



WINTER– 2016 EXAMINATION

Model Answer

Subject Code: 17101

**Important Instructions to examiners:**

- 1) The answers should be examined by key words and not as word-to-word as given in the model answer scheme.
- 2) The model answer and the answer written by candidate may vary but the examiner may try to assess the understanding level of the candidate.
- 3) The language errors such as grammatical, spelling errors should not be given more importance. (Not applicable for subject English and Communication Skills.)
- 4) While assessing figures, examiner may give credit for principal components indicated in the figure. The figures drawn by candidate and model answer may vary. The examiner may give credit for any equivalent figure drawn.
- 5) Credits may be given step wise for numerical problems. In some cases, the assumed constant values may vary and there may be some difference in the candidate's answers and model answer.
- 6) In case of some questions, credit may be given by judgment on part of examiner of relevant answer based on candidate's understanding.
- 7) For programming language papers, credit may be given to any other program based on equivalent concept.

Q. No.	Sub Q. N.	Answer	Marking Scheme
1.	(a)	<b>Answer any <u>TEN</u> of the following in 2-3 sentences each:</b> <b>Why did Sudha Murthy advise Narayana Murthy to continue with the job?</b> <b>Ans:</b> Sudha Murthy advised Narayana Murthy to continue with the job because he would have to resign from his job in order to start a new company. Considering the financial condition of the family, this seemed impossible.	(20)  <b>02</b>
	(b)	<b>When does Ajay recall his teacher?</b> <b>Ans:</b> In early 1991, Ajay suffered a massive heart attack. This was the time when he recalled his teacher, Mrs. Sheila Kumar.	<b>02</b>
	(c)	<b>What are Dr. APJ Abdul Kalam's views on dreams?</b> <b>Ans:</b> Dr. Kalam says that we must dream big and follow our dreams. According to him, dreams are nothing but goals or mission in life. We should convert our goal and mission into success in spite of problems.	<b>02</b>
	(d)	<b>What is the effect of eating too much?</b> <b>Ans:</b> Eating too much food in one go drains the energy after some time. It also gives feeling of being bloated or deprived of energy. Therefore, to keep our energy evenly distributed, we should take small amounts of food at regular intervals.	<b>02</b>



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1.	(e)	<b>Mention two phrases of similar meaning ‘nothing is impossible’.</b> <b>Ans:</b> Following are the phrases of similar meaning ‘nothing is impossible’: 1) Where there is will, there is a way. 2) If you think you can, you can. 3) Whatever the mind conceives and believes it can achieve. <i>(Note: Students are expected to write any two phrases from given above.)</i>	02
	(f)	<b>State the steps to be taken to achieve a mature and integrated personality.</b> <b>Ans:</b> To achieve a mature and integrated personality, one should realize the potential as a human being. This can be achieved through personal fulfillment. One can learn to achieve and maintain a positive, optimistic and cheerful mental attitude in all the circumstances.	02
	(g)	<b>Why do some companies not desire to manufacture touch screen device?</b> <b>Ans:</b> Some companies do not desire to manufacture touch screen devices because it is expensive to manufacture and they are aware of the price of the device.	02
	(h)	<b>What is Sudha Murthy’s profile?</b> <b>Ans:</b> Sudha Murthy is a graduate of the Indian Institute of Science in Bangalore, which was considered as prestigious achievement. She was employed with Telco as a system analyst.	02
	(i)	<b>Compare the use of plastics by Indians, Europeans and Americans.</b> <b>Ans:</b> The average human in India uses 3 kg of plastic per person per year. That’s far lower than the European who consumes 60 kg per year and the American who consumes 80 kg. India being a populous country, the amount of plastic used is more.	02
	(j)	<b>Why do we need to keep our combs clean?</b> <b>Ans:</b> We need to keep our combs clean because dirt, oil, dry skin flakes and bacteria stay housed in the combs. In effect, we are brushing all those dirt over and over again. So keeping our combs clean is a must if you want to keep your hair clean.	02
	(k)	<b>Which incident taught Dr. Kalam the value of Planning, Teamwork and Time?</b> <b>Ans:</b> As per Prof. Srinivasan’s instructions, Dr. Kalam and his friends had to complete a workable project of designing low-level (low altitude)	





