

Aiims NORCET 11 MAINS Memory Based Paper 30 Sept. 2026

Q. How frequently should screening mammography be performed in women aged 40 years and above who are at average risk for breast cancer?

- A. Every 6 months
- B. Every 1–2 years
- C. Every 5 years
- D. Only when symptoms develop

Answer: B. Every 1–2 years

Q. According to the 2025 WHO recommendations, which finding should prompt early action for postpartum hemorrhage (PPH)?

- A. Blood loss ≥ 100 mL with normal vital signs
- B. Blood loss ≥ 300 mL with abnormal vital signs
- C. Blood loss ≥ 500 mL with normal vital signs only
- D. Blood loss ≥ 1000 mL before treatment is initiated

Answer: B. Blood loss ≥ 300 mL with abnormal vital signs

Q. In a preterm neonate with Respiratory Distress Syndrome (RDS), what is the appropriate next step when respiratory distress persists despite increasing CPAP support?

- A. Continue CPAP indefinitely
- B. Decrease CPAP pressure immediately
- C. Endotracheal intubation and mechanical ventilation
- D. Stop oxygen therapy

Answer: C. Endotracheal intubation and mechanical ventilation

Q. A patient experiences periods of unusually elevated mood and happiness followed by episodes of suicidal thoughts. Which psychiatric disorder is most suggestive of this pattern?

- A. Generalized Anxiety Disorder
- B. Bipolar Disorder
- C. Obsessive-Compulsive Disorder
- D. Specific Phobia

Answer: B. Bipolar Disorder

Q. A low-volume alarm is sounding on a mechanical ventilator. What should the nurse check first?

- A. Patient–ventilator disconnection or circuit leak
- B. Excessive airway secretions
- C. High airway resistance
- D. Bronchospasm

Answer: A. Patient–ventilator disconnection or circuit leak



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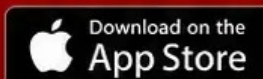


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Q. A high-pressure alarm is sounding on a mechanical ventilator. What should the nurse check first?

- A. Disconnection in the ventilator circuit
- B. Airway obstruction, such as secretions or a kinked tube
- C. Low tidal volume setting
- D. Cuff leak

Answer: B. Airway obstruction, such as secretions or a kinked tube

Q. In which condition is a digital vaginal examination contraindicated in a woman with antepartum hemorrhage?

- A. Placental abruption
- B. Placenta previa
- C. Normal pregnancy
- D. False labor

Answer: B. Placenta previa

Q. Which type of psychological disorder is characterized by neurological symptoms such as paralysis, blindness, or loss of sensation without an identifiable organic cause?

- A. Conversion Disorder
- B. Panic Disorder
- C. Obsessive-Compulsive Disorder
- D. Generalized Anxiety Disorder

Answer: A. Conversion Disorder

Q. The Jolly's retractor is primarily used for which purpose?



- A. Retraction of the abdominal wall during surgery
- B. Retraction of the tongue during oral surgery
- C. Retraction of the eyelids during eye surgery
- D. Retraction of the uterus during obstetric procedures

Answer: A. Retraction of the abdominal wall during surgery

Q. Dopamine is prescribed at 5 mcg/kg/min for a patient weighing 60 kg. The available solution contains 200 mg of dopamine in 50 mL of normal saline. At what rate should the infusion pump be set?

- A. 3.75 mL/hr
- B. 4.5 mL/hr
- C. 6 mL/hr
- D. 9 mL/hr

Answer: B. 4.5 mL/hr

Q. What is the expected effect of increased ADH secretion during hypovolemia or hypovolemic shock?

- A. Increased urine output and decreased blood pressure
- B. Increased water reabsorption and maintenance of blood volume
- C. Increased sodium excretion and dehydration
- D. Decreased water reabsorption and increased urine output

Answer: B. Increased water reabsorption and maintenance of blood volume

Q. What does the UNAIDS 95-95-95 target for HIV/AIDS represent?

- A. 95% diagnosed, 95% on ART, and 95% virally suppressed
- B. 95% vaccinated, 95% diagnosed, and 95% cured
- C. 95% screened, 95% vaccinated, and 95% cured
- D. 95% treated, 95% vaccinated, and 95% disease-free

