

Answer Key
Gurukul Kurukshetra (Test -1)
Class 8th Entrance Exam
Section – A (Science)

1. Fill in the Blanks:

(5 × 1 = 5)

- (a) Iodine
- (b) Villi
- (c) Respiration
- (d) Ureters
- (e) less

2. Answer the following questions:

(5 × 1 = 5)

- (a) Photosynthesis occurs during day time only because stomata is open to take in CO₂ and release O₂. Sunlight is present during day time which initiates the photosynthesis process.
- (b) The bodies of living organism are made of tiny units called cells. Cells can be seen only under the microscope. Some organisms are made of only one cell. The cell is enclosed by a thin outer boundary.
- (c) Small intestine
- (d) No, Human cannot survive only on raw, leafy vegetables or grass. It is because the grass is rich in cellulose, which is a type of carbohydrate that humans are not able to digest due to the absence of cellulose – digesting enzymes.
- (e) Fishes have gills as respiratory structures which can take in only dissolved oxygen from water. So, outside water they cannot respire and therefore die.

Section – B (Mathematics)

1. Fill in the blanks:

(5 × 1 = 5)

- (a) even
- (b) multiply, reciprocal
- (c) 72
- (d) Parallel
- (e) 10%

2. True / False

(5 × 1 = 5)

- (a) True
- (b) False

(c) True

(d) False

(e) False

3. Answer the following questions:

(5 × 2 = 10)

(a) A number of solutions can be possible.

e.g. Let first integers = (-3) and second integers = (-10)

Difference = - 20 - (-9) = (-11)

(b) Given total rupees = Rs.500

and money paid = Rs.385.70

Change he received = Rs(500 - 385.75) = Rs.114.30

(c) Let the number be x .

Then, $1/3$ rd of number = $x/3$

So, the equation formed is $x = 7 + (x/3)$

(d) Acute angles are those angles which are less than 90° , if we add two angles which are less than 90° , we get the result less than 180° , e.g. if we add 60° and 70° , we get $60^\circ + 70^\circ = 130^\circ < 180^\circ$.

(e) Given S.P of bat = Rs.75 and loss = Rs.8

We know that, $C_p = SP + Loss = 75 + 8 = Rs.83$

Hence, cost price of the bat is Rs.83.

Section - C (Social Science)

1. Fill in the blanks:

(5 × 1 = 5)

(a) Alexander

(b) Illegal

(c) Savanna

(d) Needle - like

(e) Khalji

2. Short answer questions:

(5 × 1 = 5)

(a) Ananga Pala of the Tomara dynasty first established his capital at Delhi.

- (b) The villages are rural settlement where people are engaged in activities like agriculture, fishing, forestry, craft work and trading etc.
- (c) Temperature and moisture are the two factors on which the growth of vegetation mostly depends.
- (d) Citrus fruits are cultivated in Mediterranean climate, i.e., regions experiencing hot, dry summers and mild, rainy winters.
- (e) In Muhammad Tughluq's reign the sultanate reached its farthest end.

Section - D (English)

1. (b)
2. (a)
3. (a)
4. (c)
5. in
6. under
7. through
8. is going
9. went
10. will be
11. bitch
12. king
13. poet
14. actress
15. milkmaid
16. Pleasant
17. Specific
18. Intensify
19. Rival
20. Minor