Subject: General English

Time: 1 hour Full Marks: 50

This question paper consists of 3 sections

- Reading Comprehension 15 marks 1.
- 2. Precis writing -10 marks
- Grammar & Vocabulary- 15 marks 3.
- Composition writing 4. - 10 marks

I Reading Comprehension – 15 marks

1. Read the following passage carefully: After lunch, without waiting to get permission from their parents, the two boys set off to explore the part of the beach which lay beyond the headland. They persuaded their young

sister to stay behind saving that the long walk would be too tiring for her. Once they had passes beyond the headland, the

beach stretched away endlessly in front of them. It was like 5 discovering a new world. And what exciting things there were to do! There were damp, dark caves to explore, in each of which they half expected to come across smugglers hiding: there were innumerable pools among the rocks, full of small fish and other sea-creatures; and scattered along the beach. there were all those strange, yet commonplace, objects which

are washed up and left by the tide. 10

The afternoon passed quickly and the sun was already beginning to go down when the two boys reluctantly decided to turn back and make their way homewards. Long before they reached the headland, however, they could see that the tide had come in so far that they were now cut off from the other part of the beach. They looked at each other in dismay. It was useless 15 to go on, since clearly there was no way of getting beyond the headland. If, on other hand they went back the way they had just come, the tide would come in long before they reached the end of the beach. Their only chance of escape was to find a way up the cliff, which in some places was not very steep. At least they might be able to climb high enough to be out of reach of the waves, which were coming closer all the time. 20

In less than ten minutes they found a narrow path which seemed to lead all the way to the cliff top. But their troubles were not yet over. Halfway up, the path was blocked by a large rock, which they could not climb over. The two boys at once began shouting at the top of their voices, hoping that someone

25 walking along the cliff top might hear them. They were both surprised, however, when their father's face appeared over the top of the rock. He told them not to move until he came back.

In a short while he reappeared with two policemen, one of whom climbed down a rope which was lowered over the rock. The two boys were then pulled up to safety. At the top of the cliff they found their anxious mother and, with her, their young sister. She had told her parents where they had gone and thus saved them from spending a wet night on the cliff.

30

save	a uic	in from spending a wet night	on the enri.	
1.		the basis of your reading of the owing sentences in the space		
	a.	The two boys convinced the		
	b.	The boys expected to		
	c.	When the boys decided to g		
	d.	The only way of escape fro	m the tide was to	
	e.	e. The policeman rescued the two boys by		
2.	they the	two boys discovered a wond went exploring on the beach boys found exciting	. List three things that (1X3=Marks)	
3.	Find words in the passage which mean the same as the			
		owing.	(1X7=7)	
	a.	To travel around an area to learn about the plane	(Lines 1-5)	
	b.	Extended	(line 1-5)	
	c.	A very large number	(line 5-10)	
	d.	Rise and fall in the level		
		of the sea	(line 10-15)	
	e.	Ordinary, everyday	(line 10-15)	
	f.	Unwillingly with hesitation		
	ø	Worried and concerned	(line 25-30)	

2. Précis writing

-10 marks
Main points/contents -6marks
Fluency -2marks
Accurecy -2marks

Read the passage "A DRUG NAMED TELEVISION" then make précis of the passage in not more than 60-100 words.

Television viewing has become the Indian drug of choice. As the drug suppliers celebrate the mass adduction by offering more and more channels and inane programmes to fill them, cautionary voices warning of the dangers tend to be lost in the self-congratulatory cacophony of the pushers and users.

Over the last two decades, studies from many parts of the world have established the harmful consequences of television viewing. What one refers to as the 'harmful consequences' of this recreational drug relates not to what is shown on television but to the mere fact of television consumption. For instance, we read alarming reports of obesity among middle class Indian children and youth. Students from other parts of the world have conclusively linked the increase in obesity to rise in television viewing. Take the example of China. In 1997, when less than eight per cent of Chinese children watched television for more than two hours, there was no relation between television consumption and body weight. Less than three years later, with a striking increase in television sales and hours of viewing, there was a clear relationship between television consumption and obesity. In absolute numbers, there are more obese children in chins today than in the United States. We are not far behind. If we haven't already caught up with the leaders in this particular race.

