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QUESTION PAPER

Class 8

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Annual Examination 2022-23
Class- 8
Science

Time : 2 Hours M.M.80

1.Choose the correct option:- **5**

(a) Internal fertilisation occurs

(i) in female body. (ii) outside female body.

(iii) in male body. (iv) outside male body.

(b) The number of nuclei present in a zygote is-

(i) none (ii) one

(iii) two (iv) four

(c) Reproductive age in women starts when their

(i) menstruation starts. (ii) breasts start developing.

(iii) body weight increases. (iv) height increases

(d) Which of the following cannot be charged easily by friction?

(i) A plastic scale (ii) A copper rod

(iii) An inflated balloon (iv) A woollen cloth.

(e) Voice of which of the following is likely to have minimum frequency?

(i) Baby girl (ii) Baby boy (iii) A man (iii) A woman

2. Write notes on— **20**

Gene, Sex Chromosomes , Pressure, Drag
Zygote, Contact Force, blind spot, Pitch,
Cornea, Lubricants.

3. Indicate whether the following statements are True (T) or False (F).

(a) Unicellular organisms have one-celled body. **5**

(b) Muscle cells are branched.
(c) The basic living unit of an organism is an organ.
(d) Amoeba has irregular shape.
(e) Each sperm is a single cell.

4.Fill in the blanks. **5**

(a) To draw water from a well we have to _____ at the rope.
(b) A charged body _____ an uncharged body towards it.
(c) To move a loaded trolley we have to _____ it.
(d) Sprinkling of powder on the carrom board _____ friction.
(e) Sliding friction is _____ than the static friction.

5. State the difference between- **6**

(a Eukaryotes and Prokaryotes.(b) Balanced and Unbalanced force.
(c) Music and Noise. https://www.upboardonline.com

6.(a) Four children were asked to arrange forces due to rolling, static and sliding frictions in a decreasing order. Their arrangements are given below. Choose the correct arrangement.

(a) rolling, static, sliding
(b) rolling, sliding, static
(c) static, sliding, rolling
(d) sliding, static, rolling .

(b) Alida runs her toy car on dry marble floor, wet marble floor, newspaper and towel spread on the floor. The force of friction acting on the car on different surfaces in increasing order will be:

(a) wet marble floor, dry marble floor,newspaper and towel.
(b) newspaper, towel, dry marble floor, wet marble floor.
(c) towel, newspaper, dry marble floor, wet marble floor.
(d) wet marble floor, dry marble floor, towel, newspaper.

7. Answer in one word:- **10**

(a) The powerhouse of the cell.

(b) What do ovaries produce?

(c) The period of onset of sexual maturity.

(d) A non contact force exerted by the earth .

(e) The photosensitive layer of the eye.

8. Answer the following questions :-

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(a)Explain why sportsmen use shoes with spikes.

(b)Explain why sportsmen use shoes with spikes.

(c)Describe the process of fertilization in human beings.

(d)What is menstruation? Explain.

(e)State the laws of reflection.

(f)Lightning and thunder take place in the sky at the same time and at the same distance from us. Lightning is seen earlier and thunder is heard later. Can you explain why?

9. Solve the following: **4**

(a) A pendulum oscillate 40 times in 4 seconds. Find its time period and frequency.

(b)The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibrations .

9. Make a sketch of the human nerve cell , female reproductive part and voice box . **3**