

UNIVERSITY OF SWAZILAND
FACULTY OF HEALTH SCIENCES
MAIN EXAMINATION MAY 2012

COURSE CODE : NUR 317
COURSE TITLE : ASPECTS OF COMMUNITY HEALTH NURSING 11
TOTAL MARKS : SEVENTY-FIVE
DURATION : TWO (2) HOURS

INSTRUCTIONS:

- 1. THE PAPER HAS THREE QUESTIONS**
- 2. ANSWER ALL THREE QUESTIONS**
- 3. INSTRUCTIONS ARE GIVEN AS DIRECTED BY THE QUESTION.**
- 4. LEGIBLE HANDWRITING IS IMPERATIVE.**
- 5. FIGURES IN BRACKETS INDICATE MARKS ALLOCATED PER QUESTION OR A PART OF THE QUESTION.**

DO NOT OPEN THE EXAMINATION PAPER UNTIL PERMISSION IS GIVEN BY THE INVIGILATOR

QUESTION 1

MULTIPLE CHOICE QUESTIONS

INSTRUCTIONS:

1. Each multiple choice question carries one mark.
2. Answer the following forty multiple choice questions as documented in 3.
3. In your answer booklet, answer as per example below: *Example*
1.1 = a
1.2 = d.

THE QUESTIONS:

- 1.1 A three-day-old newborn is classified as a/an
 - a. neonate.
 - b. infant.
 - c. perinate.
 - d. toddler.
- 1.2 Which of the following reflexes should be exhibited by all newborns?
 - a. Breathing
 - b. Crying.
 - c. Suckling.
 - d. All the above.
- 1.3 According to the primary immunization schedule, soon after birth, all newborns are administered with
 - a. OPV.
 - b. OPV and BCG..
 - c. OPV, BCG and DPT/HepB/HiB.
 - d. OPV, BCG, DPT/HepB/HiB and measles.
- 1.4 The minimum age for administering the BCG vaccine is
 - a. 0 days.
 - b. 14 days.
 - c. 30 days.
 - d. 6 weeks.
- 1.5 The vaccine BCG, is administered using a/an
 - a. solo shot syringe.
 - b. insulin syringe.
 - c. tuberculin syringe.
 - d. regular 2 ml syringe.

1.6 The following adverse effects may be associated with the administration of the BCG vaccine, EXCEPT

- a. blister.
- b. ulcer.
- c. rash.
- d. small swelling.

1.7 A infant who is administered with the measles vaccine at the age of 6 months because of an outbreak of measles will

- a. be immunized again with the vaccine at the age of 9 months.
- b. not be immunized again with the vaccine at the age of 9 months.
- c. will only need the booster dose at the age of 18 months.
- d. will only need a booster dose at the age of 59 months.

1.8 How many preventable childhood killer diseases are targeted by the Swaziland expanded immunization programme (SEPI)?

- a. Five killer diseases.
- b. Six killer diseases.
- c. Seven killer diseases.
- d. Eight killer diseases.

1.9 The aims of child health promotion also take into account millennium developmental goal (MDG) number

- a. two.
- b. three.
- c. four.
- d. five.

1.10 The minimum age of administering albendazole is

- a. 6 months.
- b. 12 months.
- c. 18 months.
- d. 24 months

1.11 A 4-year-old child who missed the primary immunization schedule will have to follow the secondary regimen of

- a. BCG and OPV.
- b. OPV and measles.
- c. BCG, OPV, measles and HepB/Hib.
- d. BCG, OPV, measles and DT.

1.12 Celiwe who is 17 months old today, has been administered with the measles vaccine today. She will

- a. need a repeat dose at 18 months.
- b. not need a repeat at 18 months.
- c. needed a booster dose at 36 months.
- d. need a booster dose at 59 months.

1.13 Under normal circumstances, an infant is expected to be commence crawling at the age of

- a. 4 months
- b. 6 months.
- c. 8 months.
- d. 10 months.

1.14 The principle of 'cephalocaudal' is associated with human development from

- a. centre to the periphery.
- b. toes to the head.
- c. head to toes.
- d. periphery to the centre.

1.15 Jabulani is 2 years old. He communicates verbally through using

- a. single words.
- b. short phrases. .
- c. long sentences.
- d. short sentences.

1.16 Dentition and teething

- a. generally starts between the ages of 5 and 9 months.
- b. are not significant developmental milestone.
- c. are a good indicator of age.
- d. all the above.

1.17 The first teeth to appear in an infant are the

- a. molars.
- b. canines.
- c. pre molars.
- d. incisors.

1.18 The maintenance dose of vitamin A for infants aged 0 – 11 months is

- a. 10,000 international units.
- b. 50, 000 international units.
- c. 100,000 international units.
- d. 200,000 international units.

1.19 The maximum age for administering the BCG vaccine is

- a. 18 years.
- b. 15 years.
- c. 10 years.
- d. 5 years.

1.20 In order to improve on infant and childhood immunization coverage in Swaziland and other East and Southern African communities, the following components of the strategy known as RED (reach every district) are being implemented, EXCEPT

- a. planning and management of the health facility resources.
- b. linking health services with communities.
- c. supportive supervision.
- d. the top-bottom approach.

1.21 The coverage of DPT/HepB/HiB immunization at health facility level in Swaziland is

- a. 80%.
- b. above 80%
- c. below 80%
- d. 100%.

