BASIC 7 CAREER TECH

MARKING SCHEME

 SECTION B

Q1(a)smart materials : Is a compound which has a visible and tangible reaction to external stimuli by undergoing a material property change

 2marks

 (b)

|  |  |  |
| --- | --- | --- |
| Sand uses  | Clay uses | Lime uses |
| Plastering /rendering  | Mouldings bricks  |  For cement  |
| Screeding | Cooking pots | For Mortar  |

|  |  |  |
| --- | --- | --- |
| Characteristics of sand | Characteristics of clay | Characteristics of lime |
| Plasticity ,cohesion very low | Plasticity cohesion very high | Lime is uniform as compare to Portland cement |
| Chemical activity inactive  | Chemical very active | Lime mixes have good workability  |

. 6marks

(c) i)lime iv)tooth brush

 ii)ash v)deodorant

iii)soap. Vi)tooth paste

d) i)wash hand more often

 ii) bath regularly

iii)brush teeth regularly

iv) use deodorant

V)clean hair

 6marks

(e) i) cotton wool

 ii) plaster

iii)scissors

iv)anti wipes

v)elastic bandage

Vi) adhesive tape

 4marks

Q2 (a) unintentionally ,typically resulting in damage or injury

 3marks

b)i) fatigue

ii) stress

iii) trip and fall

iv)dehydration

v) poor ventilation

 5marks

c) i) land pollution

 ii) water pollution

 iii) air pollution

 iv)chemical exposure

 v) food hygiene

 6marks

d)i)Food contamination : Refers to the presence of harmful chemicals And microorganisms in food which Can cause the consumer illness

ii)food poisoning : illness. Caused by food contaminated with bacteria ,viruses, parasites or toxins.

e)first aid is the immediate and temporary treatment given to a person with an injury before evacuate to the nearest health facility .

Q3 a)Resistant materials: They are materials that are flexible and not easily compressed with bare hands. Eg wood ,plastics, ceramics

b) i) they are pleasant to handle

 ii) they are good thermal insulators

 iii) they have a good corrosion

 iv) durability and longevity

v) recyclability

 5marks

c) metals are used for manufacturing home appliance .

 ii) metals are used for manufacturing automobiles

iii) use for construction materials

d) smart materials: They are materials that has visible and tangible reaction to external stimuli by undergoing a material property to change.

 3marks

e) i) Complaint materials: Materials that conforms to regulations or organized ,predictable and consistent properties such such as paper card ,fabric .

 3marks

f) paper is made in two steps, cellulose fibers are extracted from variety of sources and converted to pulp .pulp is combined with water and placed on a paper making machine where it is flatten ,dried and cut into sheet and roll.

Q4(a) bathing regularly

 ii)cutting of toe nails/finger nails

 iii) clean hair

 iv) use of deodorants

 b) i) store food at proper temperature

 ii) use safe water

 iii)use safe raw materials for food

 iv) reheat food thoroughly before eating

 v) only clean hand to handle food

 vii) prevent contamination food

 5marks

c) stress

 ii) fatigue

iii) workplace violence

iv) trip and fall

v) lifting

 5marks

d) i) To save life life of the victim

 ii) To reduce pain and blood flow

iii) To prevent further injury

iv) To arrange for transport for evacuation to the hospital

 4marks

e) avoid littering the environment with plastics

 ii) avoid indiscriminative defecating

 iii) avoid deforestation and increase afforestation

iv) using clean technologies and fuel for domestic cooking ,heating and lighting would reduce acute respiratory infections

 4marks

f) for personal use

 ii) for storing information

 SECTION A

1. C 16. C

2. B 17. A

3. C 18. B

4. A 19. C

5. A 20. D

6. B 21. B

7. C 22. C

8. D 23 A

9. A 24. A

10. A 25 A

11. A 26. A

12. C 27. B

13. A 28. A

14. D 29. B

15. D 30. A

 MARKING SCHEME BASIC 8

Q1 )(A) the weight of the fabric

 The Durability of the fabric

 the Softness

 breathability

 4marks

 B) cotton

 Wool

 Synthetic

 Polyester

 Nylon

 2 marks

 C) over weight

 Warm weather

 Excessive sweat

 Smelling feet

 Hormonal change

 5marks

D) First aid box: Is box that contains supplies and equipment that are use tongive medical treatments .

