

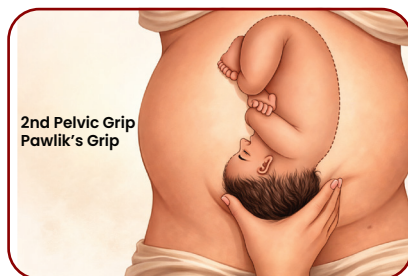


NORCET 8 Mains

1. Which of the following is a common anticholinergic side effect of Ipratropium Bromide, especially relevant in children?

- (a) Excessive salivation
- (b) Bradycardia
- (c) Dry mouth
- (d) Diarrhea

2. The obstetric grip being demonstrated in the provided image (Labeled 3rd Leopold's maneuver/Pawlik's Grip) is used primarily to assess what?



- (a) Lateral grip
- (b) Fundal grip
- (c) Pelvic 1
- (d) Pelvic 2nd

3. Which patient category was recently removed from the diagnostic algorithm under India's National Tuberculosis Elimination Program (NTEP)?

- (a) Presumptive Pulmonary TB
- (b) Presumptive Extrapulmonary TB
- (c) Previously Treated TB cases
- (d) Category II (Retreatment after default/failure/relapse-specific definition removed/merged)

4. For how many months does a single injection of Depot Medroxyprogesterone Acetate (DMPA) typically provide contraceptive protection?

- (a) 1 month
- (b) 3 months
- (c) 4 months
- (d) 6 months

5. Which type of antibiotic prophylaxis is commonly recommended before elective colorectal surgery?

- (a) Oral aminoglycoside only
- (b) Intravenous penicillin only
- (c) Combination of oral mechanical bowel prep and IV antibiotics covering aerobic and anaerobic bacteria (e.g., Metronidazole + Cephalosporin/Aminoglycoside)
- (d) Topical antiseptic application only

6. Which of the following is a Long-Acting Reversible Contraceptive (LARC) method?

- (a) Combined Oral Contraceptive Pills
- (b) Contraceptive Implant (e.g., Nexplanon/Implanon)
- (c) Emergency Contraceptive Pill
- (d) Male Condom

7. What type of respiratory support system is Bubble CPAP?

- (a) Invasive mechanical ventilation
- (b) High-flow nasal cannula oxygen therapy
- (c) Non-invasive ventilation providing continuous positive airway pressure
- (d) Extracorporeal membrane oxygenation (ECMO)

8. India observes National Deworming Day primarily to administer Albendazole to children, typically on which date?

- (a) January 26th
- (b) February 10th
- (c) August 15th
- (d) October 2nd

9. Which type of play is most characteristic of a 3-year-old child? [Topic based on source 4]

- (a) Solitary play
- (b) Parallel play
- (c) Associative play
- (d) Cooperative play

