Zonal education office - Jaffna

Grade- 8 Term- 1 Unit – 01 Time - 40 min

Part – 1

Choose the correct answer

1) Who observed micro-organisms for the very first time.
   1) Antonie van Leeuwenhoek 3) Galileo Galilei
   2) Carolus Linnaeus 4) Robert Hooke
2) The food that undergoes putrefaction.
   1) Bread 2) Egg 3) Butter 4) Potato
3) Temperature range suitable for microbial growth is,
   1) $0^oC - 10^oC$ 2) $100^oC - 150^oC$ 3) $25^oC - 30^oC$ 4) $50^oC - 80^oC$
4) Which of the following is used as supplementary for protein?
   1) Bacteria 2) Paramecium
   3) Amoeba 4) Reproductive structure of *Agaricus* (Mushroom)
5) Which micro-organism is responsible for fermentation of coconut water that is exposed to air for Two days?
   1) Yeast 2) Chlamydomonas 3) Paramecium 4) Algae (5x4 =20 marks)

Put right (√) or wrong (×)

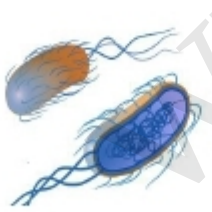
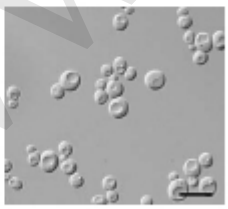
1) Micro-organisms are used in powdered milk production ( )
2) Microbial activities are controlled in the food by keeping it in refrigerator ( )
3) Bacteria is causative agent of malaria ( )
4) Micro-organisms are not present in hot springs ( )
5) Quality of food will change due to the activities of micro-organisms ( )

(5x4 = 20marks)

Part II

Answer all questions

1) Answer the following question by using given diagrams.




A	B	C	D	E

a. Identify the micro-organisms from A to E?

A…… B……
C…… D……
E…… (5x2= 10Marks)

b. Which micro-organism can be observed in hay extracted water?

…… (3Marks)

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c. Name a unicellular fungi from the above?……...(3Marks)
d. Which micro-organism can be observed through hand lens in spoilage of bread?
…… (3Marks)
e. State an instrument which can be used to observe above micro-organisms clearly?
……..... (2Marks)
f. Write the locomotory organ for the following?
C…….. E…….(3Marks)
g. Which micro-organism shows living or nonliving characteristics which is not mentioned above?.....(3Marks)
h. Which of the above has ability to do photosynthesis?.....(3Marks)

(30Marks)

2) The following setup was given to identify the effects of micro-organisms on food.



a. Which micro-organism is used in above experiment?……..(3Marks)

b. State two observations during the above experiment? ……
…… ……..(3Marks)
c. Which gas is responsible for expansion of balloon…….. (3Marks)
d. State a food production method based on above experiment?..... (3Marks)
e. Which compound causes the smell when loose the balloon?.....(3Marks)
f. State type of microbial activity for the following food type?
a) Sugar …….. b) Lipid ……... (3Marks)

3) Some micro-organisms are beneficial to human while some are harmful

a. State an usage of micro-organisms in medical field?
..... (3Marks)
b. Which group of micro-organism is responsible for pityriasis in skin?
……..... (3Marks)
c. Name the groups of micro-organisms which are decomposed animal and plant wastages?
…… (3Marks)
d. State the colours of dustbin to put following wastages in waste management system?
1. Plant wastages: …….
2. Paper wastages: …… (3 Marks)

(30 Marks)

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