

FIRST SEMESTER DIPLOMA EXAMINATION IN ENGINEERING AND  
TECHNOLOGY/COMMERCIAL PRACTICE / MANAGEMENT  
(Common to all Diploma Programmes)

**COMMUNICATION SKILLS IN ENGLISH**  
**MODEL QUESTION PAPER**

Time: 3 hours

Maximum Marks: 75

**PART A**

I. Read the following excerpts and answer the questions that follow:			
1	<p>‘Do you know a great load is gone from me today? I thought I had the blood of a man on my hands all these years. That was the reason that I ran away from my home, settled here and married you. He is alive’</p> <p>a. What does ‘blood of a man on one’s hands’ mean? (1)</p> <p>b. Whom did the astrologer try to kill one day and why? (2)</p> <p>c. The darkness load that was inside the astrologer has disappeared. Critically justify this statement. (3)</p>	MO3.02 MO3.01 MO3.01	R R A
2	<p>“My little horse must think it <b>queer</b> / To stop without a farmhouse near”</p> <p>a. Write a synonym for <b>queer</b>. (1)</p> <p>b. Why does the poet stop without any farmhouse nearby? (2)</p> <p>c. Analyse why the poet decides to continue the journey event though he wishes to stay back. (3)</p>	MO2.02 MO2.01 MO2.01	R R A
3	<p>“I watched the flame feeding on my mother / I watched the holy man perform his rites to tame the poison with an <i>incantation</i>”.</p> <p>a. I watched the ..... of the holy man. (Fill in the blanks using the correct form of the word ‘perform’). (1)</p> <p>b. Bring out the meaning of the line ‘I watched the flame feed on my mother’? (2)</p> <p>c. How relevant is the poem in the present day? (3)</p>	MO4.02 MO4.01 MO4.01	R R A

4	“When Della arrived home her excitement faded to a little <b><u>prudence</u></b> and reason.”		
	a. Pick out from the choices given the antonym of the word underlined.(sadness, unwise, happiness) (1)	MO1.02	R
	b. Why did Della’s excitement fade on arriving home? (2)	MO1.01	R
	c. “True love is an act of self-sacrifice.” Comment with reference to the short story ‘The Gift of the Magi.’ (3)	MO1.01	A

## PART B

<p>II. Read the passage given below and answer the questions that follow:</p>		
<p style="text-align: center;"><b><u>3D Construction Printing</u></b></p> <p>3D Construction Printing is considered to be a revolutionary construction method which can replace traditional construction techniques. 3D Construction Printing refers to various technologies that use 3D printing as a core method to fabricate buildings or construction components. It is also known by alternate names such as additive construction, Autonomous Robotic Construction System (ARCS) or Freeform Construction. 3D printing technology is used in the fabrication of housing, construction components, bridges, civil infrastructure, artificial reefs and sculptures.</p> <p>The 3D Print Canal House was the first full-scale construction project of its kind to get off the ground. The first residential building in Europe constructed using the 3D printing construction technology, was the home in Yaroslavl (Russia) with the area of 298,5 sq. meters. The first pedestrian bridge printed in 3D in the world (3DBRIDGE) was inaugurated 14 December 2016 in Spain. In August 2018 in Palekh (old town in Russia) was the world's first application of additive technology for creating the fountain. India’s first 3D printed house with a built in area of 600 sqft was inaugurated in IIT Campus, Chennai on April 27, 2021.</p> <p>3D construction technology has many benefits. Traditional construction is tedious and time-consuming whereas 3D construction technology offers greatly reduced production time. This is because the machines themselves are very fast, some of them are capable of manufacturing 600 to 800-square-foot home in just 24 hours. Another advantage of using 3D printing in the construction industry is saving a lot of production costs on material waste. This is because a 3D printer, such</p>		