10. A toddler consistently refuses when asked by their mother to put toys away after playing, often saying "No!". This behavior primarily exemplifies:
 - (a) Temper tantrum
 - (b) Negativism
 - (c) Separation anxiety
 - (d) Ritualism
11. Which nursing intervention is contraindicated in a child diagnosed with Wilms' tumor (Nephroblastoma)?
 - (a) Monitoring blood pressure
 - (b) Administering chemotherapy
 - (c) Palpating the abdomen
 - (d) Measuring abdominal girth
12. ?
 - (a) *
 - (b) *
 - (c) Wrap the baby in warm blankets and reassess in 10 minutes.
 - (d) Apply erythromycin eye ointment.
13. A patient has a Glasgow Coma Scale (GCS) score of 4. What intervention is most critical for airway management?
 - (a) Placing the patient in a high Fowler's position
 - (b) Administering oxygen via nasal cannula
 - (c) Preparing for and likely performing endotracheal intubation
 - (d) Encouraging deep breathing and coughing exercises
14. Following endotracheal intubation in an adult, where should the tip of the Endotracheal Tube (ETT) ideally be positioned on a chest X-ray?
 - (a) At the level of the carina
 - (b) 2-5 cm above the carina
 - (c) In the right mainstem bronchus
15. The DPT (Diphtheria, Pertussis, Tetanus) vaccine is generally contraindicated in which situation?
 - (a) Mild local reaction to a previous dose
 - (b) Family history of seizures
 - (c) Current moderate or severe febrile illness
 - (d) History of an immediate anaphylactic reaction to a previous dose or vaccine component/progressive neurological disorder
16. In which clinical scenario should bag-and-mask ventilation be avoided or used with extreme caution in a neonate?
 - (a) Meconium aspiration syndrome
 - (b) Congenital Diaphragmatic Hernia
 - (c) Respiratory Distress Syndrome
 - (d) Transient Tachypnea of the Newborn
17. What is the generally recommended maximum suction pressure when performing endotracheal suctioning on an adult patient?
 - (a) 60-80 mmHg
 - (b) 80-120 mmHg
 - (c) 120-150 mmHg
 - (d) 150-200 mmHg
18. Which cardiac arrhythmia is characterized on an ECG by irregularly irregular rhythm, absence of distinct P waves, and fibrillatory waves?
 - (a) Atrial Flutter
 - (b) Atrial Fibrillation
 - (c) Supraventricular Tachycardia
 - (d) Ventricular Tachycardia
19. What is the recommended method for high-level disinfection or sterilization of flexible endoscopes after use?
 - (a) Autoclaving
 - (b) Wiping with alcohol
 - (c) High-level disinfection using chemical agents (e.g., Glutaraldehyde, Peracetic acid) after thorough manual cleaning
 - (d) Boiling water
20. Which clinical signs are classic indicators of Tracheoesophageal Fistula (TEF) in a newborn?
 - (a) Scaphoid abdomen and projectile vomiting
 - (b) Jaundice and clay-colored stools
 - (c) Coughing, choking, and cyanosis during feeding
 - (d) Sausage-shaped mass in the abdomen and currant jelly stools

- 21.** What dietary modification is often recommended for infants diagnosed with Gastroesophageal Reflux (GER) or GERD?
- Diluting the formula with extra water
 - Providing smaller, more frequent feedings, possibly thickened
 - Positioning the infant flat after feeding
 - Using a nipple with a faster flow rate
- 24.** Before initiating lithium therapy, assessment of which organ system's function is most critical?
- Hepatic (Liver) function
 - Renal (Kidney) function
 - Cardiac function
 - Pulmonary function
- 25.** Which medication listed below is NOT primarily indicated for its anti-suicidal properties, although it might be used in mood disorders?
- Ketamine
 - Lamotrigine
 - Lithium
 - Clozapine
- 26.** A lumbar puncture is planned for a patient. The presence of which condition, assessable via fundoscopy, would be a major contraindication due to the risk of brain herniation?
- Cataracts
 - Glaucoma
 - Papilledema
 - Diabetic retinopathy
- 27.** What position is typically recommended for a patient immediately following a lumbar puncture to minimize the risk of Post-Lumbar Puncture Headache (PLPH)?
- High Fowler's position
 - Prone position
 - Supine (Flat) or flat with head slightly elevated, for several hours
 - Trendelenburg position
- 28.** What is the primary benefit provided under the Ayushman Bharat Pradhan Mantri Jan Arogya Yojana (AB-PMJAY)?
- Free primary health check-ups
 - Cash incentives for institutional delivery
 - Health insurance coverage (Up to ₹5 lakh per family per year) for secondary and tertiary care hospitalization
 - Free essential medicines at primary health centers
- 29.** Which of the following facilities is NOT typically provided under the Janani Suraksha Yojana (JSY)?
- Cash assistance to pregnant women for institutional delivery.
 - Post-natal care for the mother and newborn.
 - Free transportation to and from the health facility.
 - Comprehensive treatment for pre-existing medical conditions during pregnancy.
- 30.** A client begins clozapine therapy. The nurse instructs the client to return for weekly monitoring of which laboratory value due to a potentially life-threatening adverse reaction?
- Liver enzymes
 - Serum electrolytes
 - White Blood Cell (WBC) count
 - Blood glucose level
- 31.** If 110 ml needs to be infused over 2 hours using a micro drip set (60 gtt/ml), what is the drip rate in drops per minute?
- 30 gtt/min
 - 45 gtt/min
 - 55 gtt/min
 - 60 gtt/min
- 32.** Which electrolyte level needs careful monitoring in patients receiving potassium supplements, especially intravenously, and what clinical parameter is crucial to assess before administration?
- Sodium; Respiratory rate
 - Calcium; Blood pressure
 - Potassium; Urine output
 - Magnesium; Temperature
- 33.** What is the correct hand position when initiating the Allen test to assess collateral circulation before radial artery cannulation or puncture?
- Hand clenched into a fist while both radial and ulnar arteries are occluded.
 - Hand held open and relaxed while applying pressure to the brachial artery.
 - Wrist hyperextended while occluding the ulnar artery only.
 - Fingers passively flexed while applying pressure to the radial artery only.

