

# DPP

DAILY PRACTICE PROBLEMS

Class : XII<sup>th</sup>  
Date :

## Solutions

Subject : BIOLOGY  
DPP No. : 5

### Topic :- Reproduction in Organisms

- 1 (a)  
As we know that oviparous individuals lay eggs outside the body hence, further development takes place outside.  
But, the process of fertilization takes place inside their body

- 5 (b)  
Binary fission is the common mode of reproduction in bacteria and Protista.  
*It may be of many types*  
Irregular binary fission – *Amoeba*  
Longitudinal binary fission – *Euglena*  
Transverse binary fission – *Paramecium*

- 7 (d)

| Name of plants     | Types of Reproduction /Characteristics |
|--------------------|--|
| Potato             | Tuber                                  |
| Ginger             | Rhizome                                |
| <i>Agave</i>       | Bulbil                                 |
| <i>Bryophyllum</i> | Leaf buds                              |
| <i>m</i>           | Offset                                 |
| Water hyacinth     |  |

- 9 (b)  
False. **Staminate** are the unisexual male flower/or plant which produces the male gametes only called staminate plant
- 10 (c)  
Fishes are dioecious so no self - fertilisation.  
Earthworm, liverfluke, leech all are hermaphrodite but hermaphroditism is not necessary to give rise to self - fertilisation. In given options only liverfluke does self - fertilisation
- 12 (b)

New organism without fertilization is called parthenogenesis, *e.g.*, Ant, bees, termites

13 **(b)**

In internal fertilization syngamy takes place inside the body of female reproductive tract. It is direct protection from the environment to the developing progeny

14 **(c)**

'Terror of Bengal' is the aquatic plant (water hyacinth) introduced in Bengal for its beautiful leaves and flower. But it grows very fast and consumes  $O_2$  from water.

Due to which lot of fish died. That's why it was called Terror of Bengal

16 **(a)**

Generally, the oestrus cycle takes place in the seasonal breeders. It is the cyclic change in the activity of ovaries and accessory duct during reproductive (seasonal) period

17 **(b)**

False. **Pistillate** are unisexual female plant. These plant produce only female flower

19 **(b)**

Transfer of male gametes (pollen) to the receptacle (stigma) of the female is called pollination

Generally, the pollination takes place by various means like air/ water / animals / insects, etc.

#### ANSWER-KEY

|           |           |           |           |           |           |           |           |           |           |           |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>Q.</b> | <b>1</b>  | <b>2</b>  | <b>3</b>  | <b>4</b>  | <b>5</b>  | <b>6</b>  | <b>7</b>  | <b>8</b>  | <b>9</b>  | <b>10</b> |
| <b>A.</b> | <b>A</b>  | <b>A</b>  | <b>A</b>  | <b>A</b>  | <b>B</b>  | <b>B</b>  | <b>D</b>  | <b>D</b>  | <b>B</b>  | <b>C</b>  |
| <b>Q.</b> | <b>11</b> | <b>12</b> | <b>13</b> | <b>14</b> | <b>15</b> | <b>16</b> | <b>17</b> | <b>18</b> | <b>19</b> | <b>20</b> |
| <b>A.</b> | <b>A</b>  | <b>B</b>  | <b>B</b>  | <b>C</b>  | <b>B</b>  | <b>A</b>  | <b>B</b>  | <b>C</b>  | <b>B</b>  | <b>B</b>  |