following motor loss :
(A) Quadriplegia
(B) Quadriplegia with intact diaphragmatic breathing
(C) Paraplegia
(D) Mixed loss of bowel, bladder and sexual function

4. The venous return from the stomach and intestine drains into the :
(A) Mesenteric vein (B) Internal iliac vein
(C) External iliac vein (D) Portal vein

5. Arterial supply of femoral head is by :
(A) Ligamentum teres artery (B) Medial epiphyseal artery
(C) Hemiazygous artery (D) Profunda femoris

6. Appendix of epididymis is derived from :
(A) Wolfian duct (B) Truncus arteriosus
(C) Para axial mesoderm (D) Urogenital sinus

7. The position which facilitates diaphragm excursion and enhanced lung expansion:
(A) Semi fowler's position (B) Fowler's position
(C) Dorsal recumbent position (D) Prone position

A

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[P.T.O.]

8. The steps of hand washing when arranged in order includes :
- (i) Wash Thumbs
 - (ii) Wash knuckles and fingers
 - (iii) Wash palm of hands
 - (iv) Wash back of hands
 - (A) (iii), (iv), (ii), (i)
 - (B) (iv), (iii), (ii), (i)
 - (C) (iii), (iv), (i), (ii)
 - (D) (iv), (iii), (i), (ii)
9. The recommended rate of flow of oxygen through a nasal cannula :
- (A) 3 – 6 L/mt
 - (B) 1 – 4 L/mt
 - (C) 4 – 8 L/mt
 - (D) 6 – 10 L/mt
10. According to principles of body mechanics, while lifting or carrying heavy objects, one must :
- (A) Hold the back straight
 - (B) Hold the object away from the body
 - (C) Keep legs and arm closed
 - (D) Have a wide base of support
11. The highest level of needs according to Maslow’s hierarchy of basic human needs is :
- (A) Self esteem
 - (B) Love and belongingness
 - (C) Self actualization
 - (D) Safety and security
12. A concern for the welfare and well being of others is known as :
- (A) Ethics
 - (B) Empathy
 - (C) Integrity
 - (D) Altruism
13. Critical pathways include identification of variances that always define :
- (A) Standards of practice
 - (B) Patient focused outcomes
 - (C) Patient problems
 - (D) Progress of patients
14. While opening a wrapped sterile item, the nurse must first :
- (A) Open outermost flap away from the body, keeping arm outstretched and away from sterile field
 - (B) Open innermost flap towards the body first, keeping arm outstretched and away from sterile field
 - (C) Open side flap and pull to side
 - (D) Stand close to sterile package
15. The temperature of water in the hot water bag which is considered safer for normal adult and child over 2 years is :
- (A) 40.5°C – 46°C
 - (B) 46°C – 52°C
 - (C) 52°C – 55°C
 - (D) 60°C – 65°C

16. What is the primary pathophysiologic process of spinal shock?
- (A) Loss of control of cardiovascular mechanism
 - (B) Temporary loss of reflex function below the level of injury
 - (C) Exaggerated sympathetic response
 - (D) Damage to the lower motor neurons
17. The polydipsia and polyuria related to diabetes mellitus are primarily caused by :
- (A) The release of ketones from cells during fat metabolism
 - (B) Fluid shifts resulting from the osmotic effect of hyperglycemia
 - (C) Damage to the kidneys from exposure to high levels of glucose
 - (D) Changes in RBC resulting from attachment of excessive glucose to Haemoglobin
18. A client has manifestations of autonomic dysreflexia. Which of these assessments would indicate possible cause for this condition?
- (A) Kinked catheter tubing
 - (B) Extreme hypertension
 - (C) Skin breakdown over the coccyx
 - (D) Respiratory wheezes and stridor
19. The most effective intervention in decreasing absorption of an ingested poison is :
- (A) Ipecac syrup
 - (B) Milk dilution
 - (C) Gastric lavage
 - (D) Activated charcoal
20. Carotid Endarterectomy is done to :
- (A) Decrease cerebral edema
 - (B) Reduce the brain damage that occurs during a stroke in evolution
 - (C) Prevent a stroke by removing artherosclerotic plaques blocking cerebral blood flow
 - (D) Provide a circulatory bypass around thrombotic plaques obstructing cranial circulation
21. Normal PR interval is :
- (A) 0.2 seconds
 - (B) 0.012 – 0.020 seconds
 - (C) 0.010 seconds
 - (D) 0.3 – 0.5 seconds
22. Impetigo is an inflammatory skin disease caused by :
- (A) Pneumococci
 - (B) Staphylococcus Aureus
 - (C) LICE
 - (D) Ring worm infection
23. An ABG value with decreased PaCO₂, increased pH with normal bicarbonate indicate :
- (A) Metabolic Acidosis
 - (B) Respiratory Acidosis
 - (C) Metabolic Alkalosis
 - (D) Respiratory Alkalosis

