

University of Nigeria, Nsukka
Department of Educational Foundations
First Semester Examinations

EDU 101, Introduction to Education. 2023/2024 Session

Attempt 4 questions

Time: 2 hrs 30 minutes

1. What should be done in order for the new teacher to be retained in service.
2. a) All faculties of education are guided by a curricular compendium specifying such courses/Programmes as: G & C/Education, Maths/Edu, Music/Edu, Physics/Edu, Interscience/Edu and the likes. What really is inherent in these Programme ramifications that inform(ed) their incorporation and provision in the curricular package?
b) Under what branch of philosophy is your answer in 'a' above studied?
c) Define/Describe that branch of philosophy.
d) What are the two major sub-branches of your answer in 'b' above?
e) Of 'human act' and the 'act of man', which is the true subject of focus in your answer in 'b' above?
3. a) Define the concepts "Socialization and Social Deviance"
b) Enumerate and briefly explain five (5) types of socialization
4. a) The present situation of the country exposes her citizens to a lot of economic and social challenges.
i) List five (5) of these challenges
ii) Explain any two (2)
iii) Proffer solutions.
b) List and explain any two (2) of the disadvantages of behaviourism.
c) Outline five (5) influences of Psychology on the practical aspect of education.
- 5) In 1969, Nigeria was involved in a bitter civil war. Enumerate some of the key education challenges created as a result of that development.

UNIVERSITY OF NIGERIA, NSUKKA
DEPARTMENT OF EDUCATIONAL FOUNDATIONS
FIRST SEMESTER EXAMINATION, 2021/2022 SESSION
ED: 101, INTRODUCTION TO EDUCATION
ATTEMPT FOUR QUESTIONS
TIME: 1 1/2 HRS.

1. Compare the attitude of Nigerian people to teachers during the colonial period and their attitude during this present time bearing in mind the virtues/qualities teachers possessed during the colonial period and this present time.
2. Supply short answers to the following
In Chinua Achebe's 'Things Fall Apart' while Okonkwo and other Umuofia Chieftains were in a meeting, a court messenger suddenly appeared. Facing them, he said "whose power you know so much has ordered this meeting to a close" the white man.
- (A). What fallacy is evident on the underlined statement above?
- (B). Under what branch of philosophy is the fallacy studied?
- (C). Define the word or phrase of your answer in 'b' above
- (D). In any of our undertakings, it is a truism that value drives our behaviour. Under what branch of philosophy is value studied?
- (E). Supply two sub branches of the word/term standing for your answer in 'd' above.
- (F). Define the term serving as your answer to 'd' above.
- 3a Define the term 'Language'
- 3b Enumerate and briefly discuss six (6) Characteristics of Language
- 4 The environment has an important role in the forming individual's identity and behaviour.
- (A). Identify any four (4) of these environments
- (B). Explain the roles they play in student's overall development.
- 5 what were the key objectives that informed the establishment of the 1969 curriculum conference

University of Nigeria, Nsukka

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First Semester Examination 2022/2023 Session

Ed.101, Introduction to Education

ATTEMPT FOUR QUESTIONS

TIME : 2 1/2 HRS.

1. Isocrates believes that it is not the number of paper qualifications that can make one an educated person. What qualities or virtue one can possess to be addressed as one?

2 Read the passage below and answer the questions that follow:

In spite of the scorching sun and heat yesterday, Paschaline, Pamela and Eteng Success set out for the Ogige market. While Paschaline had in mind buying Dennis bread, Pamela sought to buy a mathematical set and Eteng Success a sweater to cover himself from the hilly Nsukka cold weather. Sighting and observing their sweating, Donald tried to dissuade them because of the dehydrating weather situation, saying moreover that it was not an emergency need. But their minds were set on Ogige market.

- a. What is it that the ~~two~~ perceived in the objects of quest, making them to resist all suggestion to tarry a while?
- b. Under what branch of philosophy is your answer to 'a' above studied?
- c. Give two major sub-branches of the term/Concept of your answer in 'b' above.
- d. Define the term/Concept that serves as your answer in 'b'.
- e. Under which of the sub-branches of yours answer in 'c' above is the 'human act' a subject of focus?
- f. What is an 'act of man'?
- g. Of 'human act' and the act of man' which is the true object of sustained focus of your answer in 'f' above?

