

BIRLA BALIKA VIDYAPEETH, PILANI

SAMPLE PAPERS

Subject: English Class :XI

Time: 30 Min

MM: 25

Instructions: Read the questions carefully and answer them. All the questions are compulsory

I. Read the following passage carefully.

5

- 1) Amazing cars, huge houses, lots of servants and expensive furniture show that we love extravagance. But we all would like to see a green and clean world, where breathing is a healthy and pleasing exercise to do, rather than a necessity you would avoid if you could. So how do we achieve that elusive balance between extravagance and environmental-friendly living? By being aware, of course.
- 2) You want to buy that incredibly expensive car, buy it. But also include walking in your routine. Walk to your grocery store. In fact, why don't you chart a mental map? Walk to all those places that are 10-15 minute walk from your home. When you go shopping, try parking your car five minutes way from the mall and walk. It saves that much petrol, and stops that much pollution.
- 3) Can't be bothered to turn off all lights and fans not in use? Turn one light off? By doing that you save that much energy.
- 4) Too cool to carry your own cloth bag to the grocery store? Ok, don't. But you can at least make sure that they put everything in one or two bags, rather than using too many bags. It saves that much of plastic.
- 5) Oh yes, go ahead and spend all the money you have on all the luxuries you can buy. Just make sure that you save whatever you can. That is all you need to do. So stop feeling guilty about all the harm that you are causing to the society, and get involved in some planet-saving activity. The smallest gesture makes the difference. And the word is 'awareness'.

Answer the following questions by selecting the most appropriate options from the ones given below.

1. Our love for wonderful cars, big houses, lots of servants and expensive furniture exposes our
 - a) Awareness
 - b) Love for extravagance
 - c) Wealth
 - d) Carelessness

2. Breathing can be a healthy and pleasing thing to do if we have
 - a) Luxurious life
 - b) Awareness
 - c) Wealth
 - d) Clean and green environment
3. We can save both petrol and environment by
 - a) Walking to places within 10-15 minutes of walking distance
 - b) Parking cars some distance away from malls
 - c) Charting a mental map
 - d) Driving in expensive cars.
4. One ideal way to save energy is to
 - a) Keep fans and lights turned off
 - b) Turn off at least one light
 - c) Turn off fans and light when not in use
 - d) Be bothered when lights and fans are on
5. The word that means the same as 'difficult to find or achieve' is
 - a) Extravagance
 - b) Gesture
 - c) Elusive
 - d) Incredibly

II. Read the following poem carefully.

5

Snowflakes

And did you know

That every flake of snow

That forms so high

In the grey winter sky

(5) And falls so far

Is a bright six-pointed star?

Each crystal grows

A flower as perfect as a rose.

Lace could never make

(10) The patterns of a flake.

No brooch

Of figured silver could approach

Its delicate craftsmanship. And think:

Each pattern is distinct.

(15) Of all the snowflakes floating there-

The million million in the air-

None is the same. Each star

Is newly forged, as faces are,

Shaped to its own design

(20) Like yours and mine.

And yet....each one

Melts when its flight is done;

Holds frozen loveliness

A moment, even less;

(25) Suspends itself in time-

And passes like a rhyme.

Clive Sansom

Answer the following questions by selecting the most appropriate options from the ones given below.

1. According to the poet, in winter, the sky looks

- a) Bright
- b) Dull
- c) White
- d) Blue

2. All the snowflakes that fall

- a) Have a different pattern
- b) Are exactly the same

- c) Look like roses
d) Never melt
3. The word 'forged' (line 18) means the same as
- a) Fake
 - b) Created
 - c) Imitation
 - d) Genuine
4. The expression 'its flight is done' means
- a) The snowflake floats in the air
 - b) The snowflake falls on the earth
 - c) The snowflake melts away
 - d) The snowflake is suspended in the air
5. A line or expression that best expresses the meaning "a snowflake has a short lived life" is
- a) Suspends itself in time
 - b) Holds frozen loveliness
 - c) Melts when its flight is done
 - d) A moment, even less

III. The following passage has not been edited. There is an error in each line. Underline the error and write the correct word in the space provided. (1/2*6=3)

- a) A bionic eye who allows the blind to see has been approved
after thorough testing. The tests have
- b) demonstrated but the device is safe
.....
- c) while could mean that it eventually becomes
.....
- d) routinely available on the NHS. People whom are blind
.....
- e) because of failed retinas could be treated. Who was the
.....
- f) most surprising of all was which
how much resolution one can get from implant.

IV. Fill in the blanks with suitable connectors. (1/2*6=3)

A set of four letters typed (a) _____ handwritten, all written in the October of 1947, document the sale of Jim Corbett's Nainital home. These letters were written by Corbett to Sharda Prasad Varma, the two men when negotiating the deal on behalf of Corbett's sister Maggie (b) _____ owned the house (c) _____ Varma's wife Kalavati, (d) _____ was the buyer. Having sealed the deal for Rs 55,000/- (e) _____ included leaving behind most of his belongings,

Orbett wondered in the last letter (f) _____ it would be too much to ask, if he could keep the carpet since he was not sure of being able to get one in Kenya.