The mechanisms that establish the relationship between television viewing and obesity are well known. A couch potato, by definition, expends very little energy. In fact, the energy used in watching television is less than in any other human activity. Even doing nothing uses up more calories than watching television. Unless, of course, one is continuously surfing channels, an activity highly recommended for those who are unable to rid themselves of the addition.

The second mechanism that links television to obesity is the change in eating habits. The role model effects on children of actors endorsing high calories products like coals, chips and chocolates, cannot be underestimated. But even without these role models, an increased consumption of sweets, salted snacks, and less intake of vegetables and fruits by children and young

people is significantly related to the amount of time spent in front of the television. Moreover, children in whose homes the television is on at meal times eat more than those where the set is switched off.

We Indians, who traditionally tend to equate being overweight with being 'healthy', may not be unduly alarmed by the studies linking obesity with television consumption. But with our deep commitment to the education of our children and our obsession with their academic achievements, we will perhaps sit up and take particular notice of some other studies. These explode the myth that all the information that television spews out will make a child grow up as a more aware, thinking adult. Longterm studies in other countries demonstrate that television viewing is negatively related to academic level he or she is likely to achieve as a 26-year-old adult. Television is not like ancient Greek or Indian theatre where the engagement of the public was intense and profound. Television is more akin to the circus of the Romans. More than ninety percent of television programmes is entertainment. It is a culture of spectacle, where the viewer is the passive participants. (400 words approx) (by Sudhir Kakar, The Times of India)

3. Grammar & Vocabulary- 15 marks

I.A a.	Rewrite the following sentences as directed: (1 X 1=1 marks) The Prime Minister of India inaugurates the Interstate Science Exhibition next month. (Use appropriate from to convey future time action)				

b.	The following paragraph has no error in each line. Write down to correction as shown below in you one has been done as an examp	he error along wit our answer sheet.	th the The first		
	STATE OF THE STATE	Errors	Correction		
	When the liner was finally vani	shed was	had		
	Over the horizon, I begin to comprehend	(a)	*********		
	that I am absolutely alone in the stormy	(b)			
	night sea. I keep changing directions.	(c)	***********		
	First I thought I have to swim one way	(d)	***********		
	then another. I feel that there w	as(e)			
	no way of founding my way in this				

night time ocean.

c.	Complete the following passage by writing ONE suitable word to fill in each blank in your answer sheet and number it correctly. The first one has been done as an example. (1X1/2=3 marks)			
	full crea whi it w env	world is (a) <u>an</u> enormous place,	(b) (c) (d) (e) (f)	
IB.	Tic	k the correct option 1X5=5 marks		
2. "0	a. b. c. d. Chao a. b. c. d. The a. b. c. d.	those who lived before. those who died before. those who worked before. those future generations. s" means deep disturbance. great/utter confusion. choosing. censoring. word that means the opposite of 'costly' is . expensive. overpriced. cheap. easy to buy		
4.	a. b. c.	disarrange. rearrange. discard.		
5.	d. The a. b. c.	random. e word that means the opposite of 'movable' is impassive. immovable. blocked. glued	S:	

Content - 10 marks Composition writing Fluency Accuracy -2

Write a short essay on the following topics:

My Greatest Wish

My Favourite Game.

- 1. According to Gandhiji, the Khilafat issue offered a golden opporunity for the promotion of the Hindu-Muslim unity in the country. He urged indus to lend full support to the Indian Muslims on this issue. The Khilafat issue related to the policy of the British Government towards
 - a. Turkey
 - b. Afghanistan
 - c. Iraq
 - d. Iran
- 2. Microphone is used to convert
 - a. sound waves into electrical energy
 - b. sound waves into light rays
 - c. electrical energy into sound waves
 - d. sound waves into magnetic currents.
- 3. The oldest mountains in India are
 - a. Aravalis
 - b. Vindhyas
 - c. Satpuras
 - d. Nilgiri hills
- 4. GPS is an abbreviation for?
 - a. Global Poles System
 - b. Global PolySiliconium Store
 - c. Global Positioning System
 - d. Global Position Structure
- 5. Which of these positions has never been held by Dr Manmohan Singh in his entire career?
 - · a. Member, Rajya Sabha
 - b. Governor, RBI
 - c. Member, Lok Sabha
 - d. Finance Secretary, Govt. of India

