



THE OPEN UNIVERSITY OF SRI LANKA
FOUNDATION PROGRAMME IN SCIENCE - 2008 / 2009
PSF 1305 / PSE 1305 BOTANY I
ASSESSMENT TEST II - NO BOOK TEST

DURATION: ONE HOUR

REGISTRATION NO. :

DATE: 7th Oct. 2008

TIME: 1.00 p.m- 2.00p.m

ANSWER ALL QUESTION ON THE SPACE PROVIDED

(01). Fill in the blanks of the following sentences with the most appropriate word/words.

- a). The outer protein coat of a is referred to as capsid.
- b). The resting spores produced by blue-green algae is called.....
- c). Classes of organisms with major similarities are grouped into Divisions and Divisions are grouped into.....
- d). Organisms that synthesize their own organic material from simple inorganic molecules are called.....
- e). The process of increasing the nutrient content in water bodies is called.....
- f). *Nostoc* is an example of the division.....
- g). The life cycle of *Ulva* exhibitsalternation of generation.
- h).is a fresh water algae, it has a cylindrical body and the chloroplast is ribbon-shaped.
- i). Floridian starch is the main stored food found in the members of the Division.....
- j). *Phytophthora infestance* causes the disease.....in potato plants.

(02) State whether the following statements are True or Falls

- a). Prokaryotes posses a well organized nucleus and a nuclear membrane.
- b). Gram -positive bacteria are usually resistant to antibiotics.

- c) Viruses multiply only within living cells.
- d) *Anabaena* is a unicellular alga.
- e) *Ulva* is a free floating alga.
- f) *Rhizopus* belongs to the sub-division Zygomycotina.
- g) Clamp connections are found in members of Ascomycetes.
- h) Lichens are associations between algae and bacteria.
- i) Non-seed bearing tracheophytes are collectively referred to as Pteridophytes.
- j) *Salvinia* is a fern.

(03). Select the most relevant word from column X to column Y and write the corresponding letter in the space provided.

X	Y	
A) Monera	<i>Cycas</i>
B) Diatoms	Nomanclature
C) <i>Gracillaria</i>	Prokaryotes
D) Basidiomycetes	Unicellular fungi
E) Deuteromycotina	Agar
F) Yeast	Mushrooms
G) Gametes	Bryophyta
H) Linnaeus	Fungi-imperfecti
I) Musci	Bacillariophyta
J) Gymnosperms	Gametangia

(04). Give two differences between the following.

a). Bacteria

Virus

i)
.....

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.....

ii)
.....

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b). Chlorophyta

Rhodophyta

i)
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ii)
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c). Isogamy

Oogamy

i)
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ii)
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d). *Mucor*

Agaricus

i)
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ii)
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e) Angiosperms

Gymnosperms

i)

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ii)

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