6051

BOARD DIPLOMA EXAMINATION, (C–16)
MARCH/APRIL—2018
DME—FIRST YEAR EXAMINATION

ENGLISH

Time : 3 hours]   [*Total Marks* : 80

PART—A   3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. How can you improve your English? Write at least three tips.

2. Rewrite the following sentences as directed in the brackets :

(a) Ask your friend to get a notebook from the market.

(Make a request)

(b) Take care of your health.

(Convert it into an obligation)

(c) Your sister bought a mobile as a gift for you.

(Write a sentence expressing your feelings)

3. You want to visit the electrical substation. Fix an appointment with the station engineer to permit your class to visit.

4. Fill in the blanks with suitable prepositions :

(a) The train went _____ the tunnel.

(b) The test will commence _____ 10 a.m.

(c) He threw the wastepaper _____ the basket.

5. Fill in the blanks with proper tense form :
When I _____ (reach) the station, the train _____ (leave) the platform. I missed the train. I _____ (go) by bus tomorrow.

6. Change the voice of the following sentences :

(a) Mr. Rao teaches us English.

(b) The Taj Mahal was built by Shah Jahan.

(c) Pranav is painting a picture.

7. Write a sentence each in the following sentence patterns :

(a) S + V

(b) S + V + IO + DO

(c) S + V + O

8. *(a)* He met an old man in the theatre.

(Frame a question with 'Where')

(b) Sachin played well. (Frame a question with 'How')

(c) Revathi speaks Hindi. (Frame Yes-No question)

9. *(a)* Aruna said to Madhavi, "I am preparing for GRE".

(Change into reported speech)

(b) Puneeth said that he had scored a century in his first match.

(Change the narration)

(c) Teacher said to students, "You will have a slip test tomorrow."

(Change into indirect speech)

10. Correct the following sentences :

(a) Venkat is going to temple everyday.

(b) We have seen a movie yesterday.

(c) Jacinth is living in Ananatapur since 2013.

Instructions : (1) Answer *any* **five** questions.

(2) Question No. **18** is compulsory.

(3) Each question carries **ten** marks.

(4) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. Fill in the blanks with suitable words given from the list in the brackets :

(commissioned, Yamuna, marble, project, guidance, mosque, wife, employed, cost, approximately, visitors, city)

The Taj Mahal is an ivory-white _____ mausoleum on the south bank of the _____ river in the Indian city of Agra. It was _____ in 1632 by the Mughal emperor, Shah Jahan (reigned 1628–1658), to house the tomb of his favourite _____ Mujmtaz Mahal. The tomb is the centre piece of a 17-hectare (42-acre) complex, which includes a _____ and a guest house, and is set in formal gardens bounded on three sides by a crenellated wall.

Construction of the mausoleum was essentially completed in 1643 but work continued on other phases of the _____ for another 10 years. The Taj Mahal complex is believed to have been completed in its entirety in 1653 at a _____ estimated at the time to be around 32 million rupees, which in 2015 would be _____ 52·8 billion rupees (US$827 million). The construction project _____ some 20000 artisans under the _____ of a board of architects led by the court architect to the emperor, Ustad Ahmad Lahauri.

* 12. Write a set of instructions to prepare a cup of tea.

13. *(a)* Frame three 'Yes' or 'No' questions and two 'Wh' questions from the following paragraph :

George Bishop is a writer. He lives in North Carolina. He wrote two novels. He plays tennis everyday. He visited India in 2015 to train the English faculty.

(b) Correct the following sentences :
(i) Anand is a cleverest boy in our class.
(ii) The students are playing in the field since 4 p.m.

(iii) My father is going to office everyday.

(iv) Anitha is suffering with fever.

(v) Sudhakar distributed his property among his two sons.

14. Write a paragraph describing your native place.

15. Prepare a Resume for Rachamallu Srinivas, B.Tech (Chemical Engineering) aged 23, applying for the post of Chemist in Robochem Ltd., Bangalore.

