

Question Paper

Exam Date & Time: 15-May-2018 (09:30 AM - 12:30 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

**INTERNATIONAL CENTRE FOR APPLIED SCIENCES
FIRST SEMESTER B.S. (ENGG)
END-SEMESTER THEORY EXAMINATIONS MAY - 2018
DATE: 15.05.2018
TIME: 9:30AM TO 12:30PM
Composition [EN 111]**

Marks: 100

Duration: 180 mins.

Answer 5 out of 8 questions.

- 1) Read the following passage and answer the questions that follow: ⁽¹⁰⁾
A)

Every autumn, when recruitment of new graduates and school leavers begins, major cities in Japan are flooded with students hunting for a job. Wearing suits for the first time, they run from one interview to another. The season is crucial for many students, as their whole lives may be determined during this period. In Japan, lifetime employment is commonly practiced by large companies. While people working in small companies and those working for sub-contractors do not in general enjoy the advantages conferred by the large companies, there is a general expectation that employees will in fact remain more or less permanently in the same job.

Unlike in many Western countries where companies employ people whose skills can be effective immediately, Japanese companies select applicants with potential who can be trained to become suitable employees. For this reason, recruiting employees is an important exercise for companies, as they invest a lot of time and money in training new staff. This is basically true both for factory workers and for professionals. Professionals who have studied subjects which are of immediate use in the workplace, such as industrial engineers, are very often placed in factories and transferred from one section to another. By gaining experience in several different areas

and by working in close contact with workers, the engineers are believed, in the long run, to become more effective members of the company. Workers too feel more involved by working with professionals and by being allowed to voice their opinions. Loyalty is believed to be cultivated in this type of egalitarian working environment.

Because of this system of training employees to be all-rounders, mobility between companies is low. Wages are set according to educational background or initial field of employment, ordinary graduates being employed in administration, engineers in engineering and design departments and so on. Both promotions and wage increases tend to be tied to seniority, though some differences may arise later on as a result of ability and business performance. Wages are paid monthly, and the net sum, after the deduction of tax, is usually paid directly into a bank account. As well as salary, a bonus is usually paid twice a year. This is a custom that dates back to the time when employers gave special allowances so that employees could properly celebrate *bon*, a Buddhist festival held in mid-July in Tokyo, but on other dates in other regions. The festival is held to appease the souls of ancestors. The second bonus is distributed at New Year. Recently, bonuses have also been offered as a way of allowing workers a share in the profits that their hard work has gained.

Many female graduates complain that they are not given equal training and equal opportunity in comparison to male graduates. Japanese companies generally believe that female employees will eventually leave to get married and have children. It is also true that, as well as the still-existing belief among women themselves that nothing should stand in the way of child-rearing, the extended hours of work often do not allow women to continue their careers after marriage.

Disappointed career-minded female graduates often opt to work for foreign firms. Since most male graduates prefer to join Japanese firms with their guaranteed security, foreign firms are often keen to employ female graduates as their potential tends to be greater than that of male applicants.

Some men, however, do leave their companies in spite of future prospects, one reason being to take over the family business. The eldest sons in families that own family

companies or businesses such as stores are normally expected to take over the business when their parents retire. It is therefore quite common to see a businessman, on succeeding to his parents' business, completely change his professional direction by becoming, for example, a shopkeeper.

On the job, working relationships tend to be very close because of the long hours of work and years of service in common. Social life in fact is frequently based on the workplace. Restaurants and *nomi-ya*, "pubs", are always crowded at night with people enjoying an evening out with their colleagues. Many companies organize trips and sports days for their employees. Senior staff often play the role of mentor. This may mean becoming involved in the lives of junior staff in such things as marriage and the children's education.

The average age of retirement is between 55 and 60. For most Westerners, retirement may be an eagerly awaited time to undertake such things as travel and hobbies. Many Japanese, however, simply cannot get used to the freedom of retirement and they look for ways of constructively using their time. Many look for new jobs, feeling that if they do not work they will be abandoned by society. This has recently led to the development in some municipalities of municipal job centers which advertise casual work such as cleaning and lawn mowing. Given that Japan is facing the problem of an increasingly ageing society, such activities may be vital in the future.

- i) What is that the large companies provide to the employees in particular?
- ii) How are the Japanese companies different from the western companies?
- iii) What does the word "egalitarian" mean in the passage?
- iv) What is the fate of the people who find themselves immediate use of their knowledge?
- v) Mention one reason why people in Japan want to be employed even in their latter part of life.
- vi) What in the passage gives readers a feeling that personal and professional relationships in Japan are not mutually exclusive?
- vii) How does a foreign company benefit from the attitude of Japanese companies towards women?

- viii) Why is it common to see a businessman on taking over his parents business change their professional direction?
- xi) Give a title that best expresses the idea of the passage.
- x) What line best in the passage the idea that Japanese don't change from one company to the other for more opportunities?

