

Code No. : 30347

Sub. Code : APPS 11/  
CPPS 11

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

First Semester

Add on Major

PROFESSIONAL ENGLISH FOR PHYSICAL  
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. What did C.V. Raman's discovery deal with?
- (a) Hereditary characteristics  
(b) Space travel  
(c) Radio waves  
(d) Scattering of light

7. Which of the following particles is called the particulate pollutants
- (a) Ozone (b) Radon  
(c) Fly Ash (d) Ethylene
8. A material that has zero resistance is called
- (a) Insulator (b) Conductor  
(c) Superconductor (d) Semiconductor
9. The resistance of the conductor is directly proportional to
- (a) Length  
(b) Area of cross-section  
(c) Temperature  
(d) Resistivity
10. Cosmology is the branch of science concerned with the \_\_\_\_\_
- (a) Formation of planets  
(b) Formation of Stars  
(c) Formation of universe  
(d) Formation of Black hole

2. From one place to another place through waves we can transfer
- (a) heat (b) energy  
(c) sound (d) gas
3. While reading which of the following is required for skills \_\_\_\_\_
- (a) Reason for reading  
(b) Knowledge  
(c) Ability  
(d) All of these
4. Thermocouple works on
- (a) Seebeck effect (b) Peltier effect  
(c) Kelvin effect (d) Thomson effect
5. The apparatus used to measure intensity of sound is
- (a) Audiometer (b) Audiophone  
(c) Anemeter (d) Chronometer
6. International day on biological diversity is celebrated on which date
- (a) April 1 (b) May 22  
(c) December 15 (d) November 10

PART B — (5 × 5 = 25 marks)

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

Each answer should not exceed 250 words.

11. (a) Classify the following terms as devices, concepts or processes in the table.
- |  |
|--|
| Raman effect, Scattering, Crystal Structure, Acoustics, Optics of Colloids, Prism, Diffraction |
|--|
- Or
- (b) Write a short paragraph about Internet of things.
12. (a) Describe extended definition. List out steps involved in it.
- Or
- (b) Write note on Role Play in speaking activity.
13. (a) Unscramble the following words
- (i) aimclte  
(ii) sstiitaublynai  
(iii) redeue  
(iv) uetrun  
(v) yclerce  
(vi) ernvmieont.

(b) Locate the Antonyms of the following words from the bracket

- (i) Displeasure
- (ii) inconstant
- (iii) Drying
- (iv) Constructively
- (v) instability.

14. (a) Explain terms

- (i) Immigration
- (ii) Malfunction
- (iii) Shuttle
- (iv) Plunge.

Or

(b) Explain how did Newton identify the Gravitational force.

15. (a) Write a paragraph on Navigation systems.

Or

(b) Outline the advantages and disadvantages of mobile phone.

Page 5 Code No. : 30347

PART C — (5 × 8 = 40 marks)

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

Each answer should not exceed 600 words.

16. (a) (i) Fill in the Blanks with suitable words from the bracket:

(Prism, Matter, Radiation, Light, Interaction)

Spectroscopy is the study of the \_\_\_\_\_ between \_\_\_\_\_ and electromagnetic \_\_\_\_\_ via electron spectroscopy, atomic spectroscopy. Historically, spectroscopy originated through the study of visible \_\_\_\_\_ dispersed, according to its wavelength, by a \_\_\_\_\_.

(ii) Define

- (1) Aerospace
- (2) Armoury
- (3) Weaponise.

Or

(b) - Write an essay about purpose of candles.

Page 6 Code No. : 30347

17. (a) Write a paragraph on the process description.

Write the uses of Computer Graphics.

Or

(b) Write the extended definition for the words

- (i) Barometer
- (ii) Gobar gas plant
- (iii) Microphone
- (iv) A flow chart.

18. (a) Write an essay about Science and technology.

Or

(b) Write a note

- (i) LED
- (ii) Tablet. Write their uses.

19. (a) Write an essay about a natural disaster.

Or

(b) Outline few sentences about Online classes.

Page 7 Code No. : 30347

20. (a) Give the synonym for the following words.

- (i) picture \_\_\_\_\_
- (ii) predict \_\_\_\_\_
- (iii) sufficient \_\_\_\_\_

Give the antonym for the following words

- (i) Single \_\_\_\_\_
- (ii) Experience \_\_\_\_\_
- (iii) Invaluable \_\_\_\_\_

Fill in the blanks with missing letters.

- (i) I C E A \_ E
- (ii) V \_ C \_ \_ M
- (iii) M \_ T \_ \_ N.

Or

(b) Outline Salient features of Steady State theory.

Page 8 Code No. : 30347