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**Question Paper Code : 77179**

B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2015.

Second Semester

Marine Engineering

HS 6252 — TECHNICAL ENGLISH FOR MARINE ENGINEERING – II

(Regulations 2013)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Match the words in column 'A' with their meanings in column 'B'. ( $4 \times \frac{1}{2} = 2$ )

A	B
coagulum	Something included with a letter in the same package
enclosure	Reservoir where water is collected and stored
catchment	Required by written law or legislation
Statutory	Thick sticky solid mass

2. Fill in the gaps with suitable prepositions choosing from the list given below. ( $4 \times \frac{1}{2} = 2$ )

*to, through, for, of*

Language is a vehicle \_\_\_\_\_ thought or rather a medium used \_\_\_\_\_ communication. The desire to communicate with other human beings has given birth \_\_\_\_\_ language. Animals too can communicate \_\_\_\_\_ noises.

3. Make sentences expressing purpose using the hints given below. One example is done for you. ( $2 \times 1 = 2$ )

Example: Photocopier: Obtain multiple copies of an original document

Aim: A photocopier is used to obtain multiple copies of an original document / for obtaining multiple copies of an original document. (Or) The purpose of a photocopier is to obtain multiple copies of an original document.

- |                   |   |                              |
|-------------------|---|------------------------------|
| (a) An experiment | : | demonstrate a principle      |
| (b) Barometer     | : | measure atmospheric pressure |
| (c) Camera        | : | take photographs             |
| (d) A thesaurus   | : | find synonyms of words       |

4. Define any two of the following. (2 × 1 = 2)
- Artificial Intelligence
  - UPS
  - Multimedia
5. Replace the underlined phrase with an adverb : (4 ×  $\frac{1}{2}$  = 2)
- He revised all his lessons in a thorough manner before going for the exam.
  - The mother watched with hope as the doctor came out of the surgery after operating on her child.
  - When you meet the guests, you must talk to them in a courteous manner.
  - The security looked into the car with suspicion before opening the gate.
6. Rewrite the following numerical expressions using them as adjectives : (4 ×  $\frac{1}{2}$  = 2)
- a play of three acts
  - a pipe that is five feet long
  - a journey of 50 kilometres
  - a tank with a capacity of 1500 litres
7. Join the causes in column 'A' with the effects in column 'B' using cause and effect expressions like 'because', 'due to' 'owing to' etc. (4 ×  $\frac{1}{2}$  = 2)
- | A  | B  |
|--|--|
| (a) Many forests have been destroyed.                | There are traffic jams very often on the city roads. |
| (b) The roads in the city are very narrow.           | The roads are waterlogged.                           |
| (c) There was a heavy rain last night.               | There are frequent power cuts in the city.           |
| (d) Power supply from the power plant is inadequate. | Animals are losing their habitat.                    |
8. Fill in the blanks with suitable forms of the verbs given in brackets. (4 ×  $\frac{1}{2}$  = 2)
- Northern India, and more especially that part of Northern Pakistan known as Baluchistan, \_\_\_\_\_ (be) a particularly active seismic area. In Baluchistan one of the greatest earthquake disasters of modern times \_\_\_\_\_ (occur) in 1935, when the town of Quetta was destroyed around 30,000 people \_\_\_\_\_ (lose) their lives. Today, Quetta is the home of a geophysical observatory where scientists \_\_\_\_\_ (make) a special study of earthquakes.

9. Make two sentences with any one of the following words using them as a noun and as a verb. (2 × 1 = 2)
- (a) rebel
  - (b) Import
  - (c) Repair
10. Rewrite the following sentences using imperative verbs. One example is done for you. (2 × 1 = 2)
- Eg. Parking in this street is prohibited. *Do not park in this street.*
- (a) Smoking is banned in the campus.
  - (b) Picking flowers is not permitted.
  - (c) You are requested to leave mobiles and cameras at the security counter.
  - (d) Project reports should be submitted on time.

PART B — (5 × 16 = 80 marks)

11. Answer both the subdivisions (a) and (b) :
- (a) Read the passage and answer the questions given below :

According to a 2007 statement before the Subcommittee on Horticulture and Organic Agriculture Committee of the U.S. House of Representatives by May R. Berenbaum, Professor and Head, Department of Entomology at the University of Illinois Urbana-Champaign, pollination by native bees was recently estimated to be worth 3 billion dollars annually in the United States. Other sources estimate pollination to be a 15 billion dollar industry worldwide.

Moreover, approximately 3/4 of the 250,000 + species of flowering plants rely on their insect partners – pollinators – for the vital natural process which transfers pollen grains to receptive female plants to effect fertilization.

