



**AMREF INTERNATIONAL UNIVERSITY
SCHOOL OF MEDICAL SCIENCES
DEPARTMENT OF NURSING AND MIDWIFERY SCIENCES
KENYA REGISTERED COMMUNITY HEALTH NURSING
SUPPLEMENTARY/ SPECIAL EXAMINATIONS**

DNS 221: PEDIATRIC NURSING AND IMCI

DATE : MONDAY 28TH NOVEMBER 2022

TIME: 2 Hours Start: 1100 HOURS Finish: 1300 HOURS

INSTRUCTIONS

- 1. This examination will be marked out of 70 marks**
- 2. The Examination has ONE Section: Section A- Comprising Multiple Choice Questions.**
- 3. Answer all Questions in the ANSWER BOOKLET provided. Do Not write anything on the question paper -use the back of your booklet for rough work if need be**

SECTION I : MULTIPLE CHOICE QUESTIONS (20 MARKS)

1. The emergency structured approach for triaging based on ETAT+ protocols is;
 - a. Airway, Breathing and Circulation
 - b. Airway, Breathing, Circulation and Disability
 - c. Airway, Breathing, Circulation and Diarrhea
 - d. Airway & Breathing, Circulation, convulsions & coma; and diarrhea

2. As the triaging nurse, the baby to be moved to the front of the line for review as soon as possible is;
 - a. A 4 month old baby with an extra digit on their left hand
 - b. A 2 year old girl with a capillary refill of 5 seconds
 - c. A 6 months old baby with central cyanosis
 - d. A 6 weeks old baby with a referral note

3. The capillary refill of a 21 days old baby is;
 - a. Normal at 5 seconds
 - b. Abnormal at 1 second
 - c. Assessed between the baby's scapula
 - d. Associated with the volume of body fluids

4. The mask on the bag valve mask (BVM) device for a 2 year old child should cover;
 - a. The whole face
 - b. The nose only
 - c. The nose and mouth
 - d. The nose, mouth and eyes

5. In a single rescuer life support, the technique recommended to give chest compressions for a 2 month old baby is;
 - a. 1 hand
 - b. 2 hands
 - c. 2 finger
 - d. 2 thumb

6. Effective chest compressions for a 6 year old boy should;
 - a. Be done 1 finger breath below the nipple line
 - b. Compress at least 2/3rd of the chest
 - c. Range from 100-120 beats per minute
 - d. Prevent chest recoil

7. A pediatric nurse should administer oxygen when a pulse oximeter reading is;
 - a. Below 90%
 - b. Above 90%
 - c. Above 95%
 - d. At 100%

8. An absolute indication for administering oxygen for a 4 year old girl is;
 - a. Wheezing
 - b. Central cyanosis
 - c. Deep acidotic breathing
 - d. Respiratory rate of 30 breaths per minute

9. An oropharyngeal airway is used;
 - a. In a child with a gag reflex
 - b. When a baby is crying vigorously
 - c. To prevent the tongue from blocking the airway
 - d. If it fits the distance from the tip of the nose to the earlobe

10. The AVPU score for a 5 year old baby who only opens his eyes after clapping is;
 - a. A
 - b. V
 - c. P
 - d. U

11. Master P weighing 10kgs has had 2 convulsions lasting 2 minutes each. He;
 - a. Requires 50mls of 10% dextrose
 - b. Needs 3mg of Diazepam IV slowly
 - c. Must get 5mg of Diazepam per rectal
 - d. Does not require any emergency drug treatment

12. You observe Master Q weighing 10kgs convulsing. Your immediate action is ensure safety, check airway breathing & circulation and give;
 - a. 10L/min of oxygen via non rebreather mask
 - b. 3mg Diazepam IV slowly
 - c. 5mg Diazepam per rectal
 - d. 150mg Phenobarbitone IV

13. Baby B ,7 months old has diarrhea. She has no sunken eyes and her skin pinch is instant. You advice the mother to;
- Stop breast feeding
 - Bring the baby for review after 7 days
 - Give 120mls ORS with each loose stool
 - Wash her hands every time she changes the baby's diaper
14. A 7 year old boy weighing 22kgs has been diagnosed to have malaria. The correct dosage and frequency of artesunate to administer is;
- 52.8 mg on admission, at 12 hours then 24 hourly till they are able to drink
 - 66 mg on admission, at 12 hours then 24 hourly till they are able to drink
 - 52.8 mg on admission and 12 hourly till they are able to drink
 - 66 mg on admission and 12 hourly till they are able to drink
15. Artesunate;
- Is administered for a minimum of 12 hours
 - Is diluted using sterile water for injection
 - Cannot be used if it is cloudy on dilution
 - Should be used within 2 hours of diluting it
16. The maintenance fluid of choice for a 2 year old with malnutrition, diarrhea and some dehydration is;
- Resomal
 - 10% dextrose
 - Normal saline
 - Ringers lactate with 5% dextrose
17. A 5 year old girl weighing 12kgs with diarrhea is unable to drink, very drowsy, has sunken eyes and a skin pinch of 4 seconds. The correct fluid volume to administer is;
- 180mls over 30minutes then 420mls over 2.5 hours
 - 180mls over 60minutes then 420mls over 5 hours
 - 360mls over 30minutes then 840mls over 2.5 hours
 - 360mls over 60minutes then 840mls over 5 hours

18. The best method to determine and classify malnutrition in children below 6 months is;
- Weight-for-length/Height z-score (WHZ) scores
 - Mid upper arm circumference (MUAC)
 - Head circumference
 - Weight
19. Baby PQ has a wheeze, a cough, difficulty in breathing and an SPO₂ of 81%. The immediate action is;
- Nebulize with 2.5mg of salbutamol
 - Administer oxygen alone and monitor
 - Start oral antibiotics
 - Administer a cough syrup
20. In growth and development, personality development begins at;
- 1 month of age
 - 6 months of age
 - 12 months of age
 - 18 months of age

SECTION II: SHORT ANSWER QUESTIONS (30 MARKS)

1. Outline FIVE (5) major elements of FCC as used in pediatric nursing (5 MARKS)
2. Name FIVE (5) parameters that can be used to assess the circulatory status of a child (5 MARKS)
3. State the TEN (10) steps used in the management of a child with malnutrition (10 MARKS)
4. State TEN (10) priority signs that warrant a triage nurse moving a pediatric patient to the front of the line for clinical review as soon as possible (10 MARKS)

SECTION III: LONG ANSWER QUESTIONS (40 MARKS)

1. Using the ETAT+ guidelines, describe the initial rapid structured assessment of a pediatric patient with signs of life (without trauma). (20 MARKS)