34. "6 × 6 × 6 Strategy" includes which components?
- The Anemia Mukht Bharat (AMB)
 - T.B. Mukht Bharat
 - National Leprosy Control Programme
 - Polio Abhiyaan
35. When performing oropharyngeal or nasopharyngeal suctioning in an infant or child, what is the correct sequence?
- Nose first, then mouth
 - Mouth first, then nose
 - Alternate between mouth and nose
 - Suction nose only
36. Which form of psychotherapy is considered the most evidence-based and effective treatment for Borderline Personality Disorder (BPD)?
- Psychoanalysis
 - Cognitive Behavioral Therapy (CBT)
 - Dialectical Behavior Therapy (DBT)
 - Interpersonal Therapy (IPT)
37. Rickets, characterized by defective bone mineralization in children, is primarily caused by a deficiency of which vitamin?
- Vitamin A
 - Vitamin C
 - Vitamin D
 - Vitamin K
38. The use of Thiopentone sodium (A barbiturate anesthetic) is relatively contraindicated or requires extreme caution in patients with which respiratory condition?
- Pulmonary embolism
 - Pneumonia
 - Severe Bronchial Asthma or status asthmaticus
 - Chronic Bronchitis
39. Which therapeutic approach is considered a first-line treatment for Obsessive-Compulsive Disorder (OCD), often involving gradual exposure to feared stimuli?
- Psychoanalysis
 - Exposure and Response Prevention (ERP) therapy
 - Aversion therapy
 - Supportive psychotherapy
40. National Deworming Day in India is typically observed on:
- 15th January
 - 10th February
 - 8th March
 - 7th April
41. Painless vaginal bleeding in the third trimester of pregnancy is the hallmark sign of which condition?
- Abruptio placentae
 - Placenta previa
 - Uterine rupture
 - Vasa previa
42. The "6 × 6 × 6 strategy" is associated with which national health program in India?
- National Tuberculosis Elimination Program (NTEP)
 - National Vector Borne Disease Control Programme (NVBDCP)
 - Anemia Mukht Bharat (AMB)
 - Universal Immunization Programme (UIP)
43. Besides renal function, which electrolyte level should be evaluated before initiating lithium therapy and monitored during treatment?
- Potassium (K⁺)
 - Magnesium (Mg⁺⁺)
 - Calcium (Ca⁺⁺)
 - Sodium (Na⁺)
44. A child with thalassemia receiving deferoxamine (An iron chelator) therapy should be monitored for which potential sensory side effect?
- Visual disturbances
 - Hearing loss (Auditory toxicity)
 - Loss of taste
 - Peripheral neuropathy
45. During the Allen test, after occluding both arteries and having the patient open their hand, which artery's pressure is released first to check for palmar arch patency?
- Radial artery
 - Ulnar artery
 - Brachial artery
 - Both simultaneously
46. ?
- *
 - *
 - Encouraging parents to leave the infant alone to "cry it out"
 - Restricting parental visits to minimize stimulation