V. Rearrange the following group of words in meaningful sentences: (1*3=3)

- a) occurred to me/ silent and disciplined/ it has often/ one must be/ that as a / seeker of truth
- b) truth, silence / and discipline / efficacy of / the wonderful / i know
- c) many beautiful places/ like the Buddhist Monastery and the Shiva Temple/ i had visited / in Kashmir

VI. You are Gitanjali Dev, Secretary, *Nuture the Childhood Foundation*. You are working for the betterment and welfare of the underprivileged children in India. You have travelled extensively across the different states in India and have carefully observed the condition of such children. Write a letter in about 120 words to the editor of *The Times of India*, highlighting the problems of childhood across the nation and how they can be solved. 6

BIRLA BALIKA VIDYAPEETH, PUNE
ADMISSION TEST PAPER

CLASS XI, MATHEMATICS

M.M:25

TIME: 30 min.

Q1 to Q5 carry 2 marks each and Q6 to Q10 carry 3 marks each.

Q1. Is it possible to design a rectangular mango grove whose length is twice its breadth, and the area is 800m^2 ? If so, find its length and breadth.

Q2. If $(1, 2)$, $(4, y)$, $(x, 6)$ and $(3, 5)$ are the vertices of a parallelogram taken in order, find x and y .

Q3. Check whether -150 is a term of the arithmetic progression: $11, 8, 5, 2, \dots$

Q4. Prove that in any rhombus the sum of squares of the sides is equal to the sum of squares of the diagonals.

Q5. Using trigonometric identities, write the expression $\frac{1 - (\sin^4 A + \cos^4 A)}{\sin^2 A \cos^2 A}$ as an integer.

Q6. A box contains 90 discs which are numbered from 1 to 90. If one disc is drawn at random from the box, find the probability that it bears (i) a two digit number (ii) a perfect square number (iii) a multiple of 5.

Q7. An observer 1.5 m tall is 28.5 m away from a tower. The angle of elevation of the top of the tower from her eyes is 45° . Find the height of the tower.

Q8. If A and B be two Zeros of the quadratic polynomial $2x^2 - 3x + 7$, evaluate $A^2 + B^2$.

Q9. Solve the pair of linear equations $31x + 57y = 150$ and $57x + 31y = 202$.

Q10. A quadrilateral ABCD is drawn to circumscribe a circle. Prove that $AB + CD = AD + BC$.

Social science

Class XI

Time :30 Min

MM:25

I. Choose the correct answer.

(13x1=13)

1. A kind of development that does not damage the environment is called :
a) Sustainable development b) Human development
c) Economic development d) None of these () (1)

2. Which institution determines the development of a country?
a) World Bank b) IMF
c) Amnesty International d) None of these () (1)

3. Underemployment occurs when people:
a) Do not work at all b) Work slowly
c) Are not paid for work d) Work less than their potential () (1)

4. Who wrote Small is Beautiful?
a) Mahatma Gandhi b) Jawaharlal Nehru
c) Rabindranath Tagore d) Schumacher () (1)

5. In which of the following states has overgrazing caused land degradation?
a) Orissa b) Rajasthan c) Chhattisgarh d) None of these () (1)

6. The Chipko Movement is about resisting :
a) Racism b) Deforestation c) Hunting d) None of these () (1)

7. When was the Indian Wildlife (protection)Act implemented ?
a)1947 b)1962 c) 1952 d)1972 () (1)
8. In which list the subject ‘Education’ exists
a)Union list b)State list c) Concurrent list d) Residuary subjects () (1)
9. Name the country belongs to a ‘Community Government’.
a) Srilanka b)Switzerland c) France d)Belgium () (1)
10. In which Government Bodies one –third seats are reserved for women?
a)Loksabha b)Panchayats and Municipalities c)State Assemblies d)All the above () (1)
11. Name an International Bank related with reconstruction and development .
a) World Bank b)Swiss Bank c)IMF d)None of the above () (1)
- 12.Which of the following newspapers was started by Bal Gangadhar Tilak?
a) Amrita Bazaar Patrika b) Kesari c)Statesman d)Jansatta () (1)
13. Who among the following setup the first jute Mill in Kolkata?
a) J.N.Tata b)Dwarka Nath Tagore c)Dinshaw Petit d) Seth Hukum Chand () (1)
- II.) Answer the following briefly: (1x12=12)
1. How is commercial farming practiced in India?
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.....
2. Write two advantages and two disadvantages of multi-purpose projects.

3. Why do we need to conserve resources?

4. What do you mean by 'Unorganized Sector'?

5. Distinguish between private sector and public sector.

6. What is the criterion used by the UNDP for classifying countries?

7. What do you mean by Urbanization?

8. What is federalism?

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9. Define Coalition Government

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10. What is Calligraphy?

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11. What is Globalization?

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12. What is spinning jenny?

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