6. Numismatics is the study of	
a. Coins	
b. Numbers	
c. Stamps	
d. Space	
7. The largest cantilever bridge of India is	
a. Chambal bridge	
b. Mahatma Gandhi Setu	
c. Howrah Bridge	
d. None of the above	
8. Velocity of wind is measured by	
a. Speedometer	
b. Tachometer	
c. Anemometer	
d. Audiometer	
9. Logarithm tables were invented by	
a. John Napier	
b. John Doe	
c. John Harrison	
a. John Douglas	
10. The Sun is a	
a. Star	
b. Planet	
c. Asteroid	
d. Meteor	
11. Sikkim was included in North East council of states in the year	Ľ,
a. 1999	
b. 2000	
c. 2001	
d. 2002	
12. Where is the permanent secretariat of the SAARC?	
a. Kathmandu	
b. New Delhi	
c. Islamabad	
d. Colombo	9

- 13. Who wrote the book "The Origin of Species"?a. Sir Alexander Flemingb. Louis Pasteur
 - 14. What did Gandhiji mean by "Swaraj"?
 - a. Freedom for the country
 - b. Freedom for the meanest of the countrymen
 - c. Self Government

c. Charles Darwind. Stephen Hawking

- d. Self respect
- 15. Pressure cooker cooks rice faster because
 - a. it always lets the steam escape
 - high pressure crushes the hard covering of rice grains
 - c. it does not let the heat energy escape easily
 - d. high pressure raises the boiling point of water
- 16. Treaty of Titalia between British East India Company & Sikkin was signed on:
 - a. 1817 A.D
 - b. 1815 A.D
 - c. 1810 A.D
 - d. 1820 A.D
- 17. Steel is more elastic than Rubber because
 - a. its density is high
 - b. it is a metal
 - c. ratio of stress to strain is more
 - d. ratio of stress to strain is less
- 18. For which of the following disciplines is Nobel Prize awarded?
 - a. Physics and Chemistry
 - b. Physiology or Medicine
 - Literature, Peace and Economics
 - d. All of the above
- 19. Fathometer is used to measure
 - a. Earthquake
 - b. Rainfall
 - c. Ocean Depth
 - d. Sound Intensity

20.	The	instrument used to measure electric current is
	a.	Ammeter
	b.	Electrometer
	c.	Galvanometer

- 21. Which is the outermost planet in the solar system?
 - a. Mercury

d. Spectrometer

- b. Pluto
- c. Neptune
- d. Uranus
- 22. Entomology is the science that studies
 - a. Behaviour of human beings
 - b. Insects
 - c. The origin and history of technical and scientific terms
 - d. The formation of rocks
- 23. Escape velocity of a rocket fired from the earth towards the moon is a velocity to get rid of the
 - a. Earth's gravitational pull
 - b. Moon's gravitational pull
 - c. Centripetal force due to the earth's rotation
 - d. Pressure of the atmosphere
- 24. Which is not a Pass in East Sikkim?
 - a. Jalep la
 - b. Batang la
 - c. Chiwabhanzang
 - d. Nathula
- 25. Which of these freedom fighters was a part of the trio 'Lal Bal Pal'?
 - a. Lal Bahadur Shastri
 - b. Lala Lajpat Rai
 - c. Gopal Kishna Gokhale
 - d. Lala Hardayal
- 26. The light has gone out of our lives...". Who said this on Gandhi's death?
 - a. Madan mohan malvia
 - b. Jawharlal Nehru
 - c. Dr Radha Krishnan
 - d. Bal Ganga Dhar Tilak.

d.	Sardar Patel		
28. Wh	en was the historic Indo-Chinese trade route through	Nathula	re-Opened?
a	2005		
b			
c			
d			
u	. 2009		
29. Gu	wahati High Court is the judicature of		
a.	Nagaland		
b.	Arunachal Pradesh		
0.000	Assam		
	All of the above		
u.	All of the above		
30. Ho	w long does it take for light from the Sun to reach Ear	th	
a.	1 minute		
b.	8 minute		
c.	Instantaneous		
d.	24 hours	1	
31. Gar	ampani sanctuary is located at		
a.	Junagarh, Gujarat		
b.	Diphu, Assam		
c.	Kohima, Nagaland		
d.	Gangtok, Sikkim		
32. Sou	th Indian temples have		
a.	tall towers with curving sides that taper at the top		
b.	gateway towers shaped like trapezoidal pyramids		
c.	both are correct		
d.	None of the above		
33. The	architecture of the city of Cochin in Kerala reflects t	he influer	nce of?
a.	The British		
b.	The Portuguese		
c.	The Dutch		
d.	All of the above		
	5		