However, up to 80% of honeybees in 35 states have suddenly, inexplicably vanished, baffling entomologists, beekeepers, farmers, and governments. About 10% of 2.4 million hives disappeared in the U.S. in late 2006 and early 2007 in an enigmatic calamity that has been named “colony collapse disorder,” or CCD. This mysterious killer has wiped out hives in the U.S. and overseas — in Italy, Poland, Portugal, Central, South America, and Croatia. Some have theorized that cell phones disrupt the ability of the insects to navigate — the bees leave the hive, never to return. Others have surmised that a bee virus corresponding to HIV in

humans has somehow inculcated itself into the honeybee population. Still others have laid the blame on pesticides, most notably a neurotoxin called imidacloprid — IMD, which has been shown by French researchers to cause disorientation among honeybees. IMD also affects the ability of bees to forage, affecting hive activity. While most French and some American beekeepers consider IMD to be a major suspect in CCD, their opinion is not corroborated by American researchers. U.S. scientists continue to pursue the cause, or amalgam of causes, of the disorder. On September 7, 2007, American researchers reported in the journal *Science* that a newly discovered virus, the Israeli acute paralysis virus, may be a suspect in the catastrophic loss of honeybees. Meanwhile, U.S. beekeepers are urgently requesting expeditious resolution to the crisis in the form of emergency research funding.

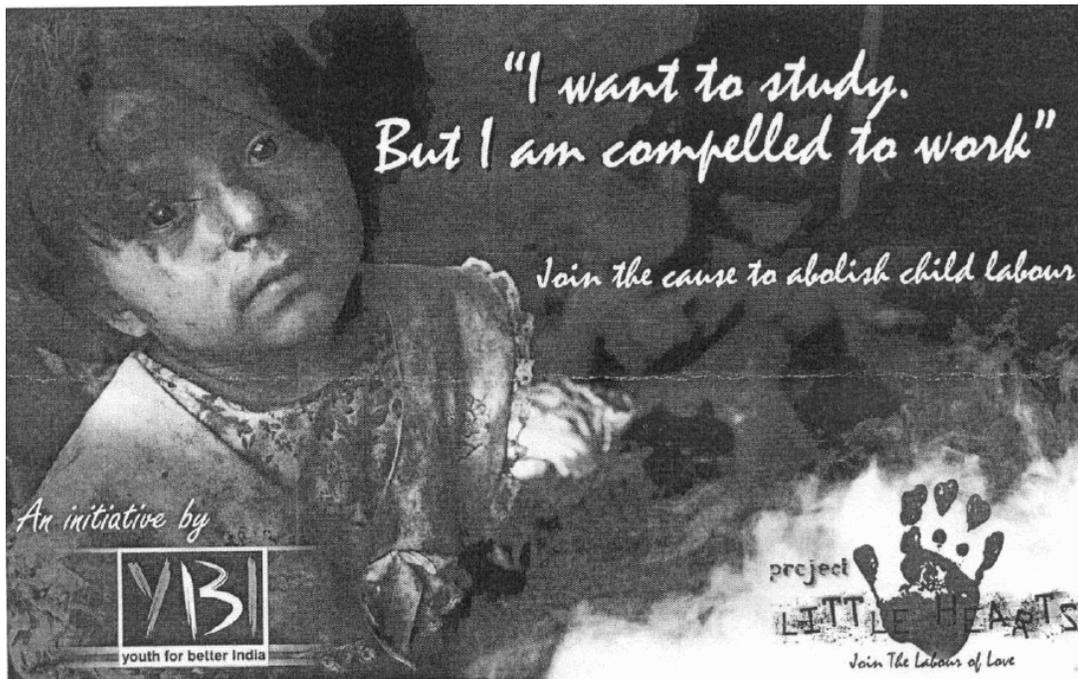
The impact of CCD is almost unfathomable. One—third of all food is provided by the pollination of honeybees. In a world without honeybees, there would be almost no fruits or vegetables, except for those hand—pollinated by humans. At their current rate of disappearance, honeybees will cease to exist by the year 2035.