24. Inability to recognize an object by feeling its size and shape is called :
- (A) Astereognosis (B) Agraphia
(C) Anosognosia (D) Apraxia
25. Cushing's triad is observed in :
- (A) Cholecystitis (B) Head injury
(C) Cushing's syndrome (D) Shock
26. The technique that uses ultrasound vibrations to break up the opacified lens material is called :
- (A) Evisceration (B) Enucleation
(C) Phacoemulsification (D) Intracapsular lens extraction
27. The ideal cuff pressure of a tracheostomy tube is :
- (A) Less than 10 cm H₂O (B) 18 – 20 cm H₂O
(C) 20 – 30 cm H₂O (D) More than 30 cm H₂O
28. The most common pathologic finding in individuals with sudden cardiac death is :
- (A) Cardiomyopathies (B) Mitral Value Disease
(C) Artherosclerotic Disease (D) Left Ventricular Hypertrophy
29. The Oxygen delivery system chosen for the patient in acute respiratory failure should :
- (A) Always be a low flow device such as nasal canula
(B) Correct the PaO₂ to a normal level as quickly as possible
(C) Administer positive pressure ventilation to prevent CO₂ narcosis
(D) Maintain the PaO₂ at 60 mm Hg or greater at the lowest O₂ concentration possible
30. The normal CSF protein is :
- (A) 15 – 45 mg/dl (B) 15 – 45 gm/dl
(C) 5 – 15 mg/dl (D) 5 – 15 gm/dl
31. Transverse cervical ligament is also known as :
- (A) Pubocervical ligament (B) Mackenrodt's ligament
(C) Round ligament (D) Uterosacral ligament
32. The placenta is derived from :
- (A) Trophoblast (B) Hypoblast
(C) Morula (D) Epiblast
33. Antidote for Magnesium sulphate is :
- (A) Atropine sulphate (B) Sodium bicarbonate
(C) Potassium chloride (D) Calcium gluconate

34. Deep transverse arrest can occur in this position :
 (A) Right sacroanterior (B) Right occipitoposterior
 (C) Left mentoanterior (D) Left sacroposterior
35. Superficial oedema and bruising in the subcutaneous fatty tissue around umbilicus is :
 (A) Stallworthy sign (B) Bagel sign
 (C) Cullen's sign (D) Spalding sign
36. B Lynch suture is applied in :
 (A) Post partum haemorrhage (B) Hysterectomy
 (C) Episiotomy (D) Antepartum haemorrhage
37. Following drugs are used for ovulation induction except :
 (A) Clomiphene citrate (B) Metformin
 (C) Gonadotrophins (D) Danazol
38. What is the ratio of chest compression to ventilation while resuscitating new born?
 (A) 2 : 1 (B) 3 : 1
 (C) 5 : 1 (D) 4 : 1
39. Transformation zone is closely associated with :
 (A) Chronic cervicitis (B) Endometriosis
 (C) Cervical cancer (D) Endometrial cancer
40. The following are the components of Bishop's score except :
 (A) Station of presenting part (B) Foetal heart rate
 (C) Cervical dilatation (D) Effacement of cervix
41. The recommended caloric requirement of 1 year old child is :
 (A) 1000 kcal/day (B) 1100 kcal/day
 (C) 1200 kcal/day (D) 1300 kcal/day
42. An under developed small mandible is a characteristic feature of :
 (A) Down syndrome (B) Prader-Willi syndrome
 (C) Cri-du-chat syndrome (D) Pierre Robin syndrome
43. Which among the following statement is not true regarding the care of a normal new-born?
 (A) All babies should receive vitamin K prophylaxis
 (B) Mother shouldn't be informed of the danger signals
 (C) Breast feeding is initiated as soon as possible
 (D) Initial immunisation should be given before discharge