27. Whom Gandhiji declared as his political heir?

a. Vinobha Bhaveb. J. L. Nehru

c. C. Rajagopalachari

34. Ecc	ology deals with
a.	Birds
b.	Cell formation
c.	Relation between organisms and their environment
d.	Tissues
35. Wh	nat do we call a collection of two or more computers that are located within a
lim	ited distance of each other and that are connected to each other directly or
ind	irectly?
a.	Internet
b.	Intranet
c.	Local Area network
d.	Wide Area Network
36. Sik	kim Public Service Commission was established in the year.
a	. 1977
b	. 1978
C	. 1980
d	. 1981
37. The	e air we inhale is mixture of gases. Which of the following gas in the mixture
hig	hest in percentage?
a.	Carbon dioxide
b.	Nitrogen
c.	Oxygen
d	Ozone

- 38. Which of the gas is not known as green house gas?
 - a. Methane
 - b. Nitrous Oxide
 - c. Carbon dioxide
 - d. Hydrogen
- 39. Name the oldest hydel Power project in Sikkim.
 - Rothak HEP a.
 - Jali Power house b.
 - c. Lower Lagyap HEP
 - d. Kalez Khola HEP
- 40. Who is the Chairman of District Planning Committee?
 - District Planning Officer
 - Zilla Adhyaksha b.
 - c. District Collector
 - Chief Minister

41. Firs	t Population Census of Sikkim was done in the year	×
a.	1861	
b.	1871	
c.	1881	Ď.
d.	1891	1
42 Peo	ple who secretly indulge in anti-national or anti-government	activities and help the
	ny are called	The second of th
	Second column	
	Third column	1
	Fourth column	£
	Fifth column	
u.	1 Hill Coldini	
43. The	ozone layer restricts	
a.	Visible light	
b.	Infrared radiation	
c.	X-rays and gamma rays	
d.	Ultraviolet radiation	
44.700		he work done is
	orce is expressed in Newton and the distance in metre, then t	sie work done is
	ressed in	<u> </u>
	Joule	
	Kg. Wt	
	Kg wt m	
d.	Watt	
45. Fri	ction can be reduced by changing from	
a.	sliding to rolling	
	rolling to sliding	
c.	potential energy to kinetic energy	
	dynamic to static	
		for foliantians
46. Th	is type of structural steel drawing shows all dimensions nece	ssary for fabrication.
a.	,	
b.		
	Weldment drawings	
d.	Application drawings	
	kim merger with the union of India in the Year 1975 by the	constitution
am	endment No.?	
	a. 36.	
1	o. 37.	78
	2. 38	
	1 30	

a.	The Prime Minister	ě
b.	The Parliament	
c.	The Chief Ministers	
d.	The President	
49. Wh	ich foreign influence is seen in the rock cut architecture of l	ndia?
a.	Arabic	1
b.	Persian	į.
c.	Indo-European	
d.	Greek.	Ė
		i i
50. WI	nen did Sikkim cede Darjeeling to the British?	
а	. 1757	Ť
t	. 1805	Ĭ
C	. 1835	
d	1. 1857	
		18
	*	
	6	
		-
		9
		-

48. In India the Governor of the states are appointed by _____?

1.	Minimum crushing strength of 1st class brick is	kg/ cm ³
2.		
3.	sand is used for filling in plinth/ foundation	on.
4.	Steel reinforcement weighs kg/ cu m	
5.	The thickness of dividing strip for terrazzo flooring sho	uld not be less than mm.
CONTA - CO CO CO	construction work, 50 cum of 250 mm thick brickwork (Prepare a suitable estimate of material requirement for ply.	
2. (a) What	t are the major differences between 'Centreline Method ting.	and Long and Short wall Method 4
(b) Men	ation the measurement unit of the following items: 1x6=	6
(i) Plaste	ering (ii) Expansion joint (iii) Collapsible gate (IV) Rain	water pipe (v) Rolling shutter
(vi) Dam	p proof course	
c) What	are the advantages of a flat slab floor compared to conv	ventional RCC floor? 5
d) Wha	t do you mean by earthquake resistant building.	5
e)Write	notes on under ream piles.	5
3. (a) Draw	section of a typical staircase in 1:25 scale and define the	e following parts:
Going,	nosing, stringer beam, newel post, rises.	20
(b)Wha principles.	t is the difference between a One-way and Two-way RCC	C slab in terms of structural 5
4. What do	you understand by Building by-laws. What are the nece	ssary items mentioned in the

bylaws. Validate your answer with example from any municipal by laws known to you. 5+5=10