Reading Comprehension questions: (8 × 1 = 8)

- (i) It can be inferred from the passage that the U.S. pollination industry is
- (1) the top industrial pollinating nation in the world.
  - (2) the second pollinating nation in the world.
  - (3) among the top three pollinating nations in the world.
  - (4) among the top four pollinating nations in the world.
  - (5) among the top five pollinating nations in the world.
- (ii) Based on the passage, what does CCD cause bees to do?
- (1) Bees no longer leave their hives.
  - (2) Bees bring a virus back to the hive.
  - (3) Bees get lost and stop pollinating.
  - (4) Bees become very active and exhausted.
  - (5) Bees suddenly, inexplicably attack their hive mates.
- (iii) In the passage *enigmatic* means
- |                |               |
|----------------|---------------|
| (1) mysterious | (2) intensive |
| (3) energetic  | (4) extensive |
| (5) massive    |               |

- (iv) In the context of the passage *surmised* means
- (1) surprised
  - (2) assumed
  - (3) predicted
  - (4) appreciated
  - (5) guessed
- (v) Which of the following is not considered by scientists to be a reason for CCD?
- (1) Disruption of navigation by cell phones
  - (2) Lack of research funding
  - (3) A bee virus that is the similar to the HIV
  - (4) Disorientation caused by the use of pesticides
  - (5) Combination of many factors like cell phones, bee virus and pesticides
- (vi) Which of the following statements about bees is not true?
- (1) 75% of the plant species depend on bees for pollination
  - (2) CCD has wiped out bee species in North and South America and Europe
  - (3) CCD has no impact on the world
  - (4) More than 3/4 of the bee population in USA have been wiped out by CCD
  - (5) Over a third of the world's food is provided by bee pollination
- (vii) Which of the following statements about CCD research is true?
- (1) US and French researchers are jointly researching CCD.
  - (2) US beekeepers are funding CCD research
  - (3) US researchers have confirmed the theories of the French researchers
  - (4) French researchers believe that a virus is responsible for CCD
  - (5) French and US researchers do not agree about the cause of CCD
- (viii) CCD occurred in the
- (1) early 21st century
  - (2) late 20th century
  - (3) early 20th century
  - (4) late 21st century
  - (5) mid 21st century

- (b) Look at the following poster and answer the questions that follow :



- A. Choose the correct option for the following questions. (5 × 1 = 5)
- (i) Who is the target audience for this poster?
- (1) child labourers (2) youth  
(3) general public (4) children
- (ii) Who is "I" in the poster?
- (1) child labourer (2) heart specialist  
(3) poster creator (4) student
- (iii) What is the message of this poster?
- (1) promote heart donation  
(2) make India a better place  
(3) join the labour force  
(4) eliminate child labour
- (iv) The phrase "Join the labour of love" implies that people who join the initiative lose
- (1) To labour  
(2) Children  
(3) The idea of child labour  
(4) India

- (v) The initiative is called
- (1) Youth for Better India
  - (2) Labour of Love
  - (3) Project Little Hearts
  - (4) I want to study

B. Write a set of three recommendations to abolish child labour and help such poor children. (3 × 1 = 3)

12. (a) You are going to a University in Japan on an exchange program for six weeks. Prepare a checklist of eight items to check before starting on your trip. (16)

Or

- (b) Your friend is borrowing your laptop for his project. Prepare a set of eight instructions for him to follow to maintain your laptop. (16)

13. (a) Prepare an application letter and resumé in response to the following. (16)

Blue Sea Cruiser is a global luxury cruise company. We are currently recruiting for the position of Marine Engineer for operational support on board the Blue Mermaid, one of high end Luxury cruisers.

*Salary:* Negotiable

*Job Description :* The position as Marine Engineer for operational support serves the purpose of handling the actual operation of the cruiser. Incumbent should be a Marine engineer with at least 6 months of experience within the Marine Industry. Interested candidates may send in their application with resume to The HR Manager, Blue Sea Cruiser, 42, First Cross Lane, Chennai –600041.

Or

- (b) Write a letter of application with CV to the HR Manager of Oceana Shipping in response to their advertisement calling for applications for Engine Maintenance Engineers to work in their container ship engine room. (16)

14. (a) A container ship belonging to Horizon Shipping Company carrying goods worth Rs.50 lakhs was delayed at the Chennai port for more than two weeks. As a result the shipper suffered a loss of around Rs.6 lakhs. This in turn has resulted in a penalty for your shipping company. As the Quality Control Engineer you have been asked to submit a report of the incident to the General Manager. Prepare a report in about 300 words on the reasons for the delay and your recommendations to prevent such incidents in future. (16)

Or

- (b) A passenger was found dead in his cabin on board Sea Flower Luxury Liner. It was an accident for which your liner is not really responsible but has to face queries from the police. Write a report in about 300 words to the General Manager about how it happened and what can be done to prevent such accidents in future. (16)
15. (a) Do we in India really enjoy freedom of expression? Write an essay in about 300 words giving arguments in support of your opinion. (16)

Or

- (b) Youngsters today are living their lives in the virtual world and have lost touch with the real world. Do you agree? Write an essay in about 300 words giving specific reasons and examples to support your opinion. (16)

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