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2.	(c)	<p><b>Describe any other technological innovation you know.</b> <b>Ans:</b> An LED TV represents an advance technology. LED TVs are like LCD TVs. The difference is just that these new sets use LED backlights rather than the fluorescent-type backlights used in most LCD TVs. There are currently two main ways that LED backlighting is applied. One type of LED backlighting is referred to as Edge Lighting. In this method, a series LED backlights are placed along the outside edges of the screen. The light is then dispersed across the screen. The other type of LED backlighting is referred to as Full-Array (also referred to sometimes as Full LED or Direct Lit LED). In this method, several rows of LEDs are placed behind the entire surface of the screen.</p> <p>The new LED TV sets offer the following things: 1. Lower power consumption. 2. No Mercury used as in some other LCD backlight systems. 3. More balanced color saturation.</p>	04
	(d)	<p><b>How can a person with a positive attitude contribute to the society?</b> <b>Ans:</b> People with a positive attitude in life can contribute a lot to the welfare of the society by making a difference in their work and way of working. They can motivate and encourage the people to serve the society. Such people keep the society happy by their positive thinking. They can help the people to develop peace of mind in them. They are always ready to help the needy people of the society.</p> <p>Social reformers inspire people to join the drive for social cause. Positive attitude of a person maintains healthy relations amongst each other which is quite necessary now-a-days to stay away from stress. In this way, a person with a positive attitude is really an important asset to any society.</p> <p><i>(Note: Answer/points may vary in all the sub-questions of Q2.(A).)</i></p>	04
	(B)	<p><b>Change the narration (Any FOUR):</b></p>	(04)
	(a)	<p><b>He said, "I have gone to school everyday".</b> <b>Ans:</b> He said that he had gone to school everyday.</p>	01
	(b)	<p><b>Monali asked, "What do you want"?</b> <b>Ans:</b> Monali asked what he/she/I/they/we wanted.</p>	01
	(c)	<p><b>She said, "Alas! Her only son died".</b> <b>Ans:</b> She exclaimed with grief/with sorrow that her only son had died.</p>	01
	(d)	<p><b>He said, "Don't waste your time and work hard."</b> <b>Ans:</b> He advised him/her/me/them/us not to waste his/ her/my/their/our time and to work hard.</p>	01
	(e)	<p><b>Sagar said, "Will you listen to such a man?"</b> <b>Ans:</b> Sagar asked if/whether he/she/I/they/we would listen to such a man.</p>	01







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3.		<p>an HOD of Mechanical Department and 5 years as a principal of our institute. He has worked with enthusiasm and devotion and contributed positively for the development of the institution. He maintained a good relationship with faculties.</p> <p>He will retire this month end after putting 21 years of dedicated service. I wish him good health, peace of mind and lots of happiness in the years to come.</p> <p>Once again I take this opportunity to wish Dr. Satav a happy retired life. May god bless you with a long life.</p> <p>Thank you.</p> <p><i>(Note: Details may vary.)</i></p>	<b>04</b>
4.	(A)	<p><b>Write the meaning of the following pair of words and use them in sentences of your own (any TWO):</b></p>	<b>(04)</b>
	(a)	<p><b>Meal - Mill</b> <b>Ans: Meal: Meaning:</b> Any of the regular occasions in a day when a reasonably large amount of food is eaten. <b>Sentence:</b> The charges include an evening <b>meal</b> and breakfast.</p> <p><b>Mill: Meaning:</b> A building equipped with machinery for grinding grain into flour/ facilities for manufacturing <b>Sentence:</b> I visited the grain <b>mills</b> with my mother yesterday.</p>	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
	(b)	<p><b>Complement - Compliment</b> <b>Ans: Complement: Meaning:</b> something that completes or makes perfect <b>Sentence:</b> A good ice-cream is a <b>complement</b> to this meal.</p> <p><b>Compliment: Meaning:</b> A polite expression of praise or admiration <b>Sentence:</b> His sincere <b>compliment</b> boosts their morale.</p>	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
	(c)	<p><b>Disease - Decease</b> <b>Ans: Disease: Meaning:</b> illness/sickness/ailment <b>Sentence:</b> Neck pain can be the result of many diseases in the structure of the neck.</p> <p><b>Decease: Meaning:</b> A person's death <b>Sentence:</b> He held the post until his untimely <b>decease</b> in 2010. <i>(Note: Sentences may vary.)</i></p>	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$
	(B)	<p><b>Make sentences using the following collocations (Any FOUR):</b></p>	<b>(04)</b>
	(a)	<p><b>Take an exam:</b> Why don't you <b>take an exam</b>?</p>	<b>01</b>
	(b)	<p><b>Keep a secret:</b> He promised his mother to <b>keep a secret</b>.</p>	<b>01</b>
	(c)	<p><b>Do Nothing:</b> He always fails in the exams as he <b>does nothing</b> to pass.</p>	<b>01</b>