1.a) Fill in the following blanks with appropriate word(s):(5x1=5)

Design a two storey residential building of total 300sqm in a plot facing a road 6m wide. Plot size is 10m(road facing)x20m (depth). Road is on eastern side. Assume other characteristics as you feel necessary.

Drawings should be self explanatory and true to adopted scale.

40

- 5. a) Describe the concept and salient features of 'Stupa' during Buddhist era of India with suitable examples.5
- Explain the concept of 'Chaitya' and 'Vihara' with neat sketches. Describe the evolution of these two elements in planning of 'Ajanta', Maharastra.
- c) "Rock cut architecture is translation of timber structure"-explain with example.

5

d) Describe with sketches salient features of Chinese garden.

7

6.a) The following are the observed bearings of the lines of a traverse A3CDEA with a compass at a place where local attraction was suspected.

Line	Fore Bearings (FB)	Back Bearings (BB)
AB	191°45′	13°0′
BC	39°30′	222°30′
CD	22°15′	200°30′
DE	242°45′	62°45′
EA	330°15′	147°45′

Find the correct bearings of the lines

10

b)Write short notes on following:- (3x5)

i)Basic Wind Speed ii)Gust iii)prestressed concrete iv)Differences between straight and curved beam v)Composite beam vi)Lap joint and Butt Joint in rivet construction.

Section-B

- 7.(a) Explain the natural factors responsible for decay and threat to built heritage of a region. 4
 - (b) Explain the major causes of decay of stone structures.

8

c)What are the different types of welding? Discuss about advantages of welding over riveted construction.

d)Explain with sketches the details of a timber formwork for a square column and rectangular beam.

8.a) Describe different steps in Project Management.

10

b)What is day lighting and your perception of daylight harvesting. Write down recommended minimum daylight factor for i)Dwelling ii)Offices iii)Libraries and Hosp hals.

c)Define human Settlement. Describe the evolution of Human Settlement during	g vedic age inc	lus
Valley Civilisation.	. 10)
9.a)What is meant by "Green Building"?Mention the salient features of Green R	lating system.	
	5+5	
b)Discuss the measures those are recommended by National Building Code for	noise control	
with respect to site planning and internal planning for educational buildings.	6	
c) Write short notes on any two of the following. (7x2=14)		
i)Noise criteria curves ii)Acoustic design criteria for an auditorium iii)Highway no	oise barriers	
10. a)An old palace has to be converted to a heritage hotel to continue its relevant	ance in present	t
context. Explain about the list of studies to be undertaken and the intervent	tions necessary	to
accommodate the change of use in structure.	15	5
b)Explain the values associated with architectural conservation.	7	
c)Explain the relevance of transfer of Development rights and public private	partnership in	
promoting heritage conservation in large cities like Gangtok.		8
11.a)Define air pollution. Mention the sources and characteristics of air pollutar	nts in cities like	3
Gangtok along with measuring units. Mention non engineering process of re	moval of air	
pollution. 1+2+4=	= 7	
b)Classify different types of solid waste. Mention the sources and characteris	tics of municip	al
solidwaste. Describe briefly sanitary landfill method of solid waste disposal.	1+3+	3=7
c)Illustrate with sketches a septic tank to serve an isolated residence in outsk number of inmates are 30 and rate of water supply is 135lpcd.	irt of Gangtok.	The
Suggest appropriate method of disposal of septic tank effluents.	10+3	=13
d)Write notes on one pipe system plumbing.	3	
Q12.a)Write about scope of Landscape Architect ,planner,contractor	3x5=15	
b)Write about the steps to be followed in landscaping of a primary school challenged children as well as normal children.	for physically	15