

Roll No

HU - 110**B.E. (All Branches) B.Arch./ B.Pharm.,****I Year I Semester**

Examination, December 2015

Choice Based Credit System (CBCS)**English***Time : Three Hours**Maximum Marks : 60**Note: i) Attempt any five questions.**ii) Question 1 and 2 have 2 parts. Both are compulsory of these questions are attempted.*

1. a) Fill in the blanks with appropriate articles indicate when no article is required.

i) He is _____ actor.

ii) _____ couple of friends came over for dinner.

iii) Look at _____ sky!

iv) They live in _____ flat.

v) The ship sank in _____ Bay of Bengal.

vi) One winter there was _____ terrible steam.

vii) He is not at _____ home. rgpvonline.com

b) Punctuate the following using suitable punctuation marks :

i) Have you finished your meal. ?

ii) She was very fond of her daughter-in-law.

iii) The girl's purse was lost.

iv) Men may come and men may go but I go on forever.

- a) Suggest a title for this passage.
- b) What is the central idea of the first paragraph?
- c) What is Photosynthesis?
- d) How are nuclear reactions formed?
- e) What is infrared light?
- f) How does the sun emit light of different wavelengths?
- g) What is the central idea of this passage?
4. Write an essay on "Terrorism : a global menace."
5. Assume that you are a technical manager at a company that manufactures electronic gadgets such as microwaves, Toasters, Sandwich makers, Mixers and Grinders. Write a technical description of these gadgets for publication in the technical manual.
6. With summer approaching you intend to purchase air conditioners for your office at Safdarjung Road, New Delhi. Assuming yourself to be the Maintenance officer of Ubiquitous Technologies Pvt. Ltd. New Delhi. Write a letter investing quotations to Westworld Appliances and Equipment, Mumbai, Seeking information about the availability and price of the product.
7. Draft a job application letter for the post of Software Engineer in world Mega Soft Pvt. Ltd. Gurgaon. Assume relevant details. Enclose a resume.

- v) She was tall slim beautiful.
- vi) Today, we don't do anything regarding global warming tomorrow there is nothing we can do.
- vii) He said, "you are my friend."

2. a) Offer one word expressions for the following terms :

- i) A person who believes in God.
- ii) A tendency to favour one's relatives.
- iii) A medicine that cures all ailments.
- iv) Saying things in a round about way.
- v) Easily convinced, cheated and gulled.
- vi) A person with strange and peculiar habits.
- vii) A person too proud of his/her race, nation, gender etc.

b) Choose the right option in the following sentences :

- i) The girl did not take the complement/compliment kindly.
- ii) Cancer is an invidious/insidious disease; it kills you silently.
- iii) Only a waver/waiver in the fees would help me.
- iv) Mr. Kapoor died in a rail collision/collusion.
- v) The Prime Minister has been apprised/appraised of the latest developments in the state by the Chief Minister.
- vi) I expect you to comply/complicate with my orders.
- vii) What hurt me most was the tone of the person; it was so boorish and degenerating/deprecating.

3. Skew the following passage and answer the questions given at the end.

The sun is the most direct source of energy. It powers the flow of wind and water cycles and sustains all life. Plants use this energy to synthesize carbohydrates from simple substances like Carbon dioxide and water. All the food is derived from the process of photosynthesis. In fact, the energy by which all the animals including human beings live is generated by the oxidation of the food produced by the plants.

The sun contains in its core hydrogen nuclei moving at very great speeds. Wherever these nuclei collide and fuse to form a nucleus of a heavier element, it results in nuclear reactions. These reactions generate tremendous amounts of energy. It is this energy that powers the sun.

The sun emits lights of different wavelengths. If sunlight is passed through a prism each of these wavelengths is refracted by a different amount. Violet has the shortest wavelength, and red has the longest. The wavelength of green is midway between that of violet and red. Light with wavelength shorter than that of violet is called Ultraviolet light. Light with wavelength longer than that of red light is called infrared light. About one third of the light from the sun is infrared.

We know that nuclear reactions that go on in the interior of the sun liberate a large amount of energy. Nuclei of deuterium, which is the heavier isotope of hydrogen, collide in the sun's interior to produce helium. The energy liberated in these reactions fires the sun, which in turn, emits light of different wavelengths, of these wavelengths, it is the infrared wavelengths that heat up the earth. The reaction in which the hydrogen in the sun is converted into helium is called a Fusion reaction.