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4.	(d)	<b>Save electricity:</b> It is our responsibility to <b>save electricity</b> .	<b>01</b>
	(e)	<b>Run out of time:</b> Many students <b>ran out of time</b> in the examination. ( <i>Note: Sentences may vary.</i> )	<b>01</b>
	(C) (i)	<b>Write the synonyms of the following words (Any <u>TWO</u>):</b>	<b>(02)</b>
	(a)	<b>Eminent:</b> Well-known/renowned/important/prominent	<b>01</b>
	(b)	<b>Ample:</b> Plenty/sufficient/abundant	<b>01</b>
	(c)	<b>Anxious:</b> Nervous/restless/uneasy	<b>01</b>
	(C)(ii)	<b>Write the antonyms of the following words (Any <u>TWO</u>)</b>	<b>(02)</b>
	(a)	<b>Expand x Contract</b>	<b>01</b>
	(b)	<b>Industrious x Lazy/ Indolent</b>	<b>01</b>
	(c)	<b>Diffident x Confident</b>	<b>01</b>
(D)			
(a)	<b>Write two words beginning with Prefix : Semi-</b> Ans: 1. Semi-final 2. Semi-automatic	<b>(02)</b> <b>01</b> <b>01</b>	
(b)	<b>Write two words ending with suffix : -hood</b> Ans: 1. Childhood 2. Neighbourhood ( <i>Note: Words may vary.</i> )	<b>(02)</b> <b>01</b> <b>01</b>	
5.	(A)	<b>Read the following passage carefully and answer the questions given below :</b> When Swami Vivekanand arrived in Chicago, another difficulty arose. He had somehow lost the addresses of the persons he had to meet. So he did not know what to do. It was a very cold night and he spent it in a big box which he found near the station. In the morning he set out to find his friends. But no one could give him any help. At last he sat down, tired and sad, on the roadside. He put his trust in God and believed that he would help him. After a while the door of a very big house in front of him opened. A woman came out, looked at him and said in a very soft voice, "Sir, have you come to attend the Parliament of Religions?" Swami Vivekanand told her all about his difficulties. The kind lady took him into her house, gave him a meal and then went with him to the office of the Parliament of Religions. In the meanwhile Swami Vivekanand was accepted as a delegate and joined the other delegates who were attending the Parliament. He found that he was in the midst of very learned persons.	<b>(12)</b>



