CBSE | DEPARTMENT OF SKILL EDUCATION

GEOSPATIAL TECHNOLOGY (SUBJECT CODE - 818)

CLASS XII (SESSION 2021-2022)
BLUE-PRINT FOR SAMPLE QUESTION PAPER FOR TERM -II

Max. Time Allowed: 1½ Hours (90 min)   **Max. Marks: 30**

PART A - EMPLOYABILITY SKILLS (05 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS - SA (2 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
4	Entrepreneur Skills-iv	2	1	-	3
5	Green Skills- iv	2	1	-	3
TOTAL QUESTIONS		**4**	**2**	**-**	**06**
NO. OF QUESTIONS TO BE ANSWERED		**Any 3**	**Any 1**	**-**	**04**
TOTAL MARKS		**3 x 1 = 3 Marks**	**1 x 2 = 2 Marks**	**-**	**05 Marks**

PART B - SUBJECT SPECIFIC SKILLS (25 MARKS):

UNIT NO.	NAME OF THE UNIT	NO. OF QUESTIONS - VSA (1 MARK EACH)	NO. OF QUESTIONS – SA - I (2 MARKS EACH)	NO. OF QUESTIONS – SA - II (3 MARKS EACH)	NO. OF QUESTIONS - LA (4 MARKS EACH)	TOTAL NUMBER OF QUESTIONS
1	Geographic Information System	1	1	1	1	4
2	Global Positioning System	2	2	1	-	5
3	Trends in Geospatial Technology	2	2	1	1	6
4	Application of Geospatial Technology	2	-	1	1	4
TOTAL QUESTIONS		**07**	**05**	**04**	**03**	**19**
NO. OF QUESTIONS TO BE ANSWERED		**05**	**03**	**02**	**02**	**11**
TOTAL		**5 x 1= 05**	**3 x 2 = 06**	**2 x 3 = 06**	**2 x 4 = 08**	**20**
TOTAL MARKS		**20+5 = 25 MARKS**				

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GEOSPATIAL TECHNOLOGY (SUBJECT CODE-818)

CLASS XII (SESSION 2021-2022)
SAMPLE QUESTION PAPER FOR TERM - II

Max. Time Allowed: 1 ½ Hours (90 min)   **Max. Marks: 30**

General Instructions:

1. Please read the instructions carefully

2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.

3. Section A is of 05 marks and has 06 questions on Employability Skills.

    a) Questions numbers 1 to 4 are one mark questions. Attempt any three questions.

    b) Questions numbers 05 and 06 are two marks questions. Attempt any one question.

4. Section B is of 17 marks and has 16 questions on Subject specific Skills.

    a) Questions numbers 7 to 13 are one mark questions. Attempt any five questions.

    b) Questions numbers 14 to 18 are two marks questions. Attempt any three questions.

5. Section C is of 08 marks and has 03 competency-based questions.

    a) Questions numbers 19 to 21 are four marks questions. Attempt any two questions.

6. Do as per the instructions given in the respective sections.

7. Marks allotted are mentioned against each section/question.

SECTION A   (3 + 2 = 5 marks)

Answer any 03 questions out of the given 04 questions		1 x 3 = 3
Q.1	What is Entrepreneurship development?	1
Q.2	List any two qualities that motivate an entrepreneur.	1/2x2=1
Q.3	Name an International organization which works prominently in the field of environment protection.	1
Q.4	Mention any two benefits of Green jobs.	1/2x2=1
Answer any 01 question out of the given 02 questions		1 x 2 = 2
Q.5	What is Time management? Explain.	2
Q.6	Explain any two methods of minimizing waste and pollution.	1 x 2 = 2

SECTION B   (5 + 6 + 6 = 17 marks)

Answer any 05 questions out of the given 07 questions		1 x 5 = 5
Q.7	Name the procedure used to transform 3D platform to a 2D platform.	1
Q.8	What is Dead reckoning?	1
Q.9	Suresh is planning to go on a tracking trip with two of his college friends. Along with base maps and other utility items, which type of GPS receiver would you like to suggest him for his trip?	1
Q.10	What is Digital Photogrammetry?	1
Q.11	Name any two trends in latest development in GPS.	½+1/2=1
Q.12	What is watershed management?	1
Q.13	Which techniques is used in Disease mapping in Jalore?	1
Answer any 03 questions out of the given 05 questions		**2 x 3 = 6**
Q.14	What is a Datum? Name the datum used in Indian maps.	1+1=2
Q.15	How GPS helps in locating vehicles like Ambulance? Explain	2
Q.16	Mention any two characteristics of Survey grade GPS.	1x2=2
Q.17	What is LBS? Explain.	1+1=2
Q.18	Mention any two characteristics of MSS.	1x2=2
Answer any 02 questions out of the given 04 questions		**3 x 2 = 6**
Q.19	Why projected coordinate system is preferred over Geographic coordinate system? Explain.	1x3=3
Q.20	Which navigation system is developed by European Union? Explain the important features.	1+2=3
Q.21	How mobile GIS have made things easier? Explain.	1x3=3
Q.22	What is Hazard mapping? Explain the inputs and process of hazard mapping.	1+2=3

SECTION C   (2 x 4 = 8 marks)
(COMPETENCY BASED QUESTIONS)

Answer any 02 questions out of the given 03 questions		
Q.23	GIS software has many advantages in compare with ordinary software. Explain any four areas with examples.	1x4=4
Q.24	What is Web GIS? Compare the advantages and disadvantages	1+3=4
Q.25	Geospatial Technology is very useful for Urban development authorities. Explain the areas where this technology is being used for effective working of local authorities.	1x4=4