44. The cranial suture found between two parietal bones is :
- (A) Frontal suture (B) Coronal suture
(C) Sagittal suture (D) Lambdoid suture
45. Pasteurised culture negative human milk can be preserved in human milk bank for a period of :
- (A) 2 – 4 months (B) 4 – 6 months
(C) 6 – 8 months (D) 8 – 10 months
46. A child can draw a complete triangle at :
- (A) 2 Years (B) 3 Years
(C) 4 Years (D) 5 Years
47. Which among the following is seen in Marasmus, but not in Kwashiorkor?
- (A) Oedema (B) Fatty changes in liver
(C) Good appetite (D) Anaemia
48. Colic's pain, vomiting, red currant jelly stools and palpable lump per abdomen are diagnostic features of :
- (A) Hernia and triangulation (B) Intestinal atresia
(C) Stricture or stenosis of intestine (D) Intussusception
49. Pancreatic insufficiency, neutropenia, metaphyseal dyschondroplasia and growth retardation are characteristic features of :
- (A) Shwachman Syndrome (B) Wiskott-Aldrich Syndrome
(C) Di George Syndrome (D) Holt-Oram Syndrome
50. Which among the following is a freeze sensitive vaccine?
- (A) BCG (B) OPV
(C) DPT (D) Measles
51. In the pathogenesis of Alzheimers Disease, the initial pathological event is :
- (A) Deposition of beta-amyloid (B) Formation of senile plaque
(C) Formation of neurofibrillary tangles (D) Degeneration of neuron
52. A client with borderline personality disorder, tend to idealize a friend as perfect at the start of the relationship. But at the first disappointment, the client suddenly considers the friend as a cheater. The defense mechanism used is :
- (A) Dissociation (B) Displacement
(C) Undoing (D) Splitting

53. An excitatory neurotransmitter in high level can excite a neuron to such a extend that the cells die. This property often referred to as excitotoxicity is associated with :
- (A) Acetylcholine (B) Glutamate
(C) Dopamine (D) Epinephrine
54. A Forensic mental health nurse assist the law enforcement officers on the scene, assess the mental status of perpetrator, participate in critique of the incident and provide a link to mental health agency. This role is referred to as :
- (A) Consultant (B) Hostage Negotiator
(C) Forensic Nurse Examiner (D) Criminal Profiler
55. A nurse must possess certain qualities to initiate and maintain therapeutic relationship. The following are the action-oriented conditions for facilitative nurse patient relationship except :
- (A) Catharsis (B) Role playing
(C) Empathy (D) Confrontation
56. When administering medication, the nurse needs to assess patient's response to medication. The nurse uses the following rating scale for assessment of Neuroleptic induced Parkinsonism for patient receiving antipsychotic
- (A) Simpson Angus Rating Scale
(B) Abnormal Involuntary Movement Scale
(C) Clinical Global Impressions Scale
(D) Toronto Side effect Scale
57. A mental health nurse works in a community or home along with other team members to provide unlimited medical, psychosocial and rehabilitative services to adults with severe mental illness. This type of community intervention is referred as :
- (A) Traditional Mental Health Care (B) Multisystem therapy
(C) Case Management (D) Assertive community therapy
58. A client who has recently diagnosed to have cancer, says that the investigations are wrong and it can't happen to him. The nurse who provides care to this client recognize this as an :
- (A) Appraisal focused coping (B) Anticipatory coping
(C) Problem focused coping (D) Emotion focused coping
59. A client with mania makes a comment "The nurse during day shift did not allow me to go out of the ward. You are such a nice person, who is very loving and caring, I know you will definitely allow me". The new assigned nurse also did not allow him to go out. Here the behaviour of the nurse is based on the principle that
- (A) Consistency is to be maintained
(B) Avoid unnecessary increase in patient anxiety
(C) Maintain realistic nurse patient relationship
(D) Use self-understanding as a therapeutic tool