1.22 The expected head circumference measurement of a newborn is between

- a. 23 – 30 cm.
- b. 31 – 36 cm.
- c. 37 – 40 cm
- d. 41 – 50 cm.

1.23 Swaziland has no reported any measles outbreak within the past six months because

- a. most parents are motivated about childhood immunization.
- b. of implementing national immunization days for children.
- c. of a good immunization surveillance system that is in place.
- d. all the above.

1.24 Which of the following is/are a danger signal/signals in an infant with dehydration

- a. sunken eyes.
- b. unconsciousness.
- c. convulsions.
- d. all the above.

1.25 By the age of 12 months, the infant whose birth weight was 3,6 kg, must be between

- a. 3 - 5 kg
- b. 6 – 8 kg.
- c. 9 – 11 kg.
- d. 12 – 14 kg.

1.26 With regards to gross motor development, Theo who is 10 months old ought to be

- a. demonstrating the pincer grip.
- b. anxious when picked up by a non familiar person.
- c. pulling objects in trying to stand.
- d. saying *ba-ba-ba-ba* in trying to pronounce 'babe' (meaning father)

1.27 Which body system is adversely affected by cow's milk in an infant who is below the age of six months?

- a. cardio vascular system.
- b. renal system.
- c. gastro-intestinal tract.
- d. the respiratory system.

1.28 A newborn whose mother is HIV positive

- a. is also infected with HIV.
- b. is commenced on antiretroviral therapy (ART).
- c. is commenced on prophylactic treatment of cotrimoxazole.
- d. is commenced on both ART and a prophylactic drug.. .

1.29 Six days post administration of the measles vaccine, an infant is brought back to the clinic because of an unusual rash on her/his body. You explain to the primary caregiver of the infant that it was to be expected because the measles vaccine

- a. was very cold when the injection was administered.
- b. is naturally very strong and causes that rash.
- c. is attenuated.
- d. is an antitoxin.

1.30 The recommended dosage of albendazole for an infant aged six months is

- a. 50 mg orally.
- b. 100 mg orally.
- c. 200 mg orally.
- d. none of the above.

1.31 The newborn with no testicles in his scrotum has the condition known as

- a. descended testicles.
- b. suspended testicles.
- c. undescended testicles.
- d. unsuspending testicles.

1.32 If an infant's weight exceeds the expected weekly weight gain, the nurse would associate the excess gain with

- a. genetic inheritance.
- b. mother's family planning method.
- c. knowledge deficit about infant feeding.
- d. all the above.

1.33 Coverage of childhood immunization in Swaziland is affected by children who are

- a. hard to reach.
- b. un-immunized.
- c. under immunized.
- d. all the above.

- 1.34 The average length of a newborn at birth is generally between
- 28 – 38 cm.
 - 48 – 58 cm.
 - 58 - 68 cm.
 - 78– 88 cm.
- 1.35 Mxolisi was born 5 minutes ago. You expect him to weigh approximately
- 2.5 – 3 kg kg.
 - 3 kg – 3.5 kg kg
 - 3.5 kg – 5 kg
 - 5 kg – 6 kg.
- 1.36 Baby Nothando’s posterior fontanelle
- ought to closes before the anterior fontanelle.
 - ought to close between 6 – 8 weeks post delivery.
 - should be triangular in shape.
 - all the above are applicable. .
- 1.37 The newborn is expected to demonstrate slight head movements within
- 2 hours of birth.
 - 2 day of being born.
 - 2 weeks after birth.
 - 2 months after birth.
- 1.38 Human development is said to be
- directional.
 - proximo-distal.
 - from simple to complex.
 - all the above.
- 1.39. The anterior fontanelle is generally expected to close at the age of
- 4 - 6 months.
 - 6 – 8 months.
 - 18 – 24 months.
 - 24 – 36 months.
- 1.40 The three most commonly used anthropometric indices to measure the nutritional status of children are EXCEPT
- weight-for age.
 - height-for-age.
 - weight-for-height.
 - mid-upper arm circumference.

[40 points]

Question 2

Family violence is universal, a global endemic and indeed a great area of concern, especially to community health nurses. The Times of Swaziland, in the month of February 2012, carried a very sad and gruesome publication about a husband who had stabbed and killed his wife with a butcher's knife. The ordeal was done in broad day light and in full view of all their five children whose ages ranged from 21 months through 13 years.

- 2.1 Define the concept of 'health' according to the World Health Organization (WHO) (4)
- 2.2 Guided by the WHO definition you have written in answer 2.1, describe any four two immediate effects of such an act, especially on those children aged 0 - 5 years (2x2=4)
- 2.3 Describe any two ways the ordeal of the mother may impact on the children in the long run. (2x2=4)
- 2.4 Identify any three rights of children that were affected the father's act. (2x3=6)
- 2.5 Formulate one potential nursing diagnosis of the 21 month old child. (2)

[20 points]

Question 3

Physical growth and milestone development of infants and children are very important components of the child welfare programme in Swaziland. The tool that is mostly used to guide growth monitoring is the child health card.

- 1.1 Describe any five points the community health nurse ought to emphasize with regards to the concept of "The Road to Health" when engaging in supportive-education with a dependent care agent about growth monitoring especially during the first eleven months of life. (2x5=10)
- 1.2 Write down any five guidelines for successful weaning of an infant. (1x5=5)

[15 points]