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**Question Paper Code : 75726**

5 Year M.Sc. DEGREE EXAMINATION, JANUARY 2014.

First Semester

Software Engineering

EEN 012 – ENGLISH – I

(Regulation 2010)

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

1. Match the words in column A with their meanings in column B :

A	B
(a) enterprise	(i) division of atom
(b) obsolescence	(ii) ability to attempt something new
(c) fission	(iii) pollution
(d) contamination	(iv) out of date

2. Fill in the blanks with the appropriate tense forms :

Rice husk \_\_\_\_\_ (obtain) from rice mill. It \_\_\_\_\_ (produce) in such a large quantity that its disposal becomes a problem. When it \_\_\_\_\_ (burn) under controlled temperature in a furnace it \_\_\_\_\_ (leave) a residue in the form of a highly reactive ash.

3. Change the following sentences into impersonal passive voice :

- (a) They should have warned him.  
(b) People have seen wolves in the forest.

4. Fill in the blanks with suitable prepositions :

In fact, the only difference between the resulting equations \_\_\_\_\_ a network \_\_\_\_\_ which non resistor has been replaced \_\_\_\_\_ a pnp transistor is the sign associated \_\_\_\_\_ partial quantities.



5. Define the following :
- (a) Algorithm
  - (b) Floppy disk.
6. Change the following words into adjectives :
- (a) Beauty
  - (b) industry
  - (c) space
  - (d) virtue.
7. Expand the following abbreviations :
- (a) CPU
  - (b) LAN
  - (c) RAM
  - (d) TOEFL
8. Make sentences using the following words as noun and verb :
- (a) produce
  - (b) conduct.
9. Form antonyms of the words by using appropriate prefixes :
- (a) Decorated
  - (b) Co-operation
  - (c) Management
  - (d) Nutrition.
10. Form a WH question for the underlined expression :
- (a) Manager was transferred to Calcutta.
  - (b) She reached the station late.



PART B — (5 × 16 = 80 marks)

11. Read the following passage carefully and answer the questions :

The energy transmitted from one body to another in the form of rays or radiations is called radiant energy. Cosmic rays, gamma rays, X-rays, ultra-violet rays, visible rays, infrared rays, radio waves, and heat are examples of radiant energy. These waves are associated with electric as well as magnetic fields. Thus, these radiations are called electromagnetic radiation. The radiation important to us is that from the sun, the earth and the atmosphere lying within the ultraviolet, visible and infrared spectral regions.

There are five important characteristics associated with each wave. These include wavelength, frequency, velocity, wave number, and amplitude. Wavelength is the distance between two adjacent crests or troughs in a particular wave. It is denoted by Greek letter lambda. Frequency is defined as the number of waves or cycles that pass through a given point in one second. It is denoted by the Greek letter nu[ν] Velocity is the distance traveled by a wave in one second, it is denoted by the letter 'c'. Wave number is the reciprocal of wavelength and is defined as the number of waves per centimeter. Finally, amplitude is the height of crest or trough of a wave.

- (a) Answer the following questions : (5 × 2 = 10)

- (i) What is the difference between radiant energy and electromagnetic radiation?
- (ii) What is important to human beings?
- (iii) What is the difference between Wave length and Wave number?
- (iv) What is denoted by Greek letter nu[ν]?
- (v) What is the main idea of this passage? Give a suitable title to this passage.

- (b) Say whether the following statements are true or false : (3 × 1 = 3)

- (i) The energy transmitted from one body to another in the form of rays or radiations is called radiant energy.



- (ii) Frequency is denoted by Greek letter lambda.
  - (iii) Cosmic rays, gamma rays, X-rays, ultra-violet rays, visible rays, infrared rays, radio waves, and heat are examples of radiant energy.
- (c) Give the contextual meanings of the following words : (3 × 1 = 3)
- (i) Transmitted
  - (ii) Associated
  - (iii) Visible

12. (a) Write a job application letter for the post of 'Junior Software Engineer'. Address your letter to 'The personnel manager, Satyam Softwares Limited, 28 Greenways Road, Chennai-28'.

Or

- (b) Write a letter to the Editor of THE HINDU on 'Power cut in your locality'.

13. (a) Read the following passages carefully and make notes :

Recent archaeological evidence indicates that European man is far older than was previously thought. And the evidence is breaking down a line of thinking called the *diffusion theory*. This theory suggests that civilization as we know it originated in the Middle East and then slowly diffused throughout the world, including Europe. It is a theory that has been generally accepted for years. An example of this change in thinking can be provided on the Island of Malta, where stand some ruined stone temples of unknown origin. Although scientists and archaeologists were quite certain that they were built before the ancient Greeks and Romans, the general opinion was that the time gap between these temples and the age of the ancient Greeks and Romans was not great.

Now through a miraculous new process of establishing the dates of civilization, called radio-carbon dating, we can be certain that these temples were in fact under construction before 3000 BC that is, before the pyramids of Egypt. In fact, it has now become certain that many of



the great stone tombs that are dotted around Europe were built around 4000 BC and are quite the oldest buildings in existence. So the diffusion theory is being replaced by a revolution in historical thinking, which suggests that the creation of civilized objects such as stone buildings and metallurgy was not passed on to Europe by superior beings from the East, but in fact occurred spontaneously in different parts of the world.

Or

(b) Write a few paragraphs describing the appearance, utility and function of a Lap top Computer?

14. (a) Transform the given information in to a flowchart. (16)

Civilization, culture, progress depend on education. Education is provided by the government : It is also provided by private trusts and agencies. We can broadly categorize education into two levels: School education and education beyond school. School education can be subdivided into three categories: Elementary, secondary and higher secondary. This is where basic knowledge is provided in different disciplines like languages, maths, science, history, geography, sports is also an integral part of this education.

Education beyond school occurs at four different levels : Graduate (BA, B.Sc), PG (MA, M.Sc), M.Phil, Ph.D and Diploma. A student who goes through the first three stages gets a basic degree, a PG degree, an additional research degree M.Phil or Ph.D. A student can go straight to polytechnics and receive diplomas or he can obtain PG diplomas in specialized areas. A variety of courses are offered under the various degree levels. These courses can cover several disciplines: arts, science, law and professional Under the last category come medical, paramedical, veterinary, agriculture, engineering and business-related programmes.

Or

(b) Imagine that you went for an Industrial Visit to Bangalore. Narrate the Visit.



15. (a) Write an essay on 'Social Networking'.

Or

(b) Study the flow chart and describe the process for extracting gold :