B) Correct and rewrite the following sentences if necessary: (10)

- i) My English teacher has been living in Italy for fifteen years.
- ii) I am afraid I don't have the informations that you wanted.
- iii) We're used to have a lot of work to do, so meeting the deadline won't be a problem.
- iv) Yesterday, he told me that he will send the mail after lunch, but he didn't do it.
- v) The last year I didn't know much English.
- vi) She recommended me that I take a few days off from work.
- vii) Mark says he stopped to travel internationally because of his family.
- viii) I am a Doctor. So do I?
- ix) I am glad we are practicing grammar. I do a lot of mistakes.
- x) Age and experience bring wisdom to human beings.

2) A well-known American university has offered scholarship to the meritorious students of ICAS. You wish to avail the scholarship and pursue your studies in that university. (20)

Prepare a statement of purpose (SOP) of about 300-350 words stating why you deserve to be selected.

3) Frame sentences using the following pairs of words so as to distinguish between the meanings. (5)

- A) i. Alter/Altarii. Effect/Affect iii. Course/Coarse iv. Insure/Ensure v. Foreword/Forward

B) A well-known American university has offered scholarship to the meritorious students of ICAS. You wish to avail the scholarship and pursue your studies in that university. Prepare a Resume/CV to be submitted along with your SOP. The resume should include your personal details and other details. (15)

4) Read the following passage: (20)
Conventional paraffin based jet fuels is solely derived of petroleum and are, in addition to serving as a fuel source,

designed to act as coolants for the engines and also electrical parts of the aircraft at the temperatures of to 300°C. Lately there has been a driving force towards the development of jet planes that can operate in speeds reaching several Mach. The increased heat load generated by friction with an air on the body of the jet plane, the need for compressed air during combustion and higher rate of fuel injection into the engine will result in the fuel experienced extreme temperatures when acting as coolants. These temperatures can reach levels around 500°C or above, and can result in severe coking of the fuel in the fuel-line although the contact time will be on the order of a few seconds. This problem has been identified especially for paraffinic based jet fuels, while naphthenic based jet fuels with the natural contents of hydrogen donor compounds have shown improved thermal stability at these high temperatures. Correspondingly, feedstocks that can yield both naphthenes and hydrogen donor compounds will yield jet fuels with improved thermal stabilities. Pyrolysis of coal generates tars and liquids with a high content of aromatic compounds. From the pyrolysis product a stream with a tailored composition of aromatic compounds could be obtained. Hydrotreating and hydrogenation of such streams can yield naphthenic (cycloalkane-rich) liquids that have jet fuel characteristics. One such example is refined chemical oil (RCO) that is obtained from coal tar from by-product coke ovens. Although aromatic streams can also be obtained from petroleum, such as light cycle oils, the high degree of alkylation of the aromatic rings lowers the thermal stability of the hydro-treated products from these streams compared to that coal derived streams. Partial hydro-treatment of the aromatic streams from coal pyrolysis generate streams high in hydrogen donor compounds, such as tetralin, that could either be used as a fuel on its own, or used as thermal stability boosters from paraffinic derived fuels from petroleum or synthesized from coal gasification products. In addition into, fully saturated naphthenic streams may also show high thermal stability in itself, or when partially mixed with an hydrogen donor containing stream. (370 words)

4A. Rewrite the passage correcting the errors and underline the corrections made.

(There are no punctuation errors.)

4B. Write a summary of the given passage (around 1/3 of its length)

4C. Punctuate the following:

tonight after 54 hard fought contests our primary season has finally come to an end sixteen months have passed since we first stood together on the steps of the old state capitol in springfield illinois thousands of miles have been traveled millions of voices have been heard and because of what you said because you decided that change must come to washington because you believed that this year must be different than all the rest because you chose to listen not to your doubts or your fears but to your greatest hopes and highest aspirations tonight we mark the end of one historic journey with the beginning of another a journey that will bring a new and better day to america tonight i can stand before you and say that i will be the democratic nominee for president of the united states

4D. Write a paragraph on "It is never too late"

(5+5+5+5)

5) Answer ANY TWO of the following: (20)

- a. Comment on the plot of the novel 'Atlas Shrugged'.
- b. How does the writer bring about Objectivism in the novel 'Atlas Shrugged?'
- c. What is the significance of the title 'Atlas Shrugged' (10+10)

6) Answer ANY TWO of the following: (20)

- a. What is the significance of the Party controlling History and Information in the novel 1984?
- b. Comment on the Winston's helplessness in the morbid situation in the novel?
- c. Why according to you does the author propose language control by the Party in the novel?

(10+10)

- 7) Write an argumentative essay (on ANY ONE of the following) in about 500 to 600 Words. (20)
- a. Is Television stronger than ever or has it become obsolete?
 - b. College education is necessary for success. Do you agree? Give reasons
- 8) Write an expository essay (on ANY ONE of the following) in about 500 to 600 words. (20)
- a. How do you think we could end the cult of violence prevailing in Indian society?
 - b. Role of freedom of expression in a democratic country like India.

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