60. A client presented with a condition in which a thought never entertained before is incorrectly regarded as a repetition of a previous thought. The nurse recognises that it is :
- (A) Jamais vu (B) Deja entendu
(C) Deja pense (D) Deja vu
61. Specificity of a test refers to its ability to detect :
- (A) True positive (B) True negative
(C) False positive (D) False negative
62. Causal association of factors can be revealed by :
- (A) Case control study (B) Cohort study
(C) Cross sectional study (D) Experimental study
63. Ratio of the incidence of the disease among exposed and the incidence of the disease among non-exposed is called :
- (A) Population attributable risk (B) Odds ratio
(C) Relative risk (D) Attributable risk
64. Corpulence index means :
- (A) Measurement of obesity (B) Measurement of hemoglobin
(C) Measurement of blood glucose (D) Measurement of blood pressure
65. The term tracking of blood pressure refers to :
- (A) 24 hr monitoring of bp for every week
(B) Follow up of bp over a period of years from early childhood into adult life
(C) Control of bp by medication
(D) Monitoring bp daily for one month
66. In cold chain process, the walk-in coolers stores vaccine upto :
- (A) 1 month (B) 3 months
(C) 6 months (D) 9 months
67. The number of live births per 1000 women in the reproductive age group in a given year is called :
- (A) Birth rate (B) Gross reproduction rate
(C) Total fertility rate (D) General fertility rate
68. The purpose of Sentinel surveillance is to :
- (A) Establish natural history of disease
(B) Detect the total number of cases of a disease in a community
(C) Identifying the missing cases in a community
(D) Plan intervention

69. The simplest test widely used in India for the diagnosis of Kala-azar is :
(A) Antigen test (B) CB-NAAT
(C) Line Probe Assay (D) Aldehyde test of Napier
70. Management technique which makes more detailed planning & more comprehensive supervision is called :
(A) Programme evaluation and review technique
(B) Critical path method
(C) Input out analysis
(D) Management by objectives
71. To which of the four levels of Miller's pyramid does OSCE conform to?
(A) know how (B) does
(C) shows how (D) knows
72. To which of the following domains does nondiscursive communication belong to?
(A) affective domain (B) psychomotor domain
(C) communicative domain (D) cognitive domain
73. Chief exponents of pragmatism
(i) Herbert Spencer
(ii) Arnold Barkley
(iii) John Dewey
(iv) William James
(A) (i) and (ii) (B) (i) and (iv)
(C) (iii) and (iv) (D) (i) and (iii)
74. Programmed learning is based on :
(A) Behavioral learning theory (B) Cognitive learning theory
(C) Social learning theory (D) Moral development theory
75. What does Lewin's Field theory purpose?
(A) Children move through four different stages of learning
(B) Individual's knowledge acquisition can be directly related to observing others
(C) Mental growth occurs by integrating simpler concepts into higher level concepts
(D) Behaviour is the result of individual and environment

76. Which among the following is the most appropriate instructional strategy that helps a learner to link something new and seemingly unfamiliar, to something already understood :
- (A) interleaving technique (B) socratic questioning
(C) interactive simulation (D) tutorial instruction
77. Ipsative assessment refers to :
- (A) Self assessment (B) Norm referenced assessment
(C) Criterion referenced assessment (D) Authentic assessment
78. Cathartic theory of education deals with :
- (A) purification of student's spirit (B) cleaning up of school premises
(C) release of negative emotions (D) ensuring success in student's career
79. The spearman brown prophecy formula relates to :
- (A) difficulty index of test item (B) discriminating power of test item
(C) validity of test (D) reliability of test
80. Which of the following statements is false about counselling?
- (A) It is preventive
(B) It operates at emotional level
(C) Its focus is not on solution to the problem but on understanding of the problem
(D) It concentrates on personal problems and social issues
81. Role of devil's advocate in a team is to :
- (A) reduce loss, theft and pilferage (B) reduce group think
(C) reduce turnover of employees (D) reduce employee absenteeism
82. Which among the following statements are false about Japanese Management style?
- (A) Stands for lifetime employment
(B) Implicit control measures are employed
(C) Hierarchical in nature
(D) Collective decision making
83. According to McGregor which among the following statement are true?
- (i) theory X leader believes that subordinates are extrinsically motivated
(ii) theory X leader believes that subordinates are intrinsically motivated
(iii) theory Y leader believes that subordinates are intrinsically motivated
(iv) theory Y leader believes that subordinates are extrinsically motivated
- (A) (i), (iii) (B) (ii), (iv)
(C) (i) only (D) (ii) only