Answer: A. 95% diagnosed, 95% on ART, and 95% virally suppressed

Q. “Sapna” is associated with which health-related programme as its mascot?

- A. National AIDS Control Programme
- B. National Tuberculosis Elimination Programme
- C. Universal Immunization Programme
- D. National Mental Health Programme

Answer: A. National AIDS Control Programme

Q. Which of the following is an extrapyramidal symptom (EPS) commonly associated with antipsychotic medications?

- A. Acute dystonia
- B. Diarrhea
- C. Hyperglycemia
- D. Peptic ulcer

Answer: A. Acute dystonia

Q. Which vaccine is specifically available for the prevention of chikungunya infection?

- A. Vaxchora
- B. Ixchiq
- C. Dengvaxia
- D. MMR

Answer: B. Ixchiq

Q. Which fertility rate measures the number of live births per 1,000 women in the reproductive age group (15–49 years) during a given year?

- A. Crude Birth Rate (CBR)
- B. General Fertility Rate (GFR)
- C. Total Fertility Rate (TFR)
- D. Net Reproduction Rate (NRR)

Answer: B. General Fertility Rate (GFR)

Q. Which ECG finding is most characteristic of an acute ST-elevation myocardial infarction (STEMI)?

- A. ST-segment elevation in the leads corresponding to the affected area
- B. Shortened PR interval
- C. Widespread QT shortening
- D. Complete disappearance of P waves

Answer: A. ST-segment elevation in the leads corresponding to the affected area

Q. The New Ballard Score is primarily used to assess which parameter in a newborn?

- A. Apgar score
- B. Gestational age
- C. Birth weight
- D. Neonatal reflexes

Answer: B. Gestational age

Q. Which measure of association is most commonly used in a case-control study?

- A. Relative Risk
- B. Odds Ratio
- C. Attributable Risk
- D. Incidence Rate

Answer: B. Odds Ratio

Q. A patient develops dyspnea, hypertension, and pulmonary edema shortly after receiving a blood transfusion. Which transfusion reaction is most likely?

- A. TRALI
- B. TACO
- C. Acute hemolytic transfusion reaction
- D. Anaphylactic reaction

Answer: B. TACO

Q. Which acid-base abnormality is typically seen in a patient with Diabetic Ketoacidosis (DKA)?

- A. Metabolic alkalosis
- B. Respiratory alkalosis
- C. High-anion-gap metabolic acidosis
- D. Respiratory acidosis

Answer: C. High-anion-gap metabolic acidosis

Q. The heel-to-knee (heel-to-shin) test is primarily used to assess which part of the nervous system?

- A. Cerebellar coordination
- B. Vestibular function
- C. Spinal cord sensory pathways
- D. Peripheral nerve conduction

Answer: A. Cerebellar coordination

Q. Which statement best describes a circumvallate placenta?

- A. Placenta completely covers the internal cervical os
- B. Fetal membranes insert at the edge of the placenta
- C. **Chorionic plate is smaller than the basal plate, causing the placental edge to fold back**
- D. Placenta is abnormally attached to the uterine muscle

Answer: C. Chorionic plate is smaller than the basal plate, causing the placental edge to fold back

Q. Which electrolyte is most important for maintaining the resting membrane potential and normal nerve impulse transmission?

- A. Calcium
- B. **Potassium**
- C. Magnesium
- D. Phosphate

Answer: B. Potassium

Q. Which type of spina bifida is characterized by protrusion of both the meninges and spinal cord/nerve tissue through a vertebral defect?

- A. Spina bifida occulta
- B. Meningocele
- C. **Myelomeningocele**
- D. Encephalocele

Answer: C. Myelomeningocele

Q. A patient receiving suction develops an air leak in the suction system. What should the nurse check first?

- A. Increase the suction pressure
- B. **Check the suction tubing and connections for leakage or disconnection**
- C. Increase the patient's oxygen flow
- D. Stop suction permanently

Answer: B. Check the suction tubing and connections for leakage or disconnection

Q. Which finding is characteristic of a Mongolian spot in a newborn?

- A. Raised, bright-red lesion on the face
- B. **Flat, bluish-gray pigmentation, usually over the sacral area**
- C. Multiple small, white papules on the nose
- D. Yellowish plaques over the scalp

