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**Question Paper Code : 95241**

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2015.

Second Semester

Software Engineering

EEN 022 — ENGLISH II

(Common to 5 year M.Sc. Software System)

(Regulations 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

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

A	B
(a) Hazard	(i) Cooling fluid
(b) Breeder	(ii) Central Part of the atom
(c) Coolant	(iii) Danger
(d) Nucleus	(iv) Producer

2. Fill in the blanks with appropriate forms of words :

Verb	Noun	Adjective
(a) _____	assumption	_____
(b) _____	_____	Communicative

3. Define deque.

4. What is a symbol table?

5. Form adjectives by adding suffixes to the following words:

- |             |               |
|-------------|---------------|
| (a) Verb    | (b) Comfort   |
| (c) Specify | (d) Molecule. |

6. Form words which suits the meanings given by adding prefixes:

- |                    |                            |
|--------------------|----------------------------|
| (a) _____ valent   | - referring to both of two |
| (b) _____ national | - more than one            |
| (c) _____ load     | - too much                 |
| (d) _____ circle   | - partly                   |

7. Complete the following passage with suitable tense forms.
- (a) The principal \_\_\_\_\_(finish) the talk when he \_\_\_\_\_ (arrive)
- (b) The minister \_\_\_\_\_ (say) that he \_\_\_\_\_ (develop) the department within six months.
8. Rewrite the given expressions as shown in the example.  
Example: The pipe is 3 feet long  
Answer: a 3 - foot pipe.
- (a) A workshop lasting for two days
- (b) A race of hundred metres
- (c) A can with a capacity of 10 litres
- (d) A trip for five days.
9. What is file replication?
10. What is meant by atomic transaction?

PART B — (5 × 16 = 80 marks)

11. Read the following passage and answer the questions that follow:

It appears that in the 17<sup>th</sup> and 18<sup>th</sup> Centuries a number of mechanics tried to make a robot. A robot is an automatic machine. In fact, it is a machine which 'can work just like a human being. The Austrian mechanic, Kemplener, who was a highly respected man in Vienna, built an automaton at the end of the 18<sup>th</sup> Century. It was a colourfully dressed figure that looked like a Turk. It sat behind a box and played chess moving the pieces over the board with its left hand. It was an excellent chess player, and was rarely beaten. People marvelled at it. It happened that twenty years after the death of the inventor, the chess playing Turk, under the management of a new owner, went to America and gave a show in Virginia. Edgar Allen Poe was a spectator at one of these performances. It appears that the automaton occasionally lost a game, and Poe was puzzled. He thought that if it was automaton it should never lose. He felt that there was a snag somewhere. Perhaps it was a trick. He wrote an essay on the chess player in which he concluded that a human being must have been hidden somewhere behind the machinery, directing its operations. This was a fact. The machine was a hoax.

Now we live in a world full of automations. Now-a-days, we can attach a personal automaton to our telephone and go out without worrying. This obedient machine will answer as soon as someone calls and will record the message on a magnetic tape. If its owner should telephone it, and ask what calls have come in, it will inform him at once. But it is very careful, for it will give out this information only in response to a pre-arranged code word. Then, if so ordered, it will obediently wipe out all records of the calls and place itself in a state of receptiveness again, in some power plants there is a similar device. The plant engineer dials a number on the telephone and a metering and recording robot answers. It gives the water level or the temperature of the generators, repeats the figures for safety sake and hangs up. In California, robots sort fruits by colour, size, shape, and quality. In some factories, robot

fire-watchers sound the alarm when they smell smoke, and in many banks and business houses robots call the police when they see a burglar.

- (a) Say whether the following statements are True or False. (4)
- (i) Turk is a Austrian Mechanic.
  - (ii) Turk can play chess very well
  - (iii) The inventor took the chess playing Turk for a show to Virginia.
  - (iv) Robots even call the police when they see burglars, in banks.
- (b) Answer the following in a sentence each: (4)
- (i) Define a Robot.
  - (ii) What did chess playing Turk move with its left hand?
  - (iii) Why Edgar Poe felt that there was a snag in the performance?
  - (iv) What criteria are used to sort fruits in California?
- (c) Complete the following suitably : (4)
- (i) The conclusion of Mr Edgar Allen Poe was \_\_\_\_\_
  - (ii) The metering and recording robot gives information \_\_\_\_\_
  - (iii) In response to a pre-arranged code word, the personal telephone automaton \_\_\_\_\_.
  - (iv) In some factories when they smell smoke the robot \_\_\_\_\_
- (d) Choose the correct alternative: (4)
- (i) Turk.
    - (1) a large bird
    - (2) a native inhabitant of Turkey
    - (3) a long pointed tooth.
  - (ii) Snag
    - (1) Sharp object
    - (2) Hidden rock
    - (3) Difficulty or obstacle.
  - (iii) Hoax
    - (1) rough and harsh
    - (2) mischievous trick played for fun.
    - (3) deceiver.
  - (iv) Automaton
    - (1) a robot
    - (2) persons who act without intelligence
    - (3) machines to save human labour.

12. (a) Read the following advertisement published in 'The Hindu' and write a letter of application. Enclose your resume with the letter of application. (16)

**South Asia Technologists**  
**We require 'Software Engineers'**

- ❖ Educational qualification: B.E./ B.Tech. / M.Sc. (Software Engineering)
- ❖ Experience Minimum 3 years.

Send your application to:  
HR Manager  
South Asian Technologists  
73, Mount Road  
Chennai - 2

Or

- (b) Imagine that your friend is studying in a Medical college. He wants to know about your college life. Write a letter to your friend explaining the details such as the syllabus of your course, laboratories, libraries, hostels, canteen, and other facilities available in the college campus. (16)
13. (a) E commerce or online buying is very popular these days. Compare online buying with traditional buying. Write your argument in two paragraphs of 150 words each.

Or

- (b) Countries have sent space rovers to Mars. How will life be if man goes to colonise the planet, Mars?
14. (a) Bharat Textile mill, Kanpur, manufactures several kinds of cotton and synthetic clothes. For the last five years, there has been a gradual decline in profits owing to various causes, including fall in sales. The managing Director has asked the marketing manager to investigate the causes, make suitable recommendations and submit report. Assuming yourself to be the marketing manager, prepare an outline for this report.

Or

- (b) The Clean Food Products Ltd, Kanpur has decided to provide internet surfing facilities to all its employees. As the managing Director of this company, draft a memo to be circulated among all the Divisional Heads containing the following details:  
The location, number of computers to be made available, timings and procedure for lodging complaints if any.
15. (a) Write two paragraphs describing two famous cities you have visited. (16)

Or

- (b) Write two paragraphs describing the importance of tourism and its benefits. (16)