GS-Paper-II (Test-1)

Time allowed: 3hrs **Maximum Marks: 300**

1. Answer any two of the following in about **250** words each

20×2=40

a) Discuss the factors which influenced Indian foreign policy

b) "Principles and objectives of India's foreign policy evolved not after independence but even before …." – Elucidate

c) Explain the present status of investment by foreigner in the Mutual Fund sector .

2. Answer any three of the following in about **150** words:

12×3=36

a) Why the Union Government raised the investment limit in Government Securities and Corporate bonds

b) Current Situtation in Carbon Sequestration

c) Main Types of Nuclear Reactors

d) Nuclear Agricultue

3. Answer any one of the following in about **250** words:

20

a) Critically examine the foreign policy of India over the years since Independence to recent years.

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b) List out the Institutional Structure for science and Technology in India

4. Answer any four of the following in about **150** words each

12×4=48

a) Write the Chaturvedi committee recommendation of go and non-go system for Coal mining

b) Usha Thorat Committee guidelines on NBFC

c) Reactor Safety Systems

d) Pressurized Heavy Water Reactor

e) Examine the changes made in the Pension Fund Regulatory and Development Authority Bill by the Cabinet

5. Comment any thirteen of the following in about **50** words each

13×5=65

a) Wind Energy Potential in India

b) Major Areas of application of Solar Photovoltaic (SPV) in India.

c) objectives of Bureau of Energy Efficiency

d) objectives of Energy Audit

e) Atomic Vapour Laser Isotope Separation and Molecular Laser Isotope Separation

f) Gamma radiography and Gamma sterilization

g) Targeted Alpha Therapy

h) Industrial Applications of Radioisotopes

i) Magnetic Confinement

j) Inertial Confinement

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k) Components of Nuclear Reactor

l) Energy from Wastes

m) Techniques involved in Hydrogen Energy Programme

6. Comment on the following not more than **50** words each

5×5=25

a) First Gold Index in India

b) Hydrogen Economy

c) What do you know about EBITDA

d) Special Bonus Benefit Scheme

e) Merger and Joint Venture

7. Why have each of the following been in the news recently (or Write about the below)? (Each answer in a sentence or two only)

2×10=20

a) Fund managers in Pension Fund

b) Qualified Foreign Investor

c) Unit confirmation Receipt system

d) Project Portfolio Management

e) Foreign Direct Investment

f) Ocean Thermal Energy and Geothermal Energy.

g) Three Mile Island

h) Americium-241

i) Aditya

j) Cadarache

8. Why have each of the following been in the news recently (or Write about the below)?

(Each answer in a sentence or two only)

2×5=10

a) Nirtya Bandhu

b) NEEPCO

c) CANDU

d) Cold Fusion

e) BARC

(Statistics question will be asked from Test-2 onwards.

Ref: 2011 UPSC – Main –GS-II Question)