- 47.** What is a key consideration for feeding a baby with an unrepaired cleft lip (And possibly palate)?
- Feeding in a completely flat supine position
 - Using specialized bottles/nipples and feeding in an upright position
 - Delaying oral feeding until surgical repair
 - Using a standard, fast-flow nipple
- 48.** Which commonly used intravenous medication should generally NOT be diluted with Dextrose solutions due to potential incompatibility or degradation?
- Potassium Chloride
 - Phenytoin (Dilantin)
 - Regular Insulin
 - Heparin
- 49.** Which type of depression is often characterized by severe anhedonia (Loss of pleasure), early morning awakening, psychomotor retardation or agitation, significant weight loss, and excessive guilt, often with a distinct quality different from normal sadness?
- Atypical Depression
 - Melancholic Depression
 - Dysthymia (Persistent Depressive Disorder)
 - Seasonal Affective Disorder
- 50.** Identify the oxygen delivery system shown in the image.
- Extracorporeal Membrane Oxygenation (ECMO)
 - Bubble CPAP system
 - High-Flow Nasal Cannula (HFNC) system
 - T-piece resuscitator
- 51.** Coronary artery aneurysms are a serious potential complication primarily associated with which pediatric vasculitis syndrome?
- Henoch-Schönlein Purpura (HSP)
 - Kawasaki Disease
 - Polyarteritis Nodosa (PAN)
 - Juvenile Idiopathic Arthritis (JIA)
- 52.** Which category of side effects is most commonly associated with first-generation (Typical) antipsychotic medications?
- Metabolic side effects (Weight gain, hyperglycemia)
 - Extrapyramidal Symptoms (EPS) (e.g., dystonia, parkinsonism, akathisia, tardive dyskinesia)
 - Anticholinergic side effects (Dry mouth, constipation)
 - Cardiovascular side effects (Orthostatic hypotension)
- 53.** In the context of Intrauterine Growth Restriction (IUGR) and fetal demise, Spalding's sign refers to what finding on ultrasound or X-ray?
- Absence of fetal heart tones
 - Gross edema of the fetal scalp
 - Overlapping of fetal skull bones
 - Gas within the fetal circulatory system (Robert's sign)
- 54.** Stallworthy's sign, characterized by slowing of the fetal heart rate upon pressing the head down into the pelvis followed by recovery when pressure is released, may be indicative of which condition?
- Cephalopelvic disproportion
 - Cord prolapse
 - Posteriorly situated placenta previa
 - Fetal distress due to maternal hypotension
- 55.** A child with heart failure has a prescription for oxygen "As per requirements." During which activity is the child most likely to require supplemental oxygen due to increased metabolic demand?
- While sleeping peacefully
 - During feeding or activities like diaper change
 - While resting quietly with their mother
 - Supplemental oxygen is rarely needed in pediatric heart failure
- 56.** During labor, the fetal head enters the pelvis in a Right Occiput Posterior (ROP) position and subsequently rotates internally to a Left Occiput Posterior (LOP) position. What is this specific rotation called?

