

DJSM-G-GKNE**Indian Forest Services (Main)
Examination-2025****GENERAL KNOWLEDGE**

Time Allowed : Three Hours

Maximum Marks : 300

QUESTION PAPER SPECIFIC INSTRUCTIONS**Please read each of the following instructions carefully
before attempting questions****All** the questions are to be attempted.

The number of marks carried by a question/part is indicated against it.

Any page or portion of the page left blank in the Question-cum-Answer Booklet must be clearly struck off.

Word limit in questions should be adhered to.

Answers must be written in ENGLISH only.

1. (a) Discuss the contribution of Vedic philosophy in promotion of sustainable forest management. (Answer in 200 words) 15
- (b) Bring out the political significance of the first three decades of 16th century. (Answer in 200 words) 15
- (c) What were the basic features of the Gandhara school of art? (Answer in 125 words) 10
- (d) Assess the role played by revolutionary nationalists in India's struggle for freedom. (Answer in 125 words) 10
2. (a) Critically examine the Centre-State-Local financial relations as prescribed in the Indian Constitution. Given the experience of the last 75 years, what changes are necessary to improve the situation? Also suggest some measures for consideration of the 16th Finance Commission. (Answer in 200 words) 15
- (b) What are the important changes brought out in the Indian banking system in the recent years? How will it cater to the needs of a digitalized monetary system? (Answer in 200 words) 15
- (c) "The impact of agriculture insurance schemes on saving the farmers from the vagaries of nature is marginal." Comment on the statement and suggest how the income of the farmers can be stabilized. (Answer in 125 words) 10
- (d) What is commercial forestry? Examine the possibility of this without compromising the sustainable requirement of forest management. (Answer in 125 words) 10
3. (a) How is President's rule imposed in a State in India? How have different Governors dealt with dissolving Legislative Assemblies after President's rule has been invoked? (Answer in 200 words) 15

- (b) What is the process of granting assent to the Bills by a Governor of State? Can the Governor exercise a 'pocket veto'? What are the potential implications of the 'pocket veto'? Answer in the light of recent judgement of the Supreme Court of India.
(Answer in 200 words) 15
- (c) Discuss the scope of Article 21 of the Indian Constitution. Has 'due process of law' been incorporated under Article 21 of the Indian Constitution?
(Answer in 125 words) 10
- (d) "The philosophy behind the system of reservation in India is evolving." Analyze.
(Answer in 125 words) 10
4. (a) The phenomenon of urban heat island results in increased energy consumption. The development of green infrastructure is a sustainable mitigation measure. Do you agree? Provide justification.
(Answer in 200 words) 15
- (b) Describe briefly the key differences between the Himalayan and Peninsular river systems in India. What could be the key consequences of interlinking of rivers in India?
(Answer in 200 words) 15
- (c) What do you understand by the terms 'Blue Revolution' and 'White Revolution' in the context of agricultural development? Do the Blue Revolution and the White Revolution have the capacity to transform rural livelihoods in India?
(Answer in 125 words) 10
- (d) "The causes of flash floods are both natural and human-made." Comment on the statement in the context of the flash floods in Dharali, Uttarkashi in August 2025.
(Answer in 125 words) 10
5. (a) What types of recent trends are being observed in agriculture technologies in India for better crop production and farming? Discuss.
(Answer in 200 words) 15
- (b) "Forests are wealth of any country." Justify the statement.
(Answer in 200 words) 15

- (c) Discuss the various biotechnological applications for better energy management and minimization of pollution.

(Answer in 125 words) 10

- (d) In last few decades, the temperature of the earth is increasing. What are the reasons? Explain.

(Answer in 125 words) 10

6. (a) "Quantum mechanics to quantum technologies is a quantum leap."

Illustrate the above with reference to the following :

- (i) Classical mechanics versus Quantum mechanics
- (ii) Classical bit versus Quantum bit (Qubit)
- (iii) Supercomputer versus Quantum computer

(Answer in 200 words) 15

- (b) Justify the need and importance of electrical energy storage system. Explain the principles involved for the following storage systems :

- (i) Hydroelectric energy storage
- (ii) Electrochemical energy storage

(Answer in 200 words) 15

- (c) Nanotechnology : "There is a Plenty of Room at the Bottom : Feynman."

Justify the above proposition in the following :

- (i) Top-down and Bottom-up approaches for nanostructure fabrication
- (ii) Surface to volume ratio to achieve nano properties

(Answer in 125 words) 10

- (d) Science is fighting with myth, superstition and legends. Discuss with reference to the following :

- (i) Myths and legends related to eclipses
- (ii) Treatment of illness superstitiously

(Answer in 125 words) 10

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