C–6295	Sub. Code
	82448

B.Voc. DEGREE EXAMINATION, APRIL 2022

Fourth Semester

Quality Assurance and Inspection Methods

FOUNDRY TECHNOLOGY

(2019 onwards)

Duration : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer **all** the questions.

1. Define Visual inspection

2. List out the few Inspection procedure

3. Point out the Quality circle

4. What is Total Quality Management?

5. State the advantage of Pyrometer

6. What is Radiation Pyrometer?

7. List out the different sand control tests

8. Point out the benefits of hot strength test

9. Define- Shop floor quality

10. What is Fluidity?

Part B (5 × 5 = 25)

Answer **all** questions.

11. (a) Briefly explain about Pressure testing.

Or

(b) Give a short note on Chemical analysis.

12. (a) Describe about Sampling inspection.

Or

(b) Differentiate between normal distribution and desirability distribution.

13. (a) Briefly explain about Principles of Different test.

Or

(b) Give a short note on Infra red thermograph.

14. (a) Describe about Defect in casting.

Or

(b) Point out the defects occurring during fettling.

15. (a) Briefly explain about Casting Modification.

Or

(b) Write a short note on Friction stir processing.

Part C (3 × 10 = 30)

Answer **all** questions.

16. (a) Explain in detail about different types of inspection and it is procedure.

Or

(b) Describe about usage of computers in quality assurance

17. (a) Enumerate the classification of various test.

Or

(b) Narrate about improper mold drying and core baking.

18. (a) Explain in detail about Statistical parameters for quality assurance.

Or

(b) Describe about defects caused molten metal

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C–5664	Sub. Code
	16/17/23/25/ 26/27/29

Common for All U.G. B.Sc./B.B.A. DEGREE EXAMINATION, APRIL 2022

First/Second Semester

ENVIRONMENTAL STUDIES

(2019/2020 onwards)

Duration : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer **all** the questions.

1. ZSI.

2. WII.

3. What is renewable energy?

4. Food web.

5. Pyramid of numbers in aquatic ecosystem.

6. Red data book.

7. List out any five Endemic species of India.

8. List out marine pollutants.

9. *Ex Situ* Conservation.

10. Enlist Option Values of Biodiversity.

Part B (5 × 5 = 25)

Answer **all** the questions.

11. (a) Write notes on definition, scope and importance of environmental studies.

Or

(b) Write notes on soil erosion and desertification.

12. (a) Write notes on energy flow in the ecosystem.

Or

(b) Write notes on threads to biodiversity.

13. (a) Write notes on Biodiversity at Global, National and Local levels.

Or

(b) Write notes on various strategies of conservation of Biodiversity.

14. (a) Write notes on ecological pyramids.

Or

(b) Write notes on air pollution.

15. (a) Write notes on noise pollution.

Or

(b) Write notes on effects and control measures of nuclear hazards.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write an essay on the multidisciplinary nature of Environmental Studies.

Or

(b) Write an essay on the following resources with special emphasis to how they are overexploited/utilized which in turn damage the environment, (i) Forest Resources and (ii) Food Resources.

17. (a) Write an essay on "India is a mega-diversity nation".

Or

(b) Write an essay on Biodiversity and their values.

18. (a) Write an essay on causes, effects and control measures of (i) Marine Pollution and (ii) Water Pollution.

Or

(b) Write an essay on concept, structure and function of ecosystem.

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