

**KRCHN (BASIC) EXAMINATION: PAPER THREE: SEPTEMBER 2017**  
**PART I: MULTIPLE CHOICE QUESTIONS:**

- Q:1: Community development can be evaluated by:-
- a) Number of households in each locality, health status of the community members.
  - b) Rural urban migration, community response to their health needs.
  - c) Availability of cash crops, diversity of health seeking behaviours.
  - d) Availability of community resources, health status of the community members.
- Q:2: Indicate whether the following statements are TRUE or FALSE on the sheet provided:-
- a) Female sterilization causes irregular and heavy bleeding.
  - b) Female sterilization causes changes in weight, appetite and appearance.
- Q:3: The occupational disease that persons working in information technology sector are likely to develop is:-
- a) Radiation sickness.
  - b) Lead poisoning.
  - c) Corpal tunnel syndrome.
  - d) Mesothelioma.
- Q:4: The following are activities done on the first day of home visiting in sequence:-
- a) Action plans, environmental assessment, evaluation of family progress, creating rapport.
  - b) Creating rapport, determining health status of family members, environmental assessment, action plan.
  - c) Action plans, creating rapport, environment assessment, determining health status of the family members.
  - d) Determining health status of family members, environmental assessment, action plans, creating rapport.
- Q:5: Secondary agents of socialization include:-
- a) Family, social institutions, media.
  - b) Electronic media, parents, school mates.
  - c) Peers, social institutions, media.
  - d) Family, parents, peers.
- Q:6: Directing is a managerial function that deals with:-
- a) Giving orders and issuing instructions.
  - b) Determining targets for the organization.
  - c) Evaluation of performance against set standards.
  - d) Combining organizational activities to increase effectiveness.
- Q:7: Pellagra is caused by a deficiency of:-
- a) Niacin.
  - b) Cobalamin.
  - c) Riboflavin.
  - d) Thiamin.

Q:8: Match the vectors in column A with the diseases they transmit in column B:-

**Column B**

- i) Sand flies.
- ii) Buffalo gnats.

**Column B**

- a) Malaria.
- b) Lishmaniasis.
- c) Trypanosomiasis.
- d) Onchocerciasis.

Q:09: The following are severe diseases prevented by pneumococcal vaccine:-

- a) Sepsis, meningitis, pneumonia.
- b) Meningitis, sinusitis, otitis media.
- c) Pneumonia, bronchitis, bacteremia.
- d) Pneumonia, meningitis, bacteremia.

Q:10: A comprehensive school health program involves:-

- a) Housing and care.
- b) Environmental health.
- c) Legal rights and support.
- d) Assistance with career choices.

Q:11: The devolution of health services under the new constitution in Kenya represents a form of social change called:-

- a) Evolution.
- b) Revolution.
- c) Reformation.
- d) Innovation.

Q:12: The type of female genital mutilation associated with fatal obstetric complication is:-

- a) Symbolic.
- b) Infibulations.
- c) Excision.
- d) Clitoridectomy.

Q:13: A risk factor for exposure to tuberculosis bacillus is:-

- a) Family size.
- b) Bacillary load.
- c) HIV Infection.
- d) Silicosis.

Q:14: Risk assessment is a role a nurse plays during which phase of disaster management:-

- a) Preparedness phase.
- b) Response phase.
- c) Mitigation phase.
- d) Reconstruction phase.

Q:15: A measure of disease burden in a community that has no regard when the subjects were exposed to a possible risk factor is:-

- a) Prevalence.
- b) Incidence.
- c) Percentage.
- d) Attribute.

Q:16: The priority nursing management for a patient with cholera is:-

- a) Anti-microbial drugs.
- b) Strict isolation.
- c) Referral and treatment of contacts.
- d) Rehydration.

Q:17: The following is an effective way for hygienic disposal of waste:-

- a) Composting.
- b) Incineration.
- c) Burning.
- d) Controlled tipping.

Q:18: The type of family that catapults the children into premature adulthood is:-

- a) Canogamy.
- b) Separated.
- c) Dysfunctional.
- d) Care giving.

Q:19: Pinworms and thread worms cause:-

- a) Hydatidosis.
- b) Taeniasis.
- c) Trichuriasis.
- d) Entorobiasis.

Q:20: For a woman to initiate implants family planning method this test is necessary:-

- a) Pelvic examination.
- b) Breast examination.
- c) Cervical cancer screening.
- d) HIV testing.

**PART II: SHORT ANSWER QUESTIONS:**

**MARKS**

- Q:1: State three (3) basic needs of a school child. 3
- Q:2: Outline three (3) qualities of a good home care giver in home based care. 3
- Q:3: Explain three (3) natural defenses against pathogenic organisms through fecal-oral route. 6
- Q:4: Using a well labeled diagram, describe the natural history of diseases. 5
- Q:5: Outline four (4) characteristics of an effective health education session. 4
- Q:6: State two (2) advantages of integrated maternal child health and family planning MCH/FP services to the:-
- i) Consumer. 2
  - ii) Health care provider. 2
- Q:7: State four (4) ways of ensuring proper waste management in a health facility. 4
- Q:8: Explain the three (3) core principles of HIV testing and counselling. 6
- Q:9: State five (5) factors that determine the nature of health complications following female genital mutilation. 5

**PART III: ESSAY/LONG ANSWER QUESTIONS:**

**MARKS**

Q:1: Since the emergence of Ebola outbreak in West Africa the Kenyan government through the Ministry of Health has considered it a necessary public health priority warranting adequate preparedness.

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| i)   | Name the micro-organisms which causes Ebola.   | 1  |
| ii)  | Describe the pathogenesis of Ebola.  | 5  |
| iii) | List four (4) typical features seen in patients with Ebola infection.  | 2  |
| iv)  | Explain how the government of Kenya through the Ministry of Health has enhanced its preparedness and response strategies against the outbreak. | 12 |

Q:2: Your county has appointed you as the Head of Division of Family Health Services in the County. Due to personnel shortage, the management further temporarily appoints you as the chairperson of the staffing committee in order to carry out quality recruitment exercise to manage the human resource shortage.

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| i)   | Outline four (4) objectives of staffing that you will apply in the recruitment exercise.                           | 4  |
| ii)  | Explain six (6) human resource management functions that you will apply in personnel management.                   | 12 |
| iii) | State four (4) standard operating procedures (SOPS) that will enable you achieve fair treatment of your personnel. | 4  |