

ANNUAL EXAMINATION, 2018-19

SCIENCE

Class IX

Time : 3 hrs.

M.M. : 80

Date = 22.01.2019 (Friday)

Name of the student _____

Section _____

General Instructions :

- The question paper comprises two Sections, A and B. You are to attempt both the sections.
- All questions are compulsory.
- All questions of Section-A and all questions of Section-B are to be attempted separately.
- Question numbers 1 & 2 in Section-A are one mark questions. These are to be answered in one word or in one sentence.
- Question numbers 3 to 5 in Section-A are two marks questions. These are to be answered in about 30 words each.
- Question numbers 6 to 15 in Section-A are three marks questions. These are to be answered in about 50 words each.
- Question numbers 16 to 21 in Section-A are five marks questions. These are to be answered in about 70 words each.
- Question numbers 22 to 27 in Section-B are based on practical skills. Each question is a two marks question.

SECTION – A

- Q.1 Name one foreign breed of cow that is selected for long lactation period. (1)
- Q.2 Why is strip-farming common in hills? (1)
- Q.3 State two effects of force. (2)
- Q.4 Define power and give its unit. (2)
- Q.5 What is nitrogen-fixation? Name one nitrogen fixing bacteria that helps in this process. (2)
- Q.6 Define uniform circular motion and give example of it. Why is it called accelerated motion? (3)

OR

A bus accelerates uniformly from 54 km/h to 72 km/h in 10 seconds. Calculate –

(i) acceleration in m/s^2 .

(ii) distance covered by the bus in metres during this interval.

- Q.7 A cricket ball of mass 30 g moving with a velocity of 0.5 m/s is stopped by a player in 0.5 s. What is the force applied by the player to stop the ball? (3)
- Q.8 A ball is projected vertically upwards with an initial velocity of u goes to a maximum height h before coming to ground. What is the value of h ? (3)

OR

What is the effect of shape of earth on value of g ?

- Q.9 a) Priyanshu and Soham, in a hot summer day, are wearing cotton and nylon clothes, respectively. Who is likely to feel more comfortable and why? (3)

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CL Gary



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