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5.	(a)	<b>Why did Swami Vivekanand go to Chicago?</b> <b>Ans:</b> Swami Vivekanand went to Chicago to attend the Parliament of Religions.	01
	(b)	<b>In what difficulty did he find himself when he reached Chicago?</b> <b>Ans:</b> When he reached Chicago, he had somehow lost the addresses of the persons he had to meet. So he did not know what to do.	02
	(c)	<b>How did an American lady help him?</b> <b>Ans:</b> An American lady helped him by taking him into her house, giving him a meal and then going with him to the office of the Parliament of Religions.	02
	(d)	<b>Where did he sleep at night?</b> <b>Ans:</b> At night, he slept in a big box which he found near the station.	01
	(e)	<b>What did he see when he attended the Parliament of Religions?</b> <b>Ans:</b> When he attended the Parliament of Religions, he saw that he was in the midst of very learned persons.	02
	(f)	<b>What did he do when he failed to find his friends in spite of great efforts?</b> <b>Ans:</b> When he failed to find his friends in spite of great efforts, he sat down, tired and sad, on the roadside. He put his trust in God.	02
	(g)	<b>Why did he not lose courage at that time?</b> <b>Ans:</b> He did not lose courage at that time because he put his trust in God and believed that He would help him.	02
(B)		<b>Rewrite the following sentences in Active/Passive voice: (Any Four)</b>	(04)
	(a)	<b>A meeting was called by him.</b> <b>Ans:</b> He called a meeting.	01
	(b)	<b>Get out.</b> <b>Ans:</b> You are ordered to get out.	01
	(c)	<b>Kabir sings a song.</b> <b>Ans:</b> A song is sung by Kabir.	01
	(d)	<b>Open the door.</b> <b>Ans:</b> Let the door be opened.	01
	(e)	<b>He makes a kite.</b> <b>Ans:</b> A kite is made by him.	01



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6.	(A)	<b>Fill in the blanks with suitable articles (Any FOUR) :</b>	<b>(04)</b>
	(a)	At college he was _____ union leader. Ans: At college he was <u>a</u> union leader.	<b>01</b>
	(b)	_____ man is a social animal. Ans: <u>No Article/A</u> man is a social animal.	<b>01</b>
	(c)	The rich should help _____ Poor. Ans: The rich should help <u>the</u> Poor.	<b>01</b>
	(d)	We need _____ Ashoka to teach the lesson of peace, love and duty. Ans: We need <u>an</u> Ashoka to teach the lesson of peace, love and duty.	<b>01</b>
	(e)	_____ fellow is an impressive one. Ans: <u>The</u> fellow is an impressive one.	<b>01</b>
	(B)	<b>Fill in the blanks with suitable prepositions (Any FOUR):</b>	<b>(04)</b>
	(a)	She cares very much _____ her brother. Ans: She cares very much <u>for</u> her brother.	<b>01</b>
	(b)	The HR office kept the file _____ the cupboard. Ans: The HR office kept the file <u>in</u> the cupboard.	<b>01</b>
	(c)	The directors did not agree _____ his proposal. Ans: The directors did not agree <u>to</u> his proposal.	<b>01</b>
	(d)	The first shift of factory starts _____ 7.00 a.m. Ans: The first shift of factory starts <u>at</u> 7.00 a.m.	<b>01</b>
	(e)	The cupboard is made _____ imported glass. Ans: The cupboard is made <u>of</u> imported glass.	<b>01</b>
	(C)	<b>Fill in the blanks with suitable conjunctions (Any FOUR):</b>	<b>(04)</b>
	(a)	They were arrested _____ they had stolen gold. Ans: They were arrested <u>because/as</u> they had stolen gold.	<b>01</b>
	(b)	Catch him _____ you can. Ans: Catch him <u>if</u> you can.	<b>01</b>
(c)	The box was very heavy _____ I could not lift it. Ans: The box was very heavy <u>so/therefore</u> I could not lift it.	<b>01</b>	
(d)	He returned home _____ I left. Ans: He returned home <u>when</u> I left.	<b>01</b>	
(e)	Both the workers _____ peons were fired. Ans: Both the workers <u>and</u> peons were fired.	<b>01</b>	



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6.	(D)	<b>Rewrite the sentence using the suitable form of Verbs (Any FOUR) :</b>	<b>(04)</b>
	(a)	<b>Pranav (score) 1009 runs in the last match.</b> Ans: Pranav <u>scored</u> 1009 runs in the last match.	<b>01</b>
	(b)	<b>He (visit) the Taj Mahal recently.</b> Ans: He <u>visited</u> the Taj Mahal recently.	<b>01</b>
	(c)	<b>The Volcano (create) havoc ever since it erupted.</b> Ans: The Volcano <u>has been creating</u> havoc ever since it erupted.	<b>01</b>
	(d)	<b>We shall rest here until John (come).</b> Ans: We shall rest here until John <u>comes</u> .	<b>01</b>
(e)	<b>They (go) back to the sitting room.</b> Ans: They <u>went/will go</u> back to the sitting room.	<b>01</b>	