Answer: B. Flat, bluish-gray pigmentation, usually over the sacral area

Q. Bryant's traction is primarily used for the treatment of which condition in children?

- A. Fracture of the humerus
- B. **Fracture of the femur in young children**
- C. Dislocation of the shoulder
- D. Fracture of the radius

Answer: B. Fracture of the femur in young children

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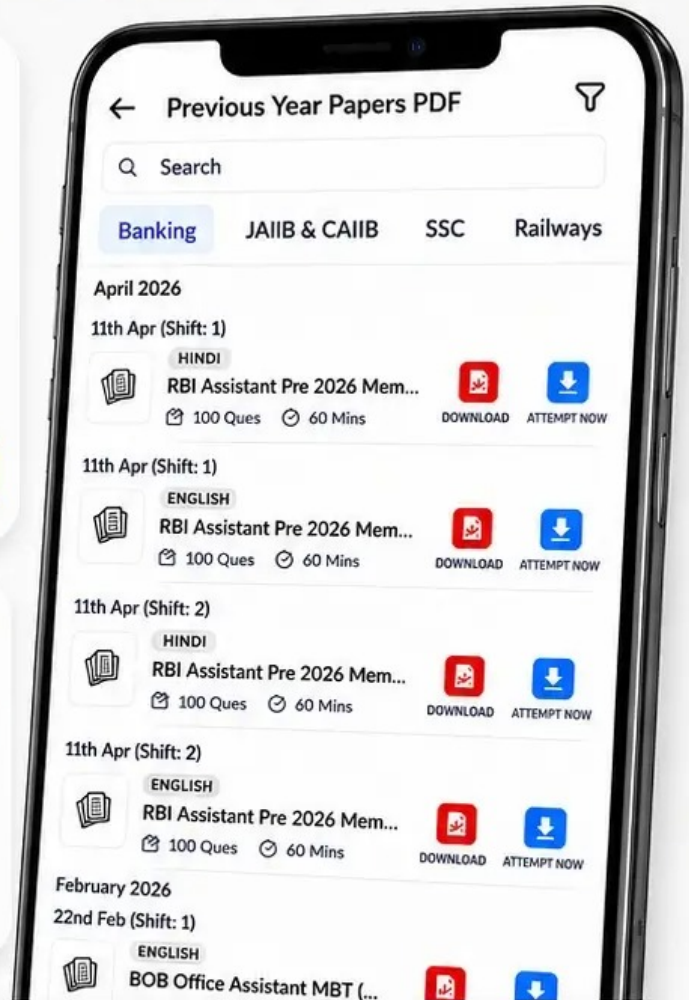
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Q. Which age range is generally considered late adolescence?

- A. 10–12 years
- B. 13–15 years
- C. **16–19 years**
- D. 20–24 years

Answer: C. 16–19 years

Q. Which combination of clinical features is classically associated with Alport syndrome?

- A. Hematuria, sensorineural hearing loss, and ocular abnormalities
- B. Proteinuria, cataract, and deafness only
- C. Hypertension, seizures, and retinal detachment
- D. Hematuria, diabetes mellitus, and peripheral neuropathy

Answer: A. Hematuria, sensorineural hearing loss, and ocular abnormalities

Q. Which drug is commonly used in severe hypoglycemia when the patient is unconscious and IV access is not readily available, and how does it work?

- A. Insulin — increases cellular glucose uptake
- B. **Glucagon — stimulates hepatic glycogenolysis and gluconeogenesis**
- C. Metformin — decreases hepatic glucose production
- D. Acarbose — delays intestinal glucose absorption

Answer: B. Glucagon — stimulates hepatic glycogenolysis and gluconeogenesis

Q. Which test is used to detect freezing damage in freeze-sensitive vaccines?

- A. VVM test
- B. **Shake test**
- C. Sterility test
- D. Potency test

Answer: B. Shake test

Q. What are the official mascots of Census 2027 in India?

- A. Asha and Vikas
- B. Pragati and Asha
- C. **Pragati and Vikas**
- D. Shakti and Pragati

Answer: C. Pragati and Vikas

Q. During female urethral catheterization, how far should the catheter usually be inserted before urine begins to flow?

- A. 1–2 cm
- B. **5–7.5 cm (approximately 2–3 inches)**
- C. 10–12 cm
- D. 15–20 cm

Answer: B. 5–7.5 cm