16. Write a letter to your sister encouraging her to participate in sports and games.

17. Make a note on the following :

The Internet of things (IoT) is the internetworking of physical devices, vehicles (also referred to as 'connected devices' and 'smart devices'), buildings and other items embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data. In 2013, the Global Standards Initiative on Internet of Things (IoT-GSI) defined the IoT as 'the infrastructure of the information society'. The IoT allows objects to be sensed and/or controlled remotely across existing network infrastructure, creating opportunities for more direct integration of the physical world into computer-based systems, and resulting in improved efficiency, accuracy and economic benefit. When IoT is augmented with sensors and actuators, the technology becomes an instance of the more general class of cyber-physical systems, which also encompasses technologies such as smart grids, smart homes, intelligent transportation and smart cities. Each thing is uniquely identifiable through its embedded computing system but is able to interoperate within existing Internet infrastructure. Experts estimate that the IoT will consist of almost 50 billion objects by 2020.

Typically, IoT is expected of offer advanced connectivity of devices, systems, and services that goes beyond machine-to-machine (M2M) communications and covers a variety of protocols, domains, and applications. The interconnection of these embedded devices (including smart objects), is expected to usher in automation in nearly all field, while also enabling advanced applications like a smart grid, and expanding to the areas such as smart cities. IoT is also expected to generate large amounts of data from diverse

locations, with the consequent necessity for quick aggregation of the data, and an increase in the need to index, store, and process such data more effectively. IoT is one of the platforms of today's Smart City, and Smart Energy Management Systems. The term 'Internet of Things' was coined by Peter T. Lewis in September 1985 in a speech he delivered at a US Federal Communications Commission (FCC) supported session at the Congressional Black Caucus 15th Legislative Weekend Conference.

18. Read the following paragraph carefully and answer the questions that follow :

There are many reasons to use alternative energy sources. One main reason is to reduce pollutants and greenhouse gases. Alternative or renewable energy sources help to reduce the amount of toxins that are a result of traditional energy use. These alternative energy sources help protect against the harmful by-products of energy use and help to preserve many of the natural resources that we currently use as energy sources. There are many alternative energy sources : wind power, solar power, geothermal power, and hydroelectric power are some examples. Wind Power : Wind power is the ability to capture the wind in a way to propel the blades of wind turbines. When the blades rotate, this movement is switched into electrical current with the help of an electrical generator. In 2005, the worldwide use of wind-powered generators was less than 1% of all of the electricity use combined. There are several advantages of this energy source : there is no pollution, it never runs out, farming and grazing can still take place on the same land as the wind turbines, and wind farms can be built anywhere. One disadvantage is that you need a consistent wind to get enough power. If the wind speed decreases, less electricity is produced. Large wind farms can also have a negative visual effect for people who live nearby. Solar energy is used for heating, cooking, making electricity, and even taking salt out of saltwater so the water can be drinkable and used for additional purposes that do not need the salt. Solar power uses sunlight that hits the solar thermal panels to convert the sunlight to heat either air or water. One advantage of solar power is that it is renewable. As long as there is sunlight, you will be able to harness the power from it. Geothermal Energy : Geothermal means 'earth heat'. Hydroelectric energy is the power that comes from the potential energy of water

that is dammed up supplies energy to a water turbine and generator. Another example of this energy is to make use of tidal power. Today, electric generators can be powered by hydro power that can run backwards as a motor to pump water for later use. An advantage is that you can control the use of the energy by controlling the water. You can also generate water all the time as there are no outside forces that prevent this from happening. Furthermore, there is no pollution in using this type of energy. In fact, you can reuse the water that is used for hydroelectric power. The disadvantages are that dams are expensive to build and maintain. There also needs to be a powerful enough supply of water in the area to produce energy.

(a) What is the main reason to use alternative energy source?

(b) List out the alternative energy sources.

(c) What are advantages of wind power?

(d) What are the disadvantages of hydro power?

(e) Pick out the word that is equal in meaning of the phrase 'pertaining to heat' from the given passage.

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