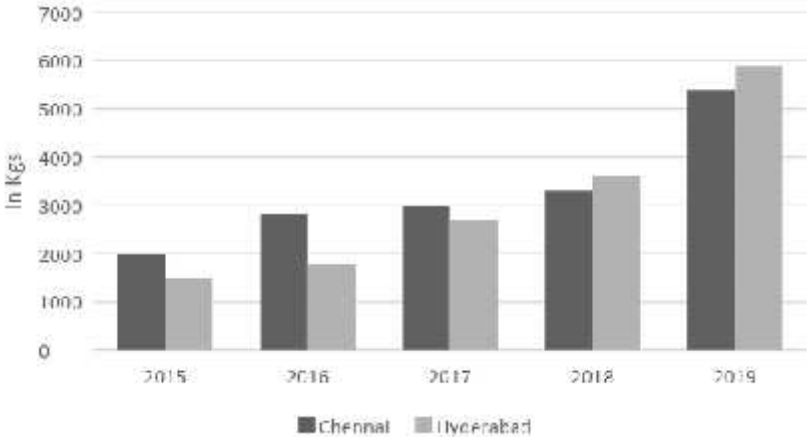
	as robotic arms, uses exactly the amount of material they need. This significantly reduces the waste produced. Not only that, but they are also capable of using recycled materials. 3D printers are also fully automated, which eliminates human error. It also allows for greater accuracy and innovative designs. No doubt, 3D construction printing technology is considered to be the future of architecture.		
1	Which among the given words is not an equivalent of 3D Construction Printing? (ARCS, Offset Printing, Free form printing) (1)	MO1.01	U
2	Where was India's first 3D printed house built? (1)	MO1.01	R
3	How is 3D construction printing beneficial to the environment? (2)	MO1.01	U
4	Pick out from paragraph 3 of the passage words which mean a. Tiresome      b. remove (1 x 2 = 2)	MO1.01	U
5	Prepare a summary of the passage 3D Construction Printing in note form (4)	MO1.01	A
III. Report the following conversation between John, the Purchase Manager and Pramod his assistant:			
<p>John: We have to place the purchase order for cartridges tomorrow.  Pramod : Sure sir  John : How many cartridges are needed in total?  Pramod: We need seven cartridges for the IT wing and two for the dispatch section.  John: Are there any cartridges left in stock?  Pramod : No sir  John: Send an email immediately to me specifying the requirement  Pramod : Sure sir. I will definitely do that</p> <p>John informed Pramod that .....(a)..... and asked him .....(b).....Pramod replied that they needed seven cartridges for the IT wing and two for the dispatch section. John further enquired .....(c)..... When Pramod replied in the negative John wanted Pramod.....(d).....Pramod replied that he would definitely do that. (4x1=4)</p>		MO.4.03	A
IV. The following is the information provided to the customer from the courier office but there are errors in the tenses which are underlined here. Rewrite the sentences correcting the errors.			
We usually <u>delivered</u> (a) our orders on time. But since there <u>is</u> (b) a lockdown last week we could not deliver your order. Today our executive <u>was</u> (c) coming to your locality and he <u>is</u> (d) deliver your		MO.2.03	A

order soon.	(4x1=4)		
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### PART C

V	<p>Avinash Madhav has applied for the post of Data Analyst in Zeronics Computer Solutions, Trivandrum. Help him prepare a self-introduction to be presented at the interview. His details are given below.</p> <table><tr><td>Name:</td><td>Avinash Madhav</td></tr><tr><td>Educational Qualification:</td><td>Diploma in Electronics Engineering from Govt Polytechnic College, Thrissur.( 89%)</td></tr><tr><td>Additional Qualification:</td><td>Certificate course in CAD</td></tr><tr><td>Present job:</td><td>System Administrator, Zion Computer Solutions, Thrissur since 2019.</td></tr><tr><td>Hobbies:</td><td>Reading, Drawing</td></tr><tr><td>Languages Known:</td><td>Malayalam, Hindi and English</td></tr></table> <p>(4 Marks)</p>	Name:	Avinash Madhav	Educational Qualification:	Diploma in Electronics Engineering from Govt Polytechnic College, Thrissur.( 89%)	Additional Qualification:	Certificate course in CAD	Present job:	System Administrator, Zion Computer Solutions, Thrissur since 2019.	Hobbies:	Reading, Drawing	Languages Known:	Malayalam, Hindi and English	MO.1.3	U
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VI	<p>Describe in a paragraph the different steps involved in preparing the lathe machine before operating it. The steps are given below. The first sentence of the paragraph is done for you.</p> <ol style="list-style-type: none"><li>1. Press the E-stop</li><li>2. Clean and clear the lathe.</li><li>3. Secure the work piece.</li><li>4. Select and install the cutting tool.</li><li>5. Calculate the RPM (speed) for your cutter and material.</li><li>6. Use the hand wheel to rotate the chuck to check for collisions.</li><li>7. Turn the speed control to a low number.</li></ol> <p>The lathe machine has to be prepared before operating it. First of all, the E-stop button is pressed.....</p> <p>(4 Marks)</p>	MO.3.5	A												