- (a) Restitution
 - (b) Internal Rotation
 - (c) External Rotation
 - (d) This described rotation (ROP to LOP) is abnormal/malrotation (Or implies transverse arrest/deep transverse arrest if descent stops)
- 57.** Following an amniotomy (Artificial rupture of membranes), what is the nurse's priority assessment?
- (a) Maternal blood pressure
 - (b) Fetal Heart Rate (FHR) pattern
 - (c) Cervical dilation and effacement
 - (d) Amniotic fluid volume
- 58.** Which condition is strongly associated with Kawasaki disease as a potential serious complication?
- (a) Hemolytic anemia
 - (b) Coronary artery aneurysms
 - (c) Severe dehydration
 - (d) Osteoarthritis
- 59.** Following cleft lip repair surgery, which type of restraint is commonly used to prevent the infant from touching the suture line?
- (a) Jacket restraint (b) Elbow restraint
 - (c) Mitten restraint (d) Mummy restraint
- 60.** A woman in labor is 4 cm dilated, -2 station. Three hours later, assessment shows no change in dilation or station. This situation is best described as:
- (a) Normal latent phase labor
 - (b) Arrest of dilation in the active phase
 - (c) Precipitous labor
 - (d) False labor
- 61.** A newborn presents with choking and coughing during feeding attempts, accompanied by cyanosis. Which condition is most likely?
- (a) Pyloric stenosis
 - (b) Intussusception
 - (c) Tracheoesophageal Fistula (TEF)
 - (d) Gastroesophageal Reflux Disease (GERD)
- 62.** Which public health event related to child health is observed on February 10th in India?
- (a) World Health Day
 - (b) National Deworming Day
 - (c) International Children's Day
 - (d) World Literacy Day
- 63.** A baby with postoperative care in cleft lip. Which restraint is used to prevent injury to the suture site?
- (a) Jacket restraint (b) Elbow restraint
 - (c) Mitten restraint (d) Logan Bow
- 64.** A child's weight-for-height Z-score is -2.9. According to WHO growth standards, this indicates:
- (a) Normal nutritional status
 - (b) Mild wasting
 - (c) Moderate wasting
 - (d) Severe wasting
- 65.** What is a key difference between combined Oral Contraceptive Pills (OCP) and Progestin-Only Pills (POP)?
- (a) OCP contains only progestin; POP contains estrogen and progestin
 - (b) OCP is used for emergency; POP is for regular use
 - (c) OCP contains estrogen and progestin; POP contains only progestin
 - (d) POP is only for breastfeeding women; OCP is not
- 66.** The DPT (Diphtheria, Pertussis, Tetanus) vaccine is generally contraindicated if a child has which condition?
- (a) Moderate fever
 - (b) A progressive or unstable neurological disorder
 - (c) Mild cold or cough
 - (d) Mild gastrointestinal disturbance
- 67.** Which of the following parameters is NOT typically included in the Fischer score or a modified biophysical profile used for antepartum fetal assessment?
- (a) Baseline fetal heart rate
 - (b) Fetal heart rate accelerations/decelerations
 - (c) Cervical dilation
 - (d) Fetal heart rate variability

68. What is the primary function of the respiratory device shown in the image?



- (a) To administer oxygen through a simple face mask
 - (b) To provide Continuous Positive Airway Pressure (CPAP) non-invasively
 - (c) To deliver aerosolized medications via nebulizer
 - (d) To assist in invasive mechanical ventilation
69. The obstetric maneuver shown in the image (Mauriceau-Smellie-Veit maneuver) is used during which type of delivery?
- (a) Normal vertex delivery
 - (b) Cesarean section
 - (c) Assisted vaginal breech delivery (Delivery of the aftercoming head)
 - (d) Shoulder dystocia
70. According to WHO guidelines for managing dehydration, what is the recommended fluid administration plan (Plan B) for a 10-month-old infant (~8-10 kg) with moderate dehydration (some dehydration)?
- (a) 75 ml/kg of ORS over 4 hours [Based on standard WHO guidelines]
 - (b) 30 ml/kg in the first hour, then 70 ml/kg over the next 5 hours (Plan C - IV fluids for severe dehydration) [Likely based on Q76a text]
 - (c) 75 ml/kg over 24 hours (Maintenance fluids)
 - (d) 50 ml/kg over 24 hours (Maintenance fluids)
71. According to the revised Jones criteria for diagnosing Rheumatic Fever, which of the following is considered a MINOR criterion?
- (a) Carditis
 - (b) Chorea (Sydenham's chorea)
 - (c) Arthralgia (joint pain without swelling)
 - (d) Polyarthritism (migratory joint inflammation)
72. Failure of a newborn to pass meconium within the first 24-48 hours after birth should raise suspicion for which congenital condition?
- (a) Intussusception
 - (b) Hirschsprung's disease (Congenital Aganglionic Megacolon)
 - (c) Duodenal atresia
 - (d) Pyloric stenosis
73. Which antibiotic(s) are commonly used for surgical prophylaxis in anorectal surgery to cover relevant pathogens?
- (a) Amoxicillin with clavulanic acid
 - (b) Cefazolin
 - (c) Metronidazole (Often in combination)
 - (d) All of the above (Depending on specific procedure and flora)
74. What is the primary role of introducing Gambusia (Mosquito fish) into water bodies as an anti-larval measure?
- (a) To reduce bacterial contamination
 - (b) To consume mosquito larvae, thus controlling the mosquito population biologically
 - (c) To promote the growth of aquatic plants
 - (d) To increase the oxygen levels in the water
75. When a patient is taking Digoxin, which parameters should the nurse monitor closely before and after administration?
- (a) Blood sugar levels
 - (b) Potassium levels and apical pulse rate
 - (c) Liver function tests
 - (d) Hemoglobin levels
76. During labor, if a fetus rotates from a Right Occiput Posterior (ROP) position to a Left Occiput Posterior (LOP) position, this movement is termed:
- (a) Occipital rotation
 - (b) Internal rotation
 - (c) External rotation
 - (d) Malrotation/Arrest of Rotation

