

(7 pages)

Reg. No. :

Code No. : 30349

Sub. Code : APLS 11/
CPLS 11

U.G. (CBCS) DEGREE EXAMINATION, APRIL, 2023.

First Semester

Add on Major

PROFESSIONAL ENGLISH FOR
LIFE SCIENCES — I

(For those who joined in July 2020 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Do not touch the _____ with your fingers.
(a) Slide (b) Lenses
(c) Eyepiece (d) Condenser
2. _____ waste in the dust bin
(a) Clean (b) Dilute
(c) Dispose (d) Handle

9. There are approximately _____ different enzymes found in the human cell
(a) 1100 (b) 1200
(c) 1300 (d) 1500
10. Hydrosphere covers _____ % of earth's surface
(a) 60 (b) 80
(c) 70 (d) 90

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write any five instructions to use a microscope.
Or
(b) Change the modals underline by choosing a more suitable one from the list.
(i) You will go now
(ii) I could finish it by evening
(iii) Will I borrow a compass from you.
(iv) I think it should rain tomorrow morning.
(May, Can, Might, Will).

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3. Petunias are generally _____ pollinated
(a) Insect (b) Animals
(c) Water (d) Wind
4. _____ are attached to a gas line
(a) Bunsen burners (b) Forceps
(c) Scalpel (d) Probe
5. Bose institute is located in
(a) Calcutta (b) Chennai
(c) Mumbai (d) Gujarat
6. Which one of the following is a Renewable resources
(a) Sunlight (b) Iron
(c) Coal (d) Petroleum
7. Anaemia is a condition where there is a low amount of _____ in the body
(a) Vitamins (b) Minerals
(c) Haemoglobin (d) Cholesterol
8. Deficiency is a _____ syllabic word
(a) Tri (b) Mono
(c) Penta (d) Bi

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12. (a) Fill in the blanks using the help box
(i) _____ are attached to a gas line.
(ii) _____ needs to be centrifuged.
(iii) Litmus paper is used as an _____
(iv) _____ are used to hold the tissue.
(Forceps, Bunsen burners, Test tube, Indicator).

Or

- (b) Write short notes on ultrasound scanning machine.
13. (a) What are the instructions to be followed during brainstorming.
Or
(b) Write short notes on mind mapping.
14. (a) Write notes on syllabification.
Or
(b) Frame sentences using the following words.
(i) Eradicate
(ii) Essential
(iii) Resistant
(iv) Adapt.

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[P.T.O.]

15. (a) What is the role of enzyme in your body?

Or

(b) Write 5 R's of Note making.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Choosing the appropriate root forms of verbs given within brackets.

(Rinse, Wear, Arrange, Dispose, Handle, Do not, Clean, Dilute)

(i) _____ lab coat before entering the lab

(ii) _____ eat in the lab.

(iii) _____ the concentrated acids in the presence of your professor.

(iv) _____ glassware with care.

(v) _____ the apparatus before and after the experiment

(vi) _____ the spills immediately.

(vii) _____ waste in the dustbin.

(viii) _____ the apparatus in order after the experiment is over.

Or

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(b) Match the expressions with their meaning.

(i) Visionary – chemicals used to destroy fungus.

(ii) Hiking – chemicals used for killing insects.

(iii) Siblings – scientist who studies the chemistry of living things.

(iv) Testament – long walk in the country.

(v) Pilgrimage – proof of something.

(vi) Insecticides – brothers and sisters born to the same parents.

(vii) Fungicides – a person who plans for the future with great imagination.

(viii) Biochemist – journey to a holy place for religious reasons.

17. (a) Write an essay on basic equipment used in biology experiments.

Or

(b) Give a brief account on centrifuge.

18. (a) Write an essay on genetically modified seeds.

Or

(b) Give a brief account on macro and micro nutrients.

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19. (a) Give a brief account on digestive system.

Or

(b) Interpret the following table and write about in a paragraph, (200 words).

Municipal solid waste collection and segregation at Source (Source : Solid Waste Management in India ICRIER Report Jan 2019)

City	State	Population (in million)	Door to door collection from households (%)	Segregation at source (%)
Mumbai	Maharashtra	20.0	80	Nil
Delhi	-	19.1	39	2
Bengaluru	Karnataka	10.4	71	50
Chennai	Tamil Nadu	10.0	80	Nil
Hyderabad	Telungana	9.1	73	Nil

20. (a) Write an essay on mechanism of enzyme action.

Or

(b) Give a detailed account on water cycle.