84. In six sigma model, number of acceptable errors is :
- (A) 0.34 per one million occurrences (B) 0.43 per one million occurrences
(C) 4.3 per one million occurrences (D) 3.4 per one million occurrences
85. The specification of contents, methods and relationships of jobs in order to satisfy technological and organisational requirements as well as the social and personal requirements of the job holder is :
- (A) Job analysis (B) Job design
(C) Job description (D) Job specification
86. Four fifths rule is connected with :
- (A) Labour turnover analysis (B) Internal transfer
(C) Inventory turnover ratio (D) Adverse impact in selection process
87. Job shadowing is connected with :
- (A) Work assessment (B) Apprenticeship
(C) Job analysis (D) Job descriptive index
88. Which among the following increases as group size increases?
- (A) Job satisfaction (B) Group cohesiveness
(C) Social loafing (D) Group interaction
89. Formula for calculating realistic time frame for project completion using PERT ('o' – optimistic time, 'm' – most likely time; 'p' – pessimistic time) :
- (A) $\frac{o + 4m + p}{6}$ (B) $\frac{2'o'+2m + 2p}{6}$
(C) $\frac{4'o'+2m + p}{6}$ (D) $\frac{o + 2m + 4p}{6}$
90. Inventory shrinkage cost refers to :
- (A) selling obsolete stock (B) reduction in resale value
(C) managing frequency of ordering (D) cost of pilferage
91. Best strategy for improving non performing worker :
- (A) coaching (B) mentoring
(C) training (D) counselling
92. _____ is appropriate for the development of an employee who wants to take an additional responsibility.
- (A) providing negative feedback (B) offering ostentations living conditions
(C) giving stretch assignments (D) all of the above

93. Gaussian distribution refers to :
- (A) normal distribution (B) binomial distribution
(C) poisson distribution (D) continuous uniform distribution
94. Formula for Standard Error of Mean (SEM) (SD = Standard Deviation ; N = Sample Size) :
- (A) $\frac{\sqrt{N}}{S\Delta}$ (B) $\frac{N}{\sqrt{S\Delta}}$
(C) $\frac{\sqrt{S\Delta}}{N}$ (D) $\frac{S\Delta}{\sqrt{N}}$
95. An idea or image specifically invented for a new research, usually abstract in nature :
- (A) concept (B) stimulus
(C) construct (D) variable
96. Process by which dominant social groups impose their values and beliefs on others :
- (A) cultural globalisation (B) cultural hegemony
(C) cultural materialism (D) cultural domains
97. A cultural theory that challenges binary notions of sexuality and instead suggests that sexualities are cultural constructs :
- (A) Queer theory (B) Conflict theory
(C) Social functional theory (D) Symbolic interaction theory
98. The event or perceived event that triggers a reaction in which people become excited to the point of losing their critical thinking abilities and acting irrationally :
- (A) violence (B) antisocial behaviour
(C) terrorism (D) mass hysteria
99. A faculty heuristic in which you fixate on a single aspect of a problem to find a solution :
- (A) negativism (B) hindsight
(C) anchoring bias (D) representative bias
100. Social readjustment rating scale is designed to :
- (A) measure stress (B) coping strategies
(C) self harming behaviours (D) depression

SPACE FOR ROUGH WORK

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