3a Define the concepts "Society", Culture, and Language'.

b. Enumerate four (4) characteristics of culture.

(c) Briefly discuss five (5) functions of Language in the society.

4. Identify critical social issues that directly influence the students' academic success in the classroom.

b. Briefly explain the goals and beliefs that Maria Montessori held with regards to the education of children.

5 The need to enable education play significance roles in the development of Nigeria led to the adoption of the National Policy on Education in 1977 State the key areas of relevance of this policy document.

FACULTY OF EDUCATION

DEPARTMENT OF EDUCATIONAL FOUNDATIONS

2020/2021 ACADEMIC SESSION (1ST SEMESTER EXAMINATIONS)

EDU 101 (INTRODUCTION TO EDUCATION)

Attempt any four Questions

Time allowed: 1 1/2 hours

1. In the conception of Isocrates, an educated man should possess certain qualities. Outline and explain such qualities?
- ② A. There are quite many combinations and options available for prospecting teachers in all faculties of education across the nation: English/Education, Chemistry/Education, Religion/Education, History/Education, and the likes. Policy makers accommodated all these in the curriculum because of their value. Under what branch of Philosophy is the underlined studied?

B. Even our effort and resolve to adjudicate on the rightness and/or wrongness of the human conduct is an issue of focus under the same branch of Philosophy as in 'A' above: True or False?

~~C. Define the core term of your answer in 'A' above?~~

D. Distinguish between the 'human act' and an 'act of man'?

E. Under what sub-branch of what branch of Philosophy is your answer in 'D' above studied?
- ③ Enumerate five (5) attributes of culture and five (5) characteristics of society?
- ④ List and explain four major social/educational agencies that help in shaping human behaviours, stressing on how?
- ⑤ The recommendations of the National Policy on Education (1977) contributed immensely to the development of Nigeria's educational establishments. Discuss any 5 major areas of impact?

ASSIGNMENTS

1. Which of Newton's laws best explains how a magician can pull a tablecloth from underneath dishes?
2. Newton's law is also known as what?
3. What is machine
4. Give two differences between M.A and V.R
5. The magnitude of instantaneous velocity gives what?
6. To attain maximum range, angle of projection must be what?
7. A car is at $x_1 = 15$ m at $t_1 = 5$ s and later seen at $x_2 = 20$ m at $t_2 = 10$ s. Find the average velocity of the car.
8. A machine is a force multiplier when the load is greater than the effort (T OR F) Energy must be conserved in a machine when frictional effects are taken into account, the energy output of a machine is less than the work input into the machine (T OR F)
9. For a machine which multiplies force, the distance moved by the effort is always greater than the distance moved by the load (T OR F)
10. The mechanical advantage of a machine may be less than, equal to or greater than the velocity ratio (T OR F)
11. In a frictionless machine, the useful work done by the machine is equal to the total work input into the machine (T OR F)
12. As the friction increases in a machine, the mechanical advantage decreases (T OR F) As the friction increases in a machine, the velocity ratio decreases (T OR F)
13. As the friction increases in a machine, the work input into the machine for a given load increases (T OR F)
14. Which of the following forces act (s) on a piece of wood which is floating on water. I. Weight II. Viscosity III. Upthrust. I only, I and II only, I and III only, I, II and III only
15. The velocity ratio of a plane inclined at an angle θ to the horizontal can be expressed as:
16. A plane which is inclined at an angle of 30° to the horizontal has a velocity ratio of
17. A machine with efficiency of 75% is used to raise a load of 50 kg through a vertical distance of 6m. What is the work done in the machine?
18. A machine with V.R of 4 requires a weight of 20kg to overcome a weight of 60kg. What is the efficiency of the machine?
19. A wheel and axle is used to raise a weight of 720N with an effort of 200N. If the radii of the wheel and axle are 40 cm and 10 cm respectively. What is the efficiency of the machine?
20. A screw jack has a pitch of 0.5 cm and a tommy bar of length 20 cm. what is the V.R of the machine.
21. Which of the following statement is correct about power. The ability to do work, the rate of doing work, the product of force and distance, capacity to exert a force, product of force and velocity
22. A body is released from a certain height falls freely under gravity, its potential energy decreases (T OR F)
23. A body is released from a certain height falls freely under gravity, its kinetic energy increases (T OR F)
24. An automobile travelling with a speed of 60 km/h. can brake to stop within a distance of 20 m. If the car is going twice as fast, i.e., 120 km/h, the stopping distance will be what?
25. A ball is released from the top of a tower of height h metre. It takes T second to reach the ground. What is the position of the ball in $T/3$ second?
26. If a body loses half of its velocity on penetrating 3 cm in a wooden block, then how much will it penetrate more before coming to rest?
27. All these have the same meaning except. Acceleration, deceleration, retardation, negative acceleration
28. A stone is attached to the end of a string with no elasticity, the stone is then whirled round in a circular path of radius 30 cm. if the stone makes 9 complete revolutions in 3(s), find the angular and linear velocity.