E) chemical burns : Are burns that occurs when the skin come into contact with an irritant .

ii) car battery acid

 ammonia

 denture cleaners

Teeth whitening products

Bleach

F) deforestation : Is the clearing or removal of trees through deliberate ,accidental or natural means.

 2marks

G) illegal logging

 Over population

 Bush fire

Mining

Agriculture

Urbanization

Desertification

Climate change

Q2)(A) Food :is anything liquid or solid contain nutrients that is consumed or absorbed by humans ,animals ,plants in order to sustain growth .

Aii)

|  |  |
| --- | --- |
| Liquid form  | Solid form |
| milk | banku |
| soup | konkonte |
| juice | yam |
| Beverages | fufu |

. 5marks

B) the volume of the mortar increase (bulking )

 Improve setting capability

 Increase density of mortar

 Prevent cracking of mortar

 Prevent excessive shrinkage

 3marks

C) overgrazing

 Deforestation

 Farming practice

 Excessive use of fertilizer

 Urbanization

Climate change

Strapping the land of sources

 5marks

D) helps the body to grow

 It builds ,repairs and the maintenance of the body

 It helps in protection from diseases

 It helps to satisfy hunger ,social needs and pleasure

 5marks

E) food industry

 Textile industry

 Electronic industry

 Building industry

F) modified starches used in preparation of same food .eg. Pizza

 Sanitize fabric for sports wear and socks

 Liquid crystal display for organic light Emmitt diodes

 Photochromic pigments for lens in glass

 3marks

Q3)(A)

|  |  |
| --- | --- |
| Natural Fabre  | Synthetic  |
| wool | Rayon  |
| cotton | Polyester  |
| Silk | Nylon  |

. 3marks

B) hardwood come from dicot trees .these are usually found in broad leaves

 Softwood comes from gymnosperm trees such as pine and spruce.

 Manufactured wood: Is modified and improved wood made from combining and pressing different wood pieces together with other ingredients like glue and sawdust .

 3marks

C) brass

Stainless steel

High speed steel

Bronze

 5marks

D) pit sand

 River sand

 Sea sand

 3marks

E) texture

 Density

 Structure

 Appearance

 Strength

 Hardness

 Porosity

 Toughness

 5marks

F)

|  |  |  |
| --- | --- | --- |
| Bodybuilding  | Protective food | Energy giving food |
| Animal food and products ,Vegetables or plant protein | Fruit and vegetables  | Fat and oilStarches Plantain Cereals and grains  |

. 6marks

Q4)(A) it be chemically

 It should not contain organic matters

 The sand should be free from clay materials

 The grains should be sharp, angular and Coase

 The grains should be of durable minerals

B)soundness

 Consistency

 Strength

 Bulk density

 Setting time

 Fineness of cement

 4marks

C)

|  |  |
| --- | --- |
| Food groups | Example  |
| 1 ) fat and oil |  Palm oil, coconut oil  |
| 2). Starchy roots and plantain  | Yam, plantain  |
| 3) vegetables ,plant protein food | Beans, soya , |
| 4) fruit and vegetable  | Banana ,orange,mango |
| 5) grains and cereals  | Rice, millet,maize |
| 6) animal food and products  |  Milk, |

 6marks

D) flooding

 Poor water quality

 Over population

 Poverty

 Migration

 Destruction of habitat

 Farming be come impossible

 Hunger

 Health problem

 5marks

E) wash your feet at least twice daily

 Wear shoe with feather lining

 Wear clean pair of sock made from wool

 Apply foot deodorant

 Walk around bare foot

 5marks

 Marking scheme

CAREER TECHNOLOGY

 Form two

 Objective

1)D. 11)A. 21)C

2)A. 12)A. 22)A

3)A. 13)C. 23)D

4)C. 14)C. 24)A

5)B. 15)D. 25)D

6)D. 16)A. 26)D

7)B. 17)C. 27)C

8)A. 18)C. 28)A

9)B. 19)A. 29)B

10)C. 20)D. 30)B