77. During the "sign out" phase of the WHO Surgical Safety Checklist, which action is a key responsibility of the nursing team?

- (a) Ensuring the patient is transferred safely to the recovery room
- (b) Verbally confirming the name of the procedure, completion of instrument/sponge/needle counts, specimen labeling, and any equipment problems
- (c) Preparing the patient's discharge medications
- (d) Administering the first dose of postoperative pain medication

78. Which psychotherapy modality is most commonly recognized as the treatment of choice for Borderline Personality Disorder (BPD)?

- (a) Cognitive Behavioral Therapy (CBT)
- (b) Dialectical Behavior Therapy (DBT)
- (c) Psychoanalysis
- (d) Medication therapy alone

79. ?

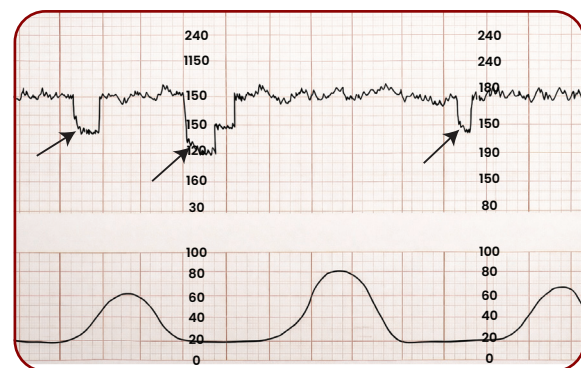
- (a) Psoriasis
- (b) Eczema (Atopic Dermatitis)
- (c) Stevens-Johnson Syndrome
- (d) Chickenpox

81. The ECG strip shown in the image displays a rapid, regular rhythm with narrow QRS complexes and often indiscernible P waves. Which arrhythmia is most consistent with this finding?



- (a) Atrial Fibrillation
- (b) Ventricular Fibrillation
- (c) Sinus Tachycardia
- (d) Supraventricular Tachycardia (SVT)

82. The fetal heart rate pattern shown in the image (Q91), characterized by an abrupt decrease in FHR below baseline (Onset to nadir <30 sec), with variable shape and timing relative to contractions, represents:



- (a) Early Deceleration
- (b) Late Deceleration
- (c) Variable Deceleration
- (d) Accelerations

Answer Key

1. (c)	2. (d)	3. (d)	4. (b)	5. (c)	6. (b)	7. (c)	8. (b)	9. (c)	10. (b)
11. (c)	12. (b)	13. (c)	14. (d)	15. (d)	16. (b)	17. (c)	18. (b)	19. (c)	20. (c)
21. (b)	24. (b)	25. (b)	26. (c)	27. (c)	28. (c)	29. (D)	30. (c)		
31. (c)	32. (c)	33. (a)	34. (a)	35. (b)	36. (c)	37. (c)	38. (c)	39. (b)	40. (b)
41. (b)	42. (c)	43. (d)	44. (b)	45. (b)	46. (b)	47. (b)	48. (b)	49. (b)	50. (b)
51. (b)	52. (b)	53. (c)	54. (c)	55. (b)	56. (d)	57. (b)	58. (b)	59. (b)	60. (b)
61. (c)	62. (b)	63. (d)	64. (c)	65. (c)	66. (b)	67. (c)	68. (b)	69. (c)	70. (a)
71. (c)	72. (b)	73. (d)	74. (b)	75. (b)	76. (d)	77. (b)	78. (b)	79. (a)	
81. (d)	82. (c)								