29. If the uniform mass of the Earth is 6.0×10^{24} kg and its radius is 6400 km, calculate the spin angular momentum of the Earth in 24hrs.
30. An 80 kg painter climbs 85% of the way up a uniform ladder of 25 kg before it starts to slip backwards along the ground. What is the coefficient of static friction between the ground and ladder?
31. A car of mass 1500 kg travelling accelerates from rest to a speed of 20 m/s in 6.0 secs. What is the average power produced by the moving car.
32. What are the rotational equivalents for the physical quantities (i) mass and (ii) force? Rotational mass and Torque, weight and angular force, Gravitation and Rotational force, Moment of inertia and Torque
33. Which of the following conditions can produce a zero Torque during equilibrium? When the mass of the rigid body is zero, When the forces acts at a reference point where the radius is zero, When the reaction force and applied force are parallel, When the angle between the reaction and frictional force is greater than 180°
34. A string wound round the rim of a uniform disk of mass 3 kg and radius 25 cm with moment of inertia $9.4 \times 10^{-2} \text{ kgm}^2$ about the axis is pivoted to rotate without friction. If the string pulled a force of 10 N, what is the applied torque?
35. A 15 kg mass suspended from a ceiling is pulled aside with a horizontal force F, calculate the value of the tension force T on the string. (take $g=10\text{m/s}^2$).
36. The following is TRUE about locations of center of gravity EXCEPT? It is located at the point of intersection of the diagonals, it is located at a point where the resultant torque due to gravitation force is not zero, it is located just below the navel in humans, it is located at the center of any uniform body.
37. Calculate the kinetic energy of a uniform disk of mass 0.5kg and radius 10 cm rotating with velocity of 25.3 rad/s.
38. Which one of the following physical significance of moment of inertia is TRUE
It is independent on angular velocity and axis of rotation of the body, It does not depend on the mass of the body, It measures the difficulty in the rotation of a particular body about an axis, It is unaffected by the distribution of Mass in the body
39. Kepler's area law is based upon what?.
40. Given that $A = 7i-3j+2k$. Find the magnitude of this vector
41. Consider the following vectors: $A = 7i-3j+2k$, $B = 4i+5j-3k$, $C = -3i-2j$, $D = i+3j+3k$, $E = -3i-2j+7k$, $F = -i+7j$. What is the length of A?
42. What is the unit vector in the direction of B above?
43. Find the area of the parallelogram whose adjacent sides are the vectors C and F above?
44. What is the z component of the vector $D \times E$ above?
45. What is the angle between vectors A and D above?
46. A satellite orbits the earth a distance of $1.5 \times 10^7\text{m}$ above the planet's surface and takes 8.65 hours for each revolution about the earth. If the earth's radius is $6.38 \times 10^6\text{m}$, what is the centripetal acceleration of this satellite?
47. An object rotates at the rate of 40 radian per second at the radius of 2m. Calculate the centripetal acceleration of the object.
48. All these statements are correct EXCEPT. The specific gravity of water is 1gcm^{-3} , relative density (R.D) of a substance is the ratio of the density of the substance to the density of water, All metals and most solids have (R.D) greater than 1, (R. D) has the unit of kgms^{-3}