QUESTION BANK 2019

<u>UNIT-II</u>

1.	Explain the mechanism of wind erosion.	12M
2.	Explain in detail factors affecting wind erosion.	12M
3.	Explain wind erosion control measures.	12M
4.	Explain the factors affecting runoff rate.	12M
5.	Enlist different methods of estimation of peak rate of runoff and explain rational met	hod.
		12M
6.	Describe land use capability classification based on different criteria with a	special
	reference to slope.	12M
7.	reference to slope. Explain agronomic and mechanical or engineering measures.	12M 12M
7. 8.	Explain agronomic and mechanical or engineering measures.	
	Explain agronomic and mechanical or engineering measures.	12M

QUESTION BANK 2019

<u>UNIT III</u>

1)	Define bund and write its feasibility for construction.	12M
2)	Describe the design parameters of bund.	12M
3)	Write short notes on	(2×6=12M)
	a) Grassed weir	
	b) Graded bund	
	c) Vertical spacing	
	d) Horizontal spacing	
	e) Contour bund	
	f) Height of bund	
4)	Enlist and explain various types of bunds used in soil conservation practice.	12M
5)	Explain design of contour bunds under following aspects.	12M
	a) Horizontal and vertical intervals	
	b) Bund dimension	
	c) Area lost in bund construction	
6)	Describe the advantages of contour and graded bunds.	12M
7)	Define terrace and write its importance.	12M
8)	Describe design of bench terrace.	12M
9)	Write a short note on following	(2×6=12M)
	a) Level terrace	
	b) Batter slope	
	c) Shoulder bund	
	d) Terrace cross section	
	e) Irrigated terrace	
	f) Terrace spacing	
10) Describe the construction and management of terrace system.	12M

<u>UNIT IV</u>

1.	Define grassed water ways and write its importance in soil conservation.	12M
2.	Explain the design steps of grassed water ways.	12M
3.	Describe various shapes of grassed water ways, why parabolic shape is considered most suitable	
	section of grassed water ways and explain factors affecting shapes of grassed water ways.	12M
4.	Define sediment and various sources of sediments.	12M
5.	Explain the factors affecting sediment yield.	12M
6.	Explain sediment transportation.	12M
7.	Factors affecting the sediment distribution pattern.	12M
8.	Define sediment delivery ration and trap efficiency.	12M
9.	Explain pre and post sedimentation control methods.	12M
10.	Define contours and write the procedure for preparation of a contour map.	12M

QUESTION BANK 2019

<u>UNIT V</u>

1. Describe water harvesting and its importance.	12 M		
2. Explain various water harvesting techniques.	12M		
3. Define farm pond, list different types of farm ponds and describe embank	ament type farm pond.		
	12M		
4. Write the procedure to determine farm pond capacity.	12M		
5. Define check dam and its working principle.	12M		
6. Classify the temporary and semi permanent gully control structures and e	5. Classify the temporary and semi permanent gully control structures and explain temporary		
structures.	12M		
7. Explain permanent gully control structures and write their requirement.	12M		
8. Explain the location of different permanent gully control structure.	12M		
9. Explain design steps of gully control structure.	12M		
10. Write a note on	(2×6=12M)		
a. Piping			
b. Froud number			
c. Stilling basin			
d. Hydraulic jump			
e. Anticeep collar			
f. Uplift pressure			