

(7 Pages)

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Sub. Code : APLS 21/
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B.Sc. (CBCS) DEGREE EXAMINATION, APRIL 2022

Second Semester

Major – PROFESSIONAL ENGLISH FOR
LIFE SCIENCES – II

(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. Wind maintain and balance _____
- (a) External environment
(b) Internal environment
(c) Soil
(d) Water

2. A pathway running from the outer ear to the middle ear _____
- (a) Microphone (b) Ear card
(c) Electrical energy (d) Ground
3. Missing letters
- (a) N-C-E-S
(b) M-T-C-O-D-I-
4. Debate is an argument between _____
- (a) Three person (b) One person
(c) Two teams (d) All of these
5. Video conferencing is related to _____
- (a) Infrastructure (b) Desktop
(c) Technology (d) Internet
6. Vlogging is all about building a relationship with your _____
- (a) Audience (b) Social media
(c) Create video (d) None of them
7. Who invented microscope?
- (a) Zacharias Janssen
(b) Antonie Van Leeuwenhoek
(c) Charles Dickens
(d) Gregor Mendel

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8. Which skill is a part of academic listening?
 (a) Hearing (b) Writing
 (c) Reading (d) Summary
9. Science brochure contain _____ elements.
 (a) Target action (b) USP
 (c) Target audience (d) All of them
10. _____ is pure water.
 (a) Pond water (b) Well water
 (c) Bore water (d) Rain water

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) How is overfishing a threat to coral reefs?
 Or
 (b) Why are reefs ecosystem becoming fragile?
12. (a) Illustrate ten points about Amoeba.
 Or
 (b) Differentiate invertebrate and chordate.

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13. (a) Describe symbiosis.
 Or
 (b) How does parasitism occur?
14. (a) Show your perception on DNA technology.
 Or
 (b) Can you define vertical forming?
15. (a) Draw a diagram of power point, pie chart and bar diagram.
 Or
 (b) What are the techniques for a captivating presentation?

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) Read the given passages and answer the questions that follow.
 Ayurveda emphasizes that individual well-being should not come into conflict with social well-being. A happy life is that which achieves individual well-being, whereas as wholesome life is that which is conducive to

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 [P.T.O.]



social well-being. These concepts are currently in application and we have countries projecting their personal and national well-being indices, which match exactly the Ayurvedic notion of a happy and wholesome life. Integrative approach to healthcare Ayurveda is perhaps the earliest form of integrative medicine practiced by humanity.

The definition of Ayurveda is in tune with modern notions of integrative medicine. Integrative medicine attempts to heal the body, mind and self at the same time or treats the human being as a complete whole. Integrative medicine combines mainstream medical therapies and complementary and alternative medical therapies for which there is some high-quality scientific evidence of safety and effectiveness. Ayurveda states that human life rests on the tripod of the body, mind and self. Ayurvedic texts also advise that there are multiple approaches to healing that are prevalent in the world and that we must examine and integrate the most effective methods to make a complete system of healing.

Balance of inner environment and personalized medicine Ayurveda defines health as a dynamic balance of the internal environment that positively impacts the

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sense organs, mind and the self. Just like the sun, the moon and the wind maintain the balance of the external environment, the body maintains itself by balancing anabolic (building up) and catabolic (breaking down) activities by self-regulation.

Each individual is unique and has a specific mental and physical constitution, which define the vulnerability to disease and the scope for achieving higher levels of health. Ayurveda has also been at the forefront of advocating an approach to personalized medicine from historical times. Advances in human genetics and medical genetics have heralded the emergence of a personalized approach to medicine today that tailors medical intervention to suit individual needs.

- (i) How does Ayurveda help in individual well-being?
- (ii) In what way does Ayurveda conform to the concept of integrative medicine?
- (iii) What is inferred from fourth paragraph?
- (iv) Why does Ayurvedic medicine have variations in treating each individual?

Or

- (b) Write a detailed summary about anyone phylum invertebrate.

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17. (a) (i) Define Eukaryotic cell.
(ii) What does homologous genome?

Or

- (b) (i) What is genome?
(ii) Describe single nucleotide polymorphism.

18. (a) How to create web page?

Or

- (b) Describe the relationship of human beings with ecology.

19. (a) Prepare a brochure for science exhibition to be conducted in your department.

Or

- (b) Explain the differences between creativity and imagination.

20. (a) Describe a paraphrase about positive thinking.

Or

- (b) Write any four punctuation rules.