VII	<p>Given below is a dialogue between a client and the technical expert of Abroin Computer Solutions, Ernakulam. Some parts of the conversation are missing. Complete the conversation using the prompts given in brackets.</p> <p>Client: Good morning, Is this Abroin Computer Solutions?</p> <p>Technical Expert: Good morning, Abroin Computer Solutions. How may I help you?</p> <p>Client: .....(wants to speak to the technical expert )</p> <p>Technical Expert: I am Ramesh Kumar, the technical expert. How can I help you?</p> <p>Client: .....( printer not working)</p> <p>Technical Expert: Let me know whether the laptop recognises the printer.</p> <p>Client: Yes. Very well, but it doesn't obey the command 'Print'</p> <p>Technical Expert: .....asks him if the printer light blinks).</p> <p>Client: Yes, it blinks.</p> <p>Technical Expert: .....( requests to reinstall the printer software)</p> <p>Client: ..... (Informs that he did it, still not working)</p> <p>Technical Expert: Don't worry sir, Our technical assistant will reach your house within half an hour. Thanks for calling.</p> <p>Client; Thank you Ramesh.</p> <p style="text-align: right;">(5 Marks)</p>	MO.4.5	A
VIII	<p>Given below is a paragraph on the causes of global warming in which certain sentences are missing. Complete the paragraph by supplying an appropriate title, the topic sentence, supporting details and concluding sentence.</p> <p>.....</p> <p>..... Man has been responsible for global warming since the start of agriculture. ....</p> <p>.....</p>	MO.4.6	A

	<p>.....</p> <p>..... The The contribution of man to global warming has increased by about 80% in the past twenty years. In conclusion, .....</p> <p>.....</p> <p>(5 Marks)</p>																				
IX	<p>You are the Sales Manager of Rohit Industries, a whole-sale manufacturer and distributor of steel valves. Using the information given below send an email to your distributor, Rebana Hardwares, informing them of your inability to supply the ordered items on time</p> <p><b>(Hints -Supply will be affected- indefinite strike of the labourers-inconvenience regretted.)</b></p> <p>(5 Marks)</p>	MO.03.5	A																		
X	<p>The data of a recent survey that was conducted to find out the total amount of hazardous waste collected from households in the cities of Chennai and Hyderabad from 2015 to 2019 is given below. Write an analytic paragraph for the bar chart in about 120 words.</p> <div><p>Total Hazardous Household Waste Collection</p><table><thead><tr><th>Year</th><th>Chennai</th><th>Hyderabad</th></tr></thead><tbody><tr><td>2015</td><td>2000</td><td>1500</td></tr><tr><td>2016</td><td>2800</td><td>1800</td></tr><tr><td>2017</td><td>3000</td><td>2700</td></tr><tr><td>2018</td><td>3400</td><td>3600</td></tr><tr><td>2019</td><td>5400</td><td>5900</td></tr></tbody></table></div> <p>(5 marks)</p>	Year	Chennai	Hyderabad	2015	2000	1500	2016	2800	1800	2017	3000	2700	2018	3400	3600	2019	5400	5900	MO.1.5	A
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XI	<p>Amin prepared the following power point slides for a presentation to be made on World Environment Day. Edit the slides to help him make an effective presentation. Prepare five slides for Amin.</p> <div data-bbox="285 380 1036 569"> <p>Pollution is the degradation of natural environment by external substances introduced directly or indirectly. Human health, ecosystem quality and aquatic and terrestrial biodiversity may be affected and altered permanently by pollution.</p> </div> <div data-bbox="285 585 1036 777"> <p>Pollution occurs when ecosystems cannot get rid of substances introduced into the environment. The critical threshold of its ability to naturally eliminate substances is compromised and the balance of the ecosystem is broken.</p> </div> <div data-bbox="285 791 1036 982"> <p>The sources of pollution are numerous. The identification of the different pollutants and their effects on ecosystems is complex. They result from natural disasters or human activity such as oil spills, chemical spills, nuclear accidents</p> </div> <div data-bbox="285 997 1036 1188"> <p>These can have terrible consequences on people and the planet where they live: destruction of the biodiversity, increased mortality of the human and animal species, destruction of natural habitat, damage caused to the quality of soil, water and air.</p> </div> <div data-bbox="285 1241 1036 1640"> <p>Preventing pollution and protecting the environment necessitate the application of the principles of sustainable development. We have to consider satisfying the needs of today without compromising the ability of future generations to meet their needs. This means that we should remedy existing pollution, but also anticipate and prevent future pollution sources in order to protect the environment and public health. Any environmental damage must be punishable by law and polluters should pay compensation for the damage caused to the environment. (5 marks)</p